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Tuesday, February 12, 1985

Dean McBay approves Berman replacement

By Donald Yee

Lynn Roberson has been named staff associate for women's interests in the Student Assistance Services section of the Office of the Dean for Student Affairs, according to an announcement by Dean for Student Affairs Shirley M. McBay.

Roberson, the senior secretary for the Science, Technology, and Society program (STS), will succeed Sara Mae Berman effective Feb. 13. Berman resigned Nov. 23, 1984, to enter the publishing business with her husband.

"I think the students will like her," McBay said. "She plans to go out and meet with student groups."

McBay anticipates that Roberson will continue publishing *The Cheney Room Papers*. The students "indicate a need for it," McBay said.

Roberson's responsibilities should include "providing support to activities, organizations

and programs on behalf of women students," according to the job description published in the Nov. 7, 1984 issue of *Tech Talk*.

She would also attend student meetings and review material for bulletin boards and kiosks reserved for women's interests.

"The decision was definitely reasonable," said Bonny Schwenke '86, president of the Association for Women Students (AWS) and a member of the search committee. "I think that all the candidates were good."

"I thought it was a good choice," agreed Denise Denton G, another member of the search committee. "The position is very important. I think that the women's community at MIT is still so fragmented that it needs a centralized figure to organize things."

"I know there are people who feel negatively about the existence of this position," Denton

said, but she emphasized its necessity. "Anything that improves the situation for women students also improves the situation for men students," she explained. "It becomes a more friendly environment. I think that the women here have something to contribute, and it helps everybody."

Schwenke was pleased that McBay filled the position. "As president of AWS, I did not have anyone to go to with questions," although people in the Dean's Office tried to help.

Roberson received her Bachelor's degree from Tufts University in 1974. She has been at MIT since 1978, when she worked as assistant editor for the MIT Press.

Her duties as a secretary in the STS program included organizing staff meetings and student groups. In addition, she has helped edit a book written by a faculty member prior to publication.

Roberson plans to continue work toward a Master's degree in Counseling Psychology at Lesley College.



Tech file photo

A recent Massachusetts regulation prohibits games or contests which involve drinking or the awarding of prizes for drinking. The ODSA has not yet come to a decision regarding the continuation of the Tank drinking competition.

Women's R/O good

By Harold A. Stern

(Third in a series on issues concerning MIT women.)

Rush week for women, although imperfect, is "overall a good thing," according to Mary K. Bayalis '86, women's Residence/Orientation coordinator.

The problem is that for the most part during rush week, "the men [in the fraternities] are focusing on meeting freshmen who can fit in," said Andrew M. Eisenmann '75, staff assistant for campus activities. As a result, "there are a lot more options for men than women."

Bayalis agreed, saying that she "was aware of the situation and understood that the fraternities are interested in meeting guys."

She explained, "The women who are more outgoing, more socially comfortable, go to the fraternity parties. We need something there for the others."

In addition, Eisenmann said, there have been individual cases where women who have gone to these parties have been harassed.

Bayalis added that in the past, there has been a problem concerning women being refused transportation across the river. She cited an incident where eight women at a fraternity party were told that they would not be given a ride back to their dormitories, that they should "go elsewhere."

"An announcement has been made at the InterFraternity Conference (IFC) about this," Bayalis said. As a result, "the fraternities are a lot more aware." No complaints were filed this past year, she added.

"Women should not be told that they are not welcome," Eisenmann said. "Over a number of years, we have worked with the IFC, the Dean's office, and women's groups. We are hoping that as the issue gets raised, people will become more sensitive."

Events to which women were "cordially invited" were indicated by an asterisk in the Daily Confusion. In previous years there were very few parties open to women. This year, though, there were many more, Bayalis said.

Bayalis characterized women's rush activities as a "feeble attempt to make up for the imbal-

ance in the number of independent living groups women are eligible to live at." At least for those who attend the events, it does serve its purpose, she said.

Women's R/O begins at the orientation sessions held before the freshman picnic. "We are letting women students who have gone through rush make suggestions," Bayalis said. At these sessions, they try to make women aware of the options available, and to address the issues. "This has been successful to some extent," she added.

Bayalis said that rush activities which were funded and run by MIT for freshmen included a brunch and an ice cream gathering in the Margaret S. Cheney room. At these events, representatives from women's living groups led discussions.

"This is not the best alternative," Bayalis said. Women's R/O activities "have been branded as 'a bunch of girls hanging out.'"

The purpose of these activities is two-fold, Bayalis said. They provide an atmosphere for freshmen women to meet each other and talk to each other. Also, they give the participants the opportunity to discover the resources available for them, such as the Dean's Office and the Cheney room, Bayalis continued.

The only way to create a better rush for women, Eisenmann said, would be to increase the number of living group options for women, "with more single-sex areas as well as co-ed."

The Dean's Office is focusing its efforts on finding a house for Alpha Phi, he said. "We are trying to give women more options, and to make more women aware of these options," he continued.

Bayalis agreed that rush needs more living group opportunities for women. "There will not be a good R/O system until [MIT has] a number of sororities. We must create more options for women in living," she emphasized.

Although rush is not perfect, Bayalis emphasized that it "should be a positive experience for everyone. The fact that women are left out of a major part is important enough to warrant women's R/O."

State law forbids free liquor

By Craig Jungwirth

Recent Massachusetts legislation restricts liquor licensees from serving free drinks to any person or group of persons, according to the Code of Massachusetts Regulations (Chapter 204, Section 4.00).

It is unclear whether the regulations would apply to MIT living groups that secure liquor licenses for parties.

"These regulations apply to all licenses issued," said John Douglas Cummings, counsel to the Massachusetts Alcoholic Beverages Control Commission (ABCC).

The regulations on serving and

Several IAP activities challenge participants

Feature

By Charles R. Jankowski

For most students, Independent Activities Period is a time to unwind after surviving four months of term work. But for others, it is a time to match their intellect and ingenuity with those of others, by taking part in one of many competitions.

The Integration Bee tested mastery of 18.01. The Mystery Hunt sent students searching all over campus for a hidden artifact. The Othello competition matched computer program against computer program, in a quest for the supreme electronic Othello player.

Integration Bee

Peter Gordon '88 was the winner in the Integration Bee, which was sponsored by Arun Ram '87, winner of last year's contest. Robert Atkins '87 and Seth Brown '88 took second and third respectively.

The first round of the contest began Jan. 17, when approximately 40 students took an hour long test of 35 integrals. "The test was a lot harder than I

thought it would be," said Ram, who helped select the finalists for the second round.

The second and final round of competition occurred on Jan. 22. The 10 finalists read integrals off an overhead projector, and were given two and a half minutes to do each calculation.

Any student who integrated incorrectly was eliminated, while success kept alive hopes of being named MIT's premier integrator. "Most people would finish in around a minute or a minute and a half," said Ram, who went on to note that "most people who took the full two and a half minutes got the integral wrong."

Other finalists in the contest were Scott I. Berkenblit '86, who tied for third last year with Atkins, Charles H. Conley '85, Jens Karlsson '88, Steven A. Leduc '86, Daniel F. Morgan '85, Lenny Sheet '88, and David J. Zagorski '86. The field of finalists included four freshmen, two of whom took first and third, and six math majors.

In search of...

Another IAP contest, the Mystery Hunt, sent MIT students to

(Please turn to page 2)

drinks to one person at one time;

- delivering malt beverages or mixed drinks by the pitcher to two or more persons at any one time except for serving wine in bottles or carafes with meals to more than one person;
- changing prices of drinks at commercial establishments within one-week periods.

Procedures for MIT Events with Alcohol, a set of guidelines published by the Office of the Dean for Student Affairs (ODSA), specified that "a one day Massachusetts Liquor License [is] required . . . for large open events (i.e., in excess of 100 students) . . . as determined by the ODSA."

The City of Cambridge Liquor License Commission issued two liquor licenses to the MacGregor House Commission for Feb. 8 and 9.

MacGregor House served free drinks to students at a dormitory party that attracted over 100 people last weekend.

It appears that under the ABCC regulations, this practice is illegal for holders of Massachusetts Liquor Licenses.

But complete distribution of the regulations did not occur until after the party. Dean for Student Affairs Shirley M. McBay distributed copies of regulations Feb. 6 issued by the ABCC.

The ODSA alcohol guidelines also state that "Dean's Office notification/approval [is] necessary . . . for dormitory events where alcohol is dispensed and/or consumed [during] entire House events or events of more than 100 residents [or] events open to [the] MIT community . . ."

"There was thought that there might be some problems," said Mark Neumann '86, MacGregor social chairman. He and Michael A. Stracher '84, MacGregor secretary, met with Chief of Campus Police James Olivieri and Assistant Dean for Student Affairs Peter H. Brown "to check on the

(Please turn to page 2)

Impact of alcohol laws on campus is unclear

(Continued from page 1)

possibility of problems," Neumann said.

Stracher said "we worked with the Campus Police and Dean's Office and everything came off well."

The party "was one of the most orderly" on campus, Olivieri said.

"It will be awhile before full distribution and understanding [of the new regulations] is arrived at," he said. Implementation of the regulations will "probably fold in on the basis of how many requests come through" the Campus Police, he added.

The Dean's Office circulated these regulations and the *Reference Guide to Massachusetts Alcohol and Drug Laws*, prepared by the Institute's attorneys.

The material's purpose is to continue "discussions regarding appropriate educational activities designed to insure the creation and/or maintenance of a climate in which responsible drinking habits are encouraged," according to the cover memorandum included with the information.

Building 7 locker hides Mystery Hunt trophy

(Continued from page 1)

all corners of the campus in search of a coin, secretly placed somewhere within the Institute.

"We started out with about 80 contestants, but that whittled down to about 40 or 50," according to James L. Petivan '86, who co-sponsored the contest along with Dhanesh K. Samarasan '86. The contestants were given daily clue sheets to help them find the hidden target.

The hunt began Jan. 21, and lasted until the coin was found at approximately 9 am Jan. 23, in a locker in a fourth floor hall in Building 7. No prize was given, but "the winner got to keep the lock on the locker," Petivan said.

Artificial Intelligence?

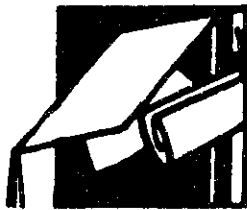
Thomas S. Wanuga G won IAP's fifth annual computer Othello tournament with his Pascal program designed to beat other software masters.

Wanuga's program was one of seven that competed in the tournament. Second place went to "Flipper," a program written by Andrew E. Gelman '85 and Mark T. Vandevoorde '86, co-sponsors of the tournament. Gelman and Vandevoorde wrote their program in C on Project Athena.

According to Gelman, nine groups entered the contest at the beginning of IAP, and were given approximately three weeks to write their program. Two were not completed in time to take part in the tournament.

Project Athena machines were used, in addition to IBM Personal Computers and DEC-20 machines operated by the Department of Electrical Engineering and Computer Science. Contestants also used LISP, BASIC, and FORTRAN.

In the tournament, competing programs were run on adjacent terminals. As the winner, Wanuga won a fifty dollar prize and a plaque, signifying his programming expertise.



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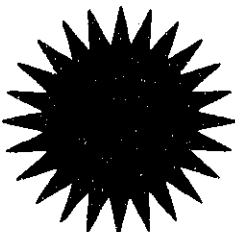
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With Flight													
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With Flight	239	239	239	239	239	239	239	239	239				
Sheraton Yankee Trader	109	109	109	109	109	109	109	109	109				
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news roundup

World

US protests South Korea's treatment of dissident — The United States filed a formal protest over the "disgraceful exhibition of unnecessary force and brutality" South Korea displayed in confining Kim Dae Jung to virtual house arrest. Seoul police forcibly detained Kim upon his return after two years in exile.

Administration accuses USSR concerning Central America — An Administration white paper accused the Soviet Union of using Cuba to turn Central America into a satellite. The paper quotes USSR Foreign Minister Andrei A. Gromyko as saying the region is a "boiling cauldron" ripe for "revolutionary expansionism," and that Cuba and Nicaragua are "living examples for that part of the world."

The US resumes search for Mengele — The Justice Department announced that it will begin an investigation in order to locate Dr. Josef Mengele, the "Angel of Death" of the Auschwitz concentration camp in World War II. Mengele, who was accused of ordering the murders of over 400,000 Jews, was arrested and then released by US officials in 1947, according to documents recently released under the Freedom of Information Act.

Nation

Dole proposes sale of Conrail — Secretary of Transportation Elizabeth Dole is seeking Congressional approval of the sale of Conrail to the Norfolk Southern Corporation. Norfolk will pay a minimum of \$1.2 billion in cash for the government's 85 percent interest in Conrail.

State tax increases and decreases — A fiscal survey by the National Governor's Association reports that at least 17 states will likely increase taxes this year. Massachusetts and 13 other states, however, will reduce taxes. The survey called the Reagan administration's estimates of large state budget surpluses "absurd."

Boston Bank fined — The First National Bank of Boston pleaded guilty to not reporting \$1.2 billion in cash transfers with Swiss banks. The bank was fined \$500,000 for violating the 1980 Federal Currency reporting law.

Survey claims American colleges in disarray — A three-year study by the Association of American Colleges said that universities have allowed their curriculums to slip into a state of "incoherence." The report accused faculty of being more concerned with research than with teaching, and claimed that businesses are having difficulty locating literate graduates, because writing programs are neglected.

Sports

East meets West, and loses — The West was victorious for the first time in six years in the NBA's 35th All-Star Game. Ralph Sampson, the game's most valuable player, led the West to their 140-129 victory.

Weather

So much for sunshine — A mixture of snow, sleet, and freezing rain is expected for today and tomorrow, and there is a chance of snow Thursday. Temperatures for the week will range from lows in the mid 20s to highs in the 30s.

Mathews M. Cherian
Harold A. Stern

Police log

Student held up in broad daylight — An MIT student was robbed by a male assailant at 12:45 pm on Jan. 27, at the corner of Portland and Main St. The man asked the student for a dollar, and when the student took out his wallet, the assailant grabbed it, taking another \$30. He threatened to stab the student and ran into a nearby housing project.

Money and credit cards stolen during steam bath — A graduate student reported that \$65 and credit cards were stolen from his wallet while he was in a steam bath in Dupont. The wallet was in his pants which were hanging in the sauna room.

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opinion

Editorial

McBay must resign in students' interest

Shirley M. McBay came to MIT five years ago. Since then, the dean for student affairs has alienated most of the student body. Her office has continually acted to the detriment of students, their interests and their welfare. McBay must resign.

There are many capable members of the Dean's Office; their work, however, is overshadowed by McBay's incompetence. Her actions keep the ODSA from becoming the resource the students of MIT need and deserve.

McBay's handling of the pornography debate typifies her disregard for students whenever their goals conflict with her own. She did nothing last spring when the issue was foremost in people's minds. She then enacted a policy over the summer with little student input. Her policy gave her the right to appoint a screening committee which could limit the time or place of a disapproved film.

When the Lecture Series Committee announced its intent to show a sexually explicit film at the end of last term, McBay rewrote her policy to say a film has to be screened six weeks in advance, and then declared that the screening committee could not meet to review the film in time for any showing prior to March.

McBay chose not to enforce her policy, however, when it came to *Not a Love Story*, a sexually explicit film that fit her anti-pornography agenda. Students cannot trust or respect an administrator who selectively enforces her own policies to further her own goals.

Were McBay's handling of the pornography issue a lone instance of disregard, she could be excused. But she has assailed students, their groups and their needs for the past five years:

- October 1979: Vice President Constantine B. Simonides and Chancellor Paul E. Gray '54 reject the short list of names recommended by the Advisory Committee on the New Dean. The "qualifications of the final candidates did not match with the qualifications for the job," Simonides said. The advisory committee used much student input before making its recommendation.

- January 1980: After nearly 17 months, McBay is offered the post. She cites a need for coordination among the varied student services and a better definition of their relation to the Institute as a whole. Neither the students nor the advisory committee are consulted.

Sources within the Institute criticize Simonides for predetermining the new dean's job through his reorganization. They charge that the new dean would only be a baby-sitter for Simonides's agenda and would have little opportunity for independent action.

- April 1981: The Corporation Visiting Committee on Student Affairs announces it will hold hearings scheduled by McBay and committee chairman D. Reid Weedon '41. The only hearing open to students falls on a Friday night at the end of the term. Undergraduate Association President John De Rubeis '83 criticizes the "really poor planning on the part of the administration." A *Tech* editorial also criticizes the tentative decision and asks that the meeting be rescheduled. It is not.

- April-May 1981: The General Assembly votes to table the 1981-82 student activities budget because there is not enough money to apportion to the various groups. The budget, funded through the Dean's Office, amounts to \$77,900, \$100 less than the 1969-70 budget. When the GA asks for another \$10,000, McBay answers, "You have to come and meet with me to justify why you need \$10,000 more so I can make a case for it."

Former Finance Board Chairman Raj Tahil '81 says McBay "said to get a budget proposal in by the end of February, and in January we found out that the student activities budget had already been set completely without our input." McBay eventually grants an additional \$11,000.

- May 1981: Seniors who have worked closely with the ODSA rate its performance as uneven, and all express concern over a lack of communication between the office and the students. Former UA President Jon Hakala '81 says, "The Administration does not seem to be interested in meaningful participation in decisions that affect policy."

Jason Weller '82, vice chairman of the Finance Board, criticizes McBay for being isolated from the students. "What we have here is a dean of student affairs, rather than a dean for student affairs," he says.

- December 1981-January 1982: McBay announces an open tuition forum to get student input. She schedules the meeting for the Thursday before final examinations and later expresses disappointment at the low — fewer than 30 students — turnout, adding that the student input would have had "more impact if more students had attended."

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

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- April, 1982: McBay tries to justify cutting the student activities budget 20 percent over two years, claiming that the more wealthy student activities, such as SCC, LSC, and *The Tech* could help support the poorer ones. McBay said "It will be hard to make an argument for student activities when there are various rumors, supported in part by facts, that certain groups have large sums of money that could be, in some imaginative way, returned to the general student body."

LSC Chairman Jay Pattin '83 responded with a letter to *The Tech* saying, in part, "Coming from the Institute official most responsible for the well-being of student activities, this remark is inexcusable; the unwillingness of the dean for student affairs to argue against reduction in the funding of student activities because of 'rumors' that 'certain groups' have excess funds is an act deserving the contempt of the entire community."

- July 1982: In a further attempt to justify activity budget cuts, McBay requests five student organizations give reports to the Visiting Committee the following fall. Besides the three she had singled out earlier, the Finance Board and the InterFraternity Conference were added to the list. McBay specifically excluded all of the cultural groups, the competitive groups and the small activities, and is accused of making a one-sided selection that ignores student activities having trouble with membership and financing.

- August 1982: UA Finance Board Chairman Charles P. Brown '84, in a draft report prepared at the request of the ODSA in preparation for the Visiting Committee, charges McBay with inadequately funding student activities, negotiating with the organizations in bad faith, and attempting to undermine student control of the groups.

- November 1982: The Visiting Committee on Student Affairs hears criticism of the Dean's Office from student activity leaders. Judith L. Passman '83, chairman of the Association for Student Activities, says, "The Dean's Office has a limited perception of what is happening" in student activities. Other activities complain in the report:

Finance Board — Brown repeatedly states that the Dean's Office is trying to gain financial control over student activities.

LSC — Pattin writes, "In general, the atmosphere when meeting with staff is adversarial, and it should not be. We feel that the Dean's office's understanding of student activities is lacking, and we sincerely hope that the change in the organization within the ODSA will bring with it improved relationships."

Technology Community Association — "TCA is an organization with some serious troubles at this time. One might expect to get some support from the ODSA. Instead, they have thrown us even more troubles, further over-burdening our leadership and moving any solution to our other problems further down the road."

- November 1982: Nine months after the assistant dean for women students' affairs resigns, McBay finally names a replacement, but only as a one-year staff associate.

- April 1983: The Visiting Committee on Student Affairs reports that the ODSA "is making commendable progress in building greater awareness with both students and faculty, [but] should improve the quality of its contacts with students. . . . Conscious, programmed steps should be taken by ODSA to improve the perception of being approachable."

- May 1983: Once again McBay schedules an important event for the end of the term. She and LSC schedule *Not a Love Story* and a forum on pornography six days before the beginning of final examinations. "It was either May 10 or next [academic] year," McBay says. A *Tech* editorial suggests showing the film again at the start of the following term when some students might actually attend. Nothing is done.

- September 1983: After 2600 people pay to see LSC's sexually explicit Registration Day film, the Student Center Committee announces it will show an X-rated film. "We're going to be surrounded by pornography," McBay declares. "I can't imagine 2600 people going to" the LSC film, she says. It appears a segment of the MIT population needs and wants pornographic entertainment, she observes.

- October 1983: At a meeting of deans and activity leaders, Assistant Dean Stephen D. Immerman notes that the duty of the Dean's Office is to support student activities, but "we have not gotten to the point where we are good" at it. It is now 45 months since McBay was hired.

- October 1983: Activity leaders note declining participation due to academic and financial pressures. The Dean's Office merely shakes its head in sympathy.

- November 1983: After six weeks of prodding by students, student activities and the UA, McBay recommends that student activities be exempted from contributing to the MIT employment fund. The recommendation is accepted, giving McBay her only victory as an advocate for the students.

- November 1983-January 1984: McBay dismisses popular Assistant Dean Mary O. Hope. While McBay's actions are not censurable because of Hope's refusal to release the letter explaining the dismissal, students and minority groups demonstrate in opposition.

- April 1984: The ODSA again freezes the Finance Board's budget, allotting \$65,000 for student activities. McBay gives no specific reason for the funding freeze, but attributes it to the MIT budget process, according to Michael Vidaurri '85, Finance Board chairman. Student organizations requested \$120,000.

- May 1984: The ODSA, as part of its mounting campaign of harassment against LSC for showing sexually explicit films, questions the validity of LSC's longstanding monopoly on charging admission to commercial films.

- August 1984: The ODSA releases the MIT Policy on Sexually Explicit Films.

From her record, it is clear that McBay is either deliberately or unintentionally incapable of managing her office in the interest of the student body. Her ineptitude and bungling have made the office an object of mistrust and ridicule, a stigma not easily erasable. Even members of her own office are privately critical of her performance.

One does not lightly call for the removal of an important official. But the only way for McBay to undo her damage is to make way for someone more aware of student needs, more sensitive to student problems, and more willing to work with students. MIT needs and deserves a dean for student affairs, not against them.

opinion

Column/Michael Battat

A last glimpse of the world before classes

A number of things happened in the real world over IAP. They may never affect us collectively, but they are interesting. Some are also depressing. We may not see much of the outside world between now and the end of May.

Boston College senior Doug Flutie will earn more in his first year of work than most of us will in our first ten. He will receive a reported \$1.5 million per year for using his arm to heave an oblate spheroid. It makes you want to quit MIT.

Last week Senator Gary Hart of Colorado spoke at Harvard. Observers consider him a front-runner for the 1988 Democratic presidential nomination. The Democrats have been plagued with troubles of late. Do they really think their savior will come from the losing side of the last divisive nomination process?

The San Francisco 49ers and the Miami Dolphins played in the Super Bowl XIX on Jan. 20. The same day, Ronald Reagan took the oath of office for a second term. Reagan wanted to participate in the proceedings, like any red-blooded American male. From the Oval Office, via television link, Reagan tossed the coin which gave the ball to San Francisco. The 49ers won, defeating Miami 38-16.

After the game, Reagan made another famous post-game congratulatory address. Last year he

called Marcus Allen a "secret weapon." This year he asked coach Bill Walsh to "come to Washington and help run this mess." Walsh declined gracefully. I can imagine the coach giving a second-term pep talk, telling his team to win one for the Gipper.

Maybe not.

White House Chief of Staff James Baker has replaced Donald Regan as the new Secretary of the Treasury. Regan is the new White House Chief of Staff. You may not think Regan is famous, but his name is on every piece of currency the United States has printed over the last four years. Save those bills. They might be worth some money some day.

President Reagan went to nine inaugural balls after his inauguration, and he stayed up pretty late. On Wednesday he turned 74. I think people who keep busy, feel useful and are loved by their family can stay young for a long time.

My grandparents are perfect examples of this; Reagan is another. Why do most people have to retire at 65, when they can still be useful and feel useful? We have a strange way of treating our elderly.

1984, the Orwell classic, has been released as a motion picture starring John Hurt and the late Richard Burton, with some music by the Eurythmics. If the movie follows the book closely, you might get really depressed afterwards. I hope a loved one will comfort you afterwards. That will keep you away from heavy drugs.

CBS Television presented a docu-drama about the Atlanta child killings last weekend. Atlanta city officials expressed outrage about how the program portrayed the investigation and trial. The author of the script reportedly believes that Wayne Williams, the convicted killer, is really innocent and a victim of a biased investigation.

Atlanta Mayor Andrew Young said that such ideas, if conveyed to the citizens of Atlanta as truth, might set off a new wave of hysteria within the city. CBS has agreed to announce frequently during the airing that the show is a dramatization and not a documentary. That's not funny. That's sick.

We are just one week into the term.

Good luck. I'll see you in the obituaries.

Guest column/Jeff Bigler

How to survive bicycling the streets of Boston

The velocipede. The wheel. These are two archaic names for a device that, under human power, propels the operator of this machine forward at ten to twenty miles per hour.

Most of us call it a bicycle.

Automobile drivers have other names for it and its rider, but propriety will not permit them to be printed here. Bicycles can be fun to ride, especially if the rider is suicidal. Assuming this to be the case, here are a few tips that will help riders to ensure that death comes as quickly as possible.

Ride on the left. This is the last place drivers would expect to look for you. Drivers don't watch their left side as carefully as their right. They are less likely to see a bicyclist in time to (inadvertently)

take evasive action.

Also, anyone who has taken 8.01 can appreciate the difference between a large mass and a much smaller mass traveling toward each other, and a large mass overtaking a much smaller mass. After all, one of the worst things a rider could do is survive a car-bike accident, and people who ride on the right have been known to do just that.

At all costs, stay out of the appropriate lane for your direction.

A bicyclist who turns left from the left lane is not only where drivers expect him to be; he has made it impossible for anyone traveling in the same direction to hit him.

Never signal. If the driver knows where the cyclist is, at least he has no idea where the cy-

clist is going. In the most fortunate cases, the driver gives up trying to figure the cyclist out, and the rider is dead within a few blocks.

Disregard traffic signals. Cars coming up from behind have more time to see a cyclist than cars on a cross street. This makes it a lot harder for the cyclist to get hit. This technique is most effective at major intersections, like the intersection of Commonwealth Avenue and Beacon Street.

Absolutely never wear a helmet. When a rider's head strikes the ground, the less protection it has, the shorter the suffering before death. Also, helmets are generally in too-easy-to-see colors, and some even have (gasp) reflective tape.

feedback

Criminals do not deserve sympathy

To the Editor:

Well, enough really is enough. Society has been suffering from the stupidity of people like Paul F. Romanelli for too long. His letter to *The Tech* ["Garfinkel needs more sensitivity," Feb. 8] concerning Simson Garfinkel's subway fears and the Bernhard Goetz shooting incident is almost as hypocritical as it is inane.

What is your problem, Mr. Romanelli? You seem to be very concerned with our laws and who advocates disregarding them — so where is your admonishment of your "four children?" (Or "all the muggers in New York City or Boston" for that matter.)

They weren't just playing on that subway, you know. These children were carrying weapons, and some of them already had criminal records (like you, per-

haps? Remember, you said, "Maybe I even have a criminal record. . .").

And no, I'm sorry Mr. Romanelli, but these four children weren't just attempting to borrow five dollars from a complete stranger.

I don't know where you come from, but where I come from, and where Goetz and your four children come from, when people "ask" someone for money on a New York subway, they don't plan on returning it.

What did you think, Mr. Romanelli, that the youths were going to mail their new friend his money back? What occurred on that train is called a "shaking down."

It has happened to me, and I certainly hope it has happened to you. If Goetz hadn't shot those

youths and he refused to "lend" them the money, the next step would have been forceful robbery, whether you want to believe it or not.

I, too, am worried, Mr. Romanelli. I hope you are not thinking of becoming involved in our justice system — it's bad enough as it is. But don't worry, Mr. Romanelli, you seem to give the impression that you can make money some other way. So keep riding the subway, and keep carrying your screwdriver (sometimes), and try asking a stranger for "ten dollars." With any luck, you'll ask Bernhard Goetz. Or maybe Simson L. Garfinkel.

I agree with you on one point, Mr. Romanelli — it is a big frightening world that we live in, and it always will be. And people like you make it that way.

Richard E. Herrmann '86

DESPERATELY FLEEING TAX REFORM, A ROWING BAND OF DEMENTED-ORAZED LEGISLATORS SPOT YET ANOTHER BUSY MARK

A STUDENT!

GET 'EM!



opinion

feedback

An Objectivist denies pornography results in harassment of women

To the Editor:

In my mailbox on the morning of Jan. 28 I found, much to my dismay, a copy of a letter from K. K. Skiffington to *The Tech* which later appeared in print on Feb. 8. What was disturbing about this letter was not the irrelevant arguments presented, but the vicious libel accusing me of no less than male chauvinism and rape.

I must endeavor to clarify my position on these issues.

I am a firm believer in the philosophy of Objectivism as presented in the writings of Ayn Rand. The term *opinion* has negative connotations due to the fact that most individuals form opinions on the basis of a selected portion of the available information. Once formed, any data to the contrary is rationalized away.

An Objectivist, however, considers all available information on an equal basis, and his opinions are subject to change if he discovers conflicting data.

On the basis of interviews with female producers and actresses, I concluded that participation in pornographic films is voluntary,

and that no rights are violated in production. After reading Linda Lovelace's *Ordeal*, however, I realize that this is not necessarily true and I must retract that statement.

I certainly do not believe that women enjoy such exploitation; the atrocities committed in the making of *Deep Throat* are impossible to rationalize away. The individuals responsible for violations of this nature should be subject to the maximum penalty of the law.

Nevertheless, I still maintain that sexually explicit films made with the consent of everyone involved do not violate any civil rights.

In an effort to demonstrate the irrelevance of the claim that "pornographic movies result in increased sexual harassment," I stated that I have never committed an act of violence against a woman after watching one of these movies. This is not only my opinion, it is a fact: an Objectivist does not perform an action which initiates the use of physical force against another individual.

Chauvinism, harassment, and

certainly date rape are completely inconsistent with my nature. My statement does not imply that others conduct themselves in the same manner.

It could as well be argued that men must be forbidden from any activity which results in an increase in the level of androgens (male hormones) because it is a physiological fact that higher levels of testosterone cause increased aggressiveness in rats. Fortunately, humans can control emotions through the use of reason.

I suggest two courses of action for Skiffington: (1) read Ayn Rand's essay "Censorship: Local and Express" in *Philosophy: Who Needs It* (1982, pp.172-188); (2) think about whether or not she has ever wished that others be prohibited from some activity simply because she is offended by the idea.

It is a sad state of affairs indeed when an individual must resort to personal attacks and character defamation to express her views in place on rational argument.

Russell Karlberg '87

Ulterior motives behind American involvement in Central America?

To the Editor:

The Reagan Administration argues that we must carry out the current massive military build-up in Central America to counter Cuban adventurism in the region. Anyone who believes this rationale should consider the following:

Last week, during 37 hours of meetings between Fidel Castro and three US congressmen, Castro stated his desire to negotiate with the United States concerning the withdrawal of Cuban forces from Central America.

He also said he would accept the Administration's requirement of procedures to verify an accord ending arms flows to the region.

This offer was quickly rebuffed by Administration officials who said they did not take Mr. Castro's comments seriously.

If Reagan really thinks — as he has frequently asserted — that Cuba is the "source" of conflict in Central America, surely he should leap at this chance to negotiate the withdrawal of Cuban personnel from the region.

Last fall Nicaragua surprised and embarrassed the State Department by agreeing to sign the Contadora treaty which called for removal of all foreign forces from Central America.

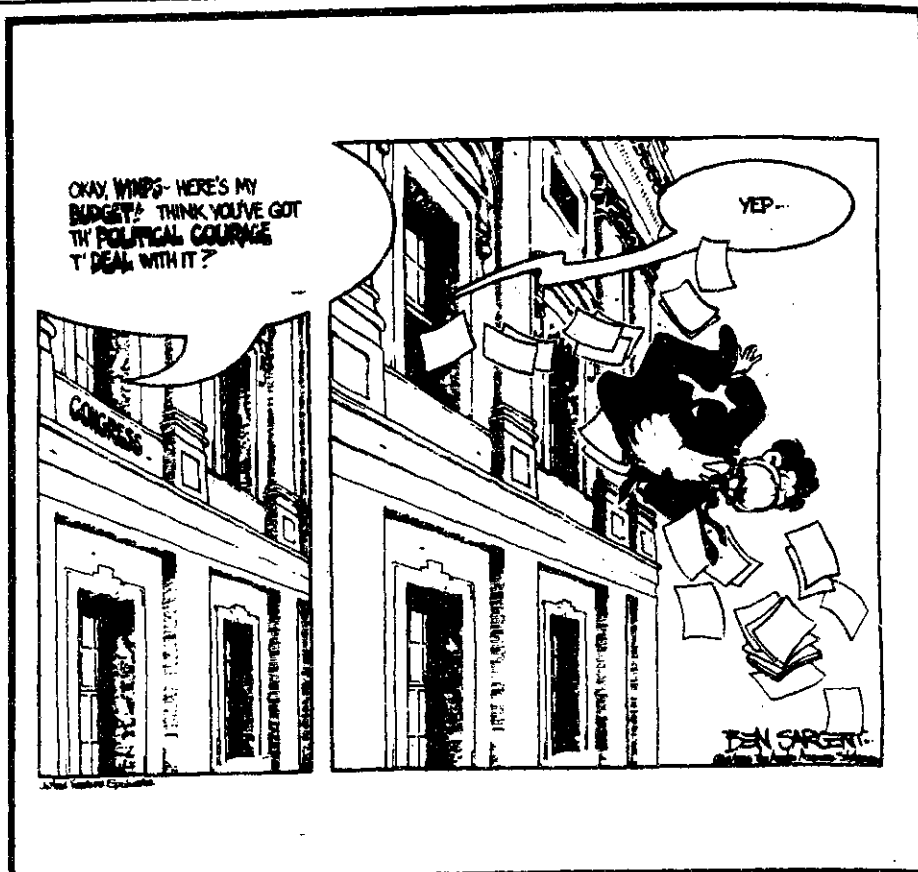
At the time, Castro conveyed to the Contadora countries his willingness to withdraw any or all

personnel in Nicaragua under any treaty the Sandinistas signed.

The US blocked passage of this treaty — "trumping" Nicaragua's offer to sign, in the words of a National Security Council memorandum. Evidently, Cuban withdrawal is not a Reagan Administration priority. Why?

One possible explanation is that Cuba's role in Central American politics has simply been exaggerated to justify the US military build-up there. This justification does not hold up under scrutiny, and we are led to wonder: Is there another reason for our military involvement in Central America?

Nancy Kanwisher G



feedback

Mature discussion is needed on porn issue

To the Editor:

The latest round of controversy following the showing of *Not A Love Story* has been most enlightening.

Enlightening, but also quite worrying.

What worries me in particular is the very subtle undercurrent of the statements, mostly by women, in reply to statements made by members of the Lecture Series Committee or other male members of the MIT community.

First, I'd like to address Ruth Perry's reply to Gordon Strong's letter to *The Tech* and to various deans, as reported by *The Tech* ["ODSA knew," Feb. 5]. I'm honestly upset by Perry's conclusion that Gordon's aims were harassment, and not an attempt to point out the absurdity of the Deans' Office's recent behavior in carrying out its own policies.

I know Strong personally and I find it really hard to believe that he'd want to harass young (or old) women.

To me, Perry sounds as though she is the one who feels threatened. What worries me now is

that people like Perry will interpret any male's attempt to comment on the matter as harassment if they don't agree with them.

The other person who has me worried is Kerry Skiffington. In her letter ["Karlberg's reasoning," Feb. 8], she insinuates that men cannot know what women's opinions are, in particular reference to Russell Karlberg's statement in a letter of his that he had never committed an act of violence against women.

She then brings up the subject of the date rape, and suggests that "this young man" (Russell) is a prime candidate for committing it. Why? Because, it seems, he doesn't think he's ever committed violence against women. Because he thinks he's sensitive to women, Skiffington accuses him of rank insensitivity.

Something about her reasoning seems a little flawed. She later also suggests that there's something wrong with looking at a woman. I am well aware that her actual words were "staring at a woman," but anyone who stares at any one else deserves a stare in return.

What Skiffington has done has made visual admiration socially unacceptable behavior. An admiring look, be it at woman, man or siamese cat is only as offensive as the person giving it, and most guys in the world really are okay human beings.

The end result, folks, is that as a man, I feel threatened. Because I have written this letter, and defended Russell and Gordon to some small degree, I'll probably be accused of harassment. If I look at a woman because I find her attractive, I'll be branded a potential rapist.

When I tell you I'm a member of LSC (which I happen to be) you'll decide I must be a biased bigot, incapable of sensitivity or insight. If what I just said pleases some women on this campus, then I feel a little sorry for them.

I wish all of MIT would just grow up a little. I wish the Dean's Office would try to talk to LSC on a reasonable, mature level, rather than devising ridiculous and badly upheld policies.

I wish women's groups would try to speak to people before attacking them. I wish I didn't have to write letters like this, but maybe I'm just not man enough not to feel threatened. And speaking to harassment, how many of you are going to say something unpleasant about my last name?

David Simson '86



THINGS WERE GOING GREAT UNTIL LEX LUTHOR HIT ME WITH A TEN MILLION DOLLAR VIGILANTE SUIT...

opinion

feedback

Dean's Office enforces its policies selectively

To the Editor:

Joe Kilian's article ["ODSA knew of planned explicit movie screening," Feb. 4] gives an interesting perspective on the motivations behind some of the people involved in the recent pornography "debate."

It's very interesting to note the difference in treatment between a movie that is intended to be shown as a movie (*The Opening of Misty Beethoven*) and one that is intended to be shown as propaganda (*Not A Love Story*). The conclusion could be drawn that *Not a Love Story* is considered automatically acceptable because it is against pornography.

Ruth Perry's claim that the Dean's Office had known about the activity for months sounds very bad in light of the events of the past several months. The Dean's Office made no effort to ensure that the movie would be screened six weeks in advance (not that it would even be announced six weeks beforehand) so other groups could plan alternate activities.

Suppose some group wanted to present an activity that would counter the barefaced propaganda of the activity involving that film?

Her claim that "the Dean's Office showed this film two years ago . . . if that doesn't constitute approval, I don't know what does," is a most revealing one. It sounds very much like she thinks that the Dean's Office approves the showing of films, not the *Ad Hoc* Committee, as the Dean's Office's own rules provide for!

I suppose she has a point, considering Dean McBay's actions with regard to *The Opening of Misty Beethoven*. In that case, the Dean's Office did effectively, through use of strictly administrative power, shut down the movie, at least temporarily. So it's acceptable if the Dean's Office flagrantly violates its own rules, but not if the student body, or a group thereof, wishes to abide by them? I suppose the end justifies the means, as long as it is the Dean's Office that wants to do something.

Perry's further comments that Gordon Strong '85's complaint that the film violated the ODSA rules seems "like retaliatory harassment directed at the young women who are already upset and threatened by the showing of pornography films on campus" is most unfortunate. Had I protested (as I was considering) and received a public reply of that nature, I would consider it slander.

These sort of intimidation tactics, threatening people who dare to disagree with the party line, have no place in a democracy. If the Dean's Office condemns harassment, it should not harass people who disagree with its policy.

What "young women" are "threatened" by the showing of pornographic movies? Most people that I have talked to about this (men and women) don't feel threatened, except by Dean's Office intimidation. They typically view it as a First Amendment issue — the freedom of speech. There are a few organizations on campus that I feel threatened by.

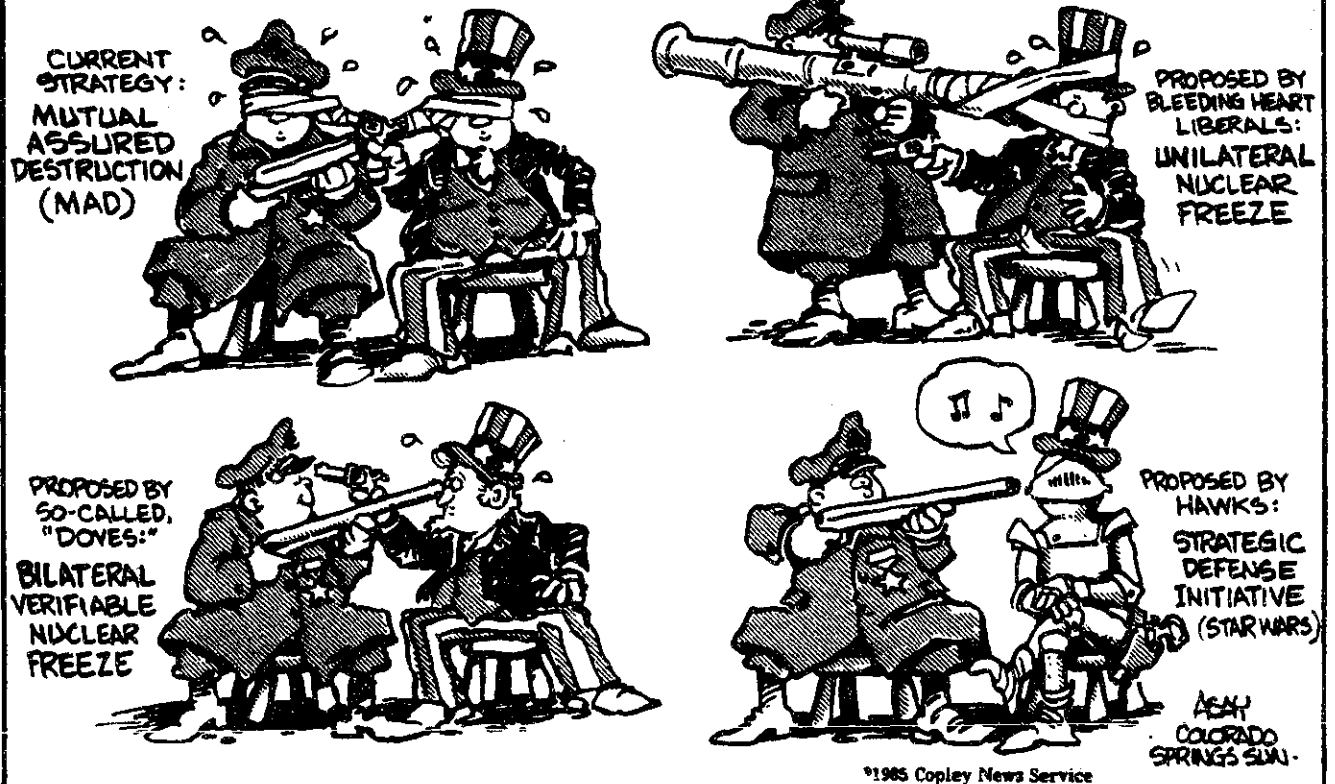
Does that give me the right to have them shut down? No.

Let me state here that I have seen two pornographic movies (one of them a Registration Day movie). I found them both to be frankly sickening and demeaning — to men as well as women. But what I think about pornographic movies is irrelevant. If there's a market for them (filling Kresge for four showings would seem to qualify), then clearly there are enough people who do in fact have some reason for watching the movie.

The argument that showing pornography violates women's civil rights is ridiculous. There are doubtless people who would be influenced to commit violence against women (or perhaps against men?) by seeing such a film. But these people are doubtless in an extreme minority, and

(Please turn to page 8)

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opinion

feedback

ODSA should not harass students who disagree with its porn policy

(Continued from page 7)

very close to committing such acts even without viewing pornography. What about the civil right of freedom of speech?

The related argument that it influences people to believe that women are inferior may have more truth to it, but the fact that something influences someone to think in a certain fashion is not a valid argument for censoring it. People do, after all, have the right to be exposed to any form of expression (voluntary) and draw their own conclusions from it.

For one group of people to set itself up as a moral arbiter and to say "It is wrong to believe this, and therefore we will not permit the rest of you to see something that might influence you against our beliefs" is *absolutely unacceptable* in a democracy. I happen to believe in the (intuitively obvious, to me) concept that all people are equal, and discrimination on the basis of something like sex is downright silly, and if I choose to see a pornographic movie it wouldn't change my opinion there.

The name of the activity in question, "Pornography in Film and Advertising" is especially troubling in this regard. While

admittedly much advertising is unabashedly sexist, I can't think of any examples of product promotion that is pornographic for any reasonable definition of pornographic. Does this mean that pornography shall be defined as "any speech which expresses or implies that principle that women, whether individually or as a group, are inferior to men?" And if so, should this be banned? I thought that speech is protected by the First Amendment, whatever its social content.

I wonder if, by writing this letter, I will be branded "insensi-

tive," or worse, by certain people at MIT. I would consider this most unfortunate. However, I have observed in the past several months that people who take the position that showing pornography on campus does not violate anyone's rights, and indeed that banning it does, have been accused of "harassment."

Harassment is a serious charge, and should be reserved for serious occasions, not to persecute people who merely disagree with the point of view taken by the Dean's Office.

Robert Krawitz '86

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opinion

Guest Column/Harry A. Atwater

Are you a Yippie or a Yuppie?

This Sunday I heard a radio debate between Abbie Hoffman and Jerry Rubin called "Are You a Yippie or a Yuppie?"

Rubin said: if the acronym IRA makes you think of the Irish Republican Army, you're a yippie. But if you think that IRA stands for Individual Retirement Account, then you're a yuppie. It was strange to hear Jerry Rubin debating his former Chicago Seven codefendant, but Rubin has "joined America rather than fighting against it," exhorting young people to use their enterprise, earning power, and the institutions they're entering to affect change.

In order to be a part of the solution rather than part of the problem, Rubin suggested we have to work from within, and that negativity and cynicism are all that remain in the hearts of baked-over activists like Hoffman.

Hoffman countered that Rubin's "world is as narrow as his tie." He lamented that today's college campuses have become "hotbeds of social rest."

We have to think through today's issues for ourselves, in their own social context.

Next year's entering student was a newborn baby when Jerry Rubin and Abbie Hoffman were in court in Chicago, the same year Dr. Martin Luther King Jr. was assassinated. He or she was a year old when Jimi Hendrix played his chilling "Star Spangled Banner" at Woodstock. The Beatles broke up, ending a decade of connecting music to popular culture.

Next year's freshman was two years old when National Guardsmen killed four students in a protest at Kent State, the same year as the first Earth Day. The Watergate break-in came two years later.

This student was in the second grade the day helicopters airlifted Americans out of the embassy in Saigon, ending America's involvement in Vietnam.

Ronald Reagan has been president for almost a quarter of this freshman's life.

It comes as no surprise that Newsweek named 1984 "The Year of the Yuppie." What happened? Was the generation before ours "Big Chilled" out of political and social participation in the eighties? Is there less to be concerned about now? Some issues have come to influence mainstream politics: the women's movement and nuclear arms control to name two.

But this is a time when economic issues are paramount, especially in personal terms. The push to contend with economic reality has sapped our concern for complex issues. It has compelled us to believe that our powers to affect change in our own lives — to say nothing of society as a whole — must be modest. The medium of our expression is no longer words, but money. This has led us to define our entire culture in terms of money: how much money Doug Flutie signed for, or how many records Michael Jackson sold often eclipses the quality of the throw or the

tune of the hit song.

Why does a discussion of values have relevance to this freshman? Because, as a graduate, he or she will have enormous economic power. But graduating students' goals are often more conservative than those of freshmen, in part I think because MIT is a somewhat sobering experience. Virtually everyone who comes here was a star in high school. Suddenly, many find themselves academically average for the first time.

This fact, coupled with nagging reminders of economic reality, may cause students to make more conventional career choices than even they themselves had anticipated. There is an incredible irony here: MIT students have more potential economic power and flexibility than almost any other students. Students here are creative and capable.

Yet how many of us have thought of a career doing exactly what we want? How many of us have thought of creating our own jobs, which satisfy both our professional goals and our social concern? How many of us have

considered putting our technical expertise to work to address societal problems in the government or non-profit organizations?

How many have thought of learning the elements of something that's personally important, and using this knowledge as a consultant? Many of us have briefly considered one of these alternatives, but have always found them incompatible with available opportunities.

Finding the opportunities to do exactly what you want to do may be difficult but not impossible. It may require a little looking in different places. It will definitely require the belief that it can be done. Many fields are underrepresented at MIT, but that shouldn't preclude them as choices.

Obviously, alternatives are not for everyone, and MIT students can and will make considerable positive contributions in any field. But for those who are looking for a career that integrates personal values with professional skills in unconventional ways, the alternatives are there.

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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.

Tuesday, February 12

Mr. William Derrickson, Vice President of Nuclear Energy for Public Service of New Hampshire, Seabrook Station, will speak on 'How to Improve the Construction Process for Nuclear Power Plants' at 4:15 pm in Building E51, Room 329.

Thursday, February 14

Dr. Gray will hold open hours on February 14 from 3:30 to 5:30. Any member of the MIT community may schedule a fifteen-minute appointment on a first-come, first-served basis by calling 3-4665 or by stopping at the reception area in Room 3-208 on February 14. Appointments may be made only on the day of the open hours.

Mount Auburn Hospital in Cambridge offers Community Health Education programs in the fall and spring. Women's health sub-

jects, elderly concerns, and a variety of psychological and clinical topics are featured. For more information about the programs beginning in March, call the Education Department at 492-3500, extension 1508.

Lecture by **Elin Cornell**, Dipl. Architect and Visiting Lecturer: *The Vestmannaeyar Town Project*. 6:30 pm, 7-431.

MIT Alternative Jobs Fair '85. Keynote address by **Ralph Nader**. 8pm, Rm 10-250, free. Reception afterwards at Faculty Club. For reception tickets, please phone 494-8822 and leave name & phone no. on answering machine.

The **International Business Center of New England** will hold a seminar on new strategies for doing business in the People's Republic of China on Feb. 14 at BayBank Middlesex, 7 New England Executive Park from 8:30-4:30. The program will cover practical business and government related experience in the PRC. For more information, contact... The International Business Center, 22 Battery March Street, Boston, MA 02109 (617) 542-0426.

Friday, February 15

MIT Alternative Jobs Fair '85. Meet and interview with small, creative, non-defense hi-tech companies and consulting firms. Non-profit, state and federal agencies. Sala de Puerto Rico. 9:30am to 2:30pm: Open to all. Please arrange for interviews at this time. 2:30pm to 4:30 pm: Closed interviews. All disciplines covered. Sponsored by Student Pugwash, HTPFP, CPSR, Alumni Assoc., GSC, and UA.

MIT Alternative Jobs Fair '85 Workshops. Student Center, Center Lounge, free. 2:30 pm: What is Public Interest Science? 10:30 am: Funding Alternative Technologies: The Venture Capitalist's View. 9 am: Individual & Social Responsibility in the Workplace. 1 pm: How to Find a Job in a Non-Defense Industry. Everyone is invited to attend.

Tuesday, February 19

A Public Meeting will be held by the Massachusetts Department of Public Works, to discuss the proposed reconstruction of the Har-

vard Bridge over the Charles River in the Cities of Cambridge and Boston, Massachusetts.

WHERE: Lecture Hall 1-190, Massachusetts Institute of Technology, 33 Massachusetts Avenue, Cambridge, Massachusetts.

PURPOSE: This meeting is being held to provide the public an opportunity of becoming fully acquainted with the proposed bridge reconstruction and related improvements. All views and comments made at this meeting will be reviewed and considered to the maximum extent possible.

PROPOSAL: The proposed project consists of replacing the present Harvard Bridge over the Charles River in proximity to the existing bridge with minor improvements to the approach roadways

Thursday, February 21

A seminar entitled, 'Software Protection and Marketing,' sponsored by the **MIT Communications Forum**, will be held from 4-6pm in the Marlar Lounge, Rm 37-252, 70 Vassar Street, Cambridge. The speakers will be Todd Sun of Multimate International; Marvin Goldschmidt of Lotus Development Corp; and Jim Button of Buttonware, Inc. Open to the public.

Lecture by **Jordan Gruzen**, Partner, The Gruzen Partnership, New York: *Urban Planning into Architecture: Design for Both Scales*. 6:30pm, 7-431

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Campus Rep/Office

I D E A S

FEB. / MAR. 1985

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PLACES TO GO VALENTINE'S DAY NIGHT

PAGE 4

FOR MIXIN' OR JUST SIPPIN'

The Tech's editors rate popular bourbons

*Let schoolmasters puzzle their brains
With grammar and nonsense and
learning;
Good liquor I stoutly maintain
Gives genius a better discerning.*
— Oliver Goldsmith

There are few things in life so pleasant as an easy draught of bourbon to warm a chilled editor attempting to turn a stream-of-consciousness essay into the lead news story. The Tech has long been a band of hearty mash swillers in search of split infinitives and good times.

The editors of this publication have decided to share their expertise in this matter with their good readers. A short time ago, they sampled in a blind taste test eight brands of commercial bourbon and sour mash.

Kentucky farmers first distilled bourbon as an easier way to get their corn to market and, in doing so, provoked our nation's first rebellion. Today, bourbon must be at least 51% corn, and most good brands are 60-80% corn, with rye and barley added for extra flavor.

Sour mash bourbon is made by adding the residue from the old batch to the new batch to provide continuity in flavor and bouquet. Straight bourbon is usually distilled in a continuous still, not in batches. The differences between straight and sour mash bourbons are less than most bourbon fans would care to admit.

A liquor's proof is, in the United States, twice the percentage of alcohol. The bourbons tested all contain between 40 and 45 percent alcohol.

Most companies also make versions with approximately 50 percent alcohol. These versions have more burn to them and are not as pleasant to sip, but maintain their presence over ice. The editors prefer the lower-proof versions because they have a richer, more complete flavor.

The bourbons are listed in alphabetical order. The prices listed are approximately those for a 750 ml bottle at a good discount liquor store. Prices will be 50 cents or so higher elsewhere.

Evan Williams, 90 proof, \$7.89, is the best bourbon for the buck. If you are catering a large affair, Evan Williams is the bourbon to buy. It has the best aroma: sweet and nutty. It is tangy and flavorful with only a slight bite.

Jack Daniel's, 90 proof, \$8.99, did not live up to its reputation. Old Number 7 has a weak aroma, a sharp, sour flavor, a strong bite, and a bitter aftertaste. It is not a sipping sour mash. It is best used in whiskey sours and pick-up trucks.

Jim Beam, 80 proof, \$6.59, does not make up in smoothness what it lacks in strength. It has no bouquet. Various tasters describe it as "weak," "bland," and "boring." Two respondents compared it to Listerine.

Maker's Mark, 90 proof, \$10.49, has the strongest flavor of the samples. This brand is only for the die-hard, die-fasting bourbon drinker. It may seem too strong to the palate of the neophyte or occasional sampler. Its bouquet is very subtle, but pleasant.

Old Grand Dad, 86 proof, \$8.29, is overpriced and unimpressive.

S. S. Pierce, 80 proof, \$5.99, is for external use only. Weak in flavor, S. S. Pierce tasted "spoiled" to two respondents. This brand found favor only with those who stated they disliked bourbon.

Virginia Gentleman, 80 proof, \$6.99, is a rough and ready bourbon. It has the strong aroma associated with good bourbons. The Gentleman presents a sharp but smooth flavor. It should not be the first choice of the discerning palate or of the neophyte, but makes a good compromise when short of cash on a Saturday night.

Wild Turkey, 86 proof, \$9.79, has been the official bourbon of *The Tech* for time immemorial. It is harsh and will displease those who seek a mild and easy foray into bourbondom. Several respondents found it only average, but for other editors, it makes for an excellent moment of repose after the issue goes to bed.

Robert E. Malchman
Ken Meltsner

BOURBON RECIPES

While some bourbon aficionados might frown upon consuming America's native whiskey in anything other than its pure state, bourbon's distinctive flavor makes it an essential ingredient in various recipes. Next winter, try it instead of rum in your egg nog. Here, with we present some of our other favorite uses, beginning with that most Southern of all mixed drinks, the mint julep.

MINT JULEP

- 2 oz. bourbon
- 1 oz. lemon juice
- 1 oz. sugar syrup
- 6 oz. crushed ice
- several mint sprigs

Crush mint sprigs, saving one for a garnish. Combine ingredients in a large Highball glass.

* * * *

BOURBON FOG

- 1 quart bourbon
- 1 quart vanilla ice cream
- 1 quart black coffee

Mix all together in a big bowl and serve in Old Fashioned or Collins glasses (the squat, wide ones or the tall, wide ones). Theoretically serves fifteen, or 3 Tech staffers.

* * * *

BANANA BIRD

- 1 oz. bourbon
- 2 teaspoons crème de banane
- 2 teaspoons Triple Sec
- 1 oz. heavy cream

Shake with ice and strain into a cocktail glass.

LOS ANGELES

- 1½ oz. bourbon
- a dash Italian (sweet) vermouth
- 1-1½ teaspoons fine sugar
- 1 egg

Shake with ice and strain into an Old Fashioned glass.

* * * *

BOURBON PUNCH

- 1 quart bourbon
- ½ cup sugar
- 4 oz. Grenadine
- 6 oz. orange juice
- 3 oz. lemon juice
- 1 quart club soda

In a punch bowl, dissolve the sugar in the fruit juice, then stir in other ingredients. Add ice and float mint sprigs and orange slices on top.

* * * *

BOURBON BALLS

- 2½ cups vanilla wafers, finely crushed
- 1 cup broken pecans
- 2 tablespoons cocoa
- 1½ cups confectioners' sugar
- ¼ cup bourbon
- 2 tablespoons light corn syrup or honey

Combine the vanilla wafers and pecans in a bowl. Sift in the cocoa and 1 cup of the sugar. In a measuring cup, combine the bourbon and syrup, and mix thoroughly into the other ingredients. Form the mixture into small balls, and roll in the remaining sugar.

V. Michael Bove
Ken Meltsner

SPECIAL DELIVERY

Supposing you want a pizza, but you really don't want to face the cold...

It's February. February in New England, particularly in Boston, means cold and biting winds. No human being in his or her right mind would want to venture outside, particularly during the wee hours of the morning when not even the sun is around to lessen the cold.

It's 10 pm. You're starting to think about the problem set due in the morning. But your stomach announces it would like a little something to munch on while your brain goes into heavy duty thinking mode. You have no food around your room, and the thought of venturing out is enough to kill the heartiest of appetites. What can you do? The Boston area, while rife with cheap eating places, has only three establishments which deliver to the MIT campus. All of them are pizza joints, and all have their pros and cons. In no particular order:

Despina's Place, 536-1577, 6-11 pm — Located on Mass. Ave. on the Boston side of the Harvard Bridge, the only thing Despina's has going for it is it is the official pizza of *The Tech*. Despina's starts its delivery service later and closes earlier than either of its two competitors and tacks on a \$1.50 delivery charge.

Despina's does have the advantage of being reliable and fairly fast — deliveries rarely take more than an hour, and orders do not mysteriously disappear between telephone and pizza chef.

Pizza Ring, 864-0188, 4 pm-1 am Sun.-Thurs., 4 pm-2 am Fri. and Sat. — Pizza

Ring, on Mass. Ave. in Central Square, is the newest entry into the pizza delivery business. Pizza Ring's service has deteriorated markedly since the beginning of the school year, when a pizza would arrive half an hour after the order was placed. Now delays of 45 minutes or more are common.

Pizza Ring's free delivery, later hours, and proximity to the MIT campus make it more convenient for late-night tooling sessions, and you can be fairly certain that the pizza you get will be hot. Don't be too fooled by the free delivery, though. The pizza prices make up for it. **Pizza Pad**, 536-0559, 11-3 am — Pizza Pad has long been "the" take-out pizza place for much of the MIT community. Located in Kenmore Square, Pizza Pad is close to many fraternities and just a short trip across a bridge to the MIT dormitories. Pizza Pad is open earlier and later than either of the above establishments, and these times often end up being the deciding factor when deciding where to order.

Pizza Pad offers free delivery on its pizzas, but charges a "nominal" fee — translate to \$1.50 — for all non-pizza items, such as subs. The generally poor quality of the Pad's pizzas spawned much of Pizza Ring's early success, but their usually dependable, reasonably fast deliveries do much to recommend themselves to customers.

Martin Dickau

IDEAS FEBRUARY / MARCH 1985

A supplement to *The Tech*
February 12, 1985

CONTRIBUTORS:

Martin Dickau '85, Robert E. Malchman '85, Ronald E. Becker '87, V. Michael Bove G, Ken Meltsner G, Jonathan Richmond G.

DESIGN:

V. Michael Bove G.

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LOCAL CLASSICS

Beantown Baroque, Cantabrigian Classical

A large nerdy-looking acquaintance bounced into perspective and began elucidating on the therapeutic qualities of Beethoven: "Beethoven's Ninth's good when you get back to your room after a test," he said, "but Beethoven's Sixth is better to study by." Classical music thrives all over MIT and for all kinds of reasons; whether as escape from or as soothing antidote to the pace of life here, music is as integral to MIT life as calculus is to mathematics.

The MIT Symphony Orchestra, conductor David Epstein, is an extraordinary ensemble of musicians: few people listening to them would regard them as an amateur orchestra. It is an orchestra capable of unusual expressive power but with a personal touch which frequently makes their recitals illuminating as well as refreshing. MIT Symphony Orchestra concerts, held in Kresge Auditorium, are free to the MIT community, \$1 to others.

David Epstein also directs the New Orchestra of Boston, which includes members of the MIT Symphony Orchestra together with other Boston area musicians. The Orchestra has already given a successful concert in Lincoln Center, New York, and last summer was in residence at the Salzburg Festival: they are well worth watching out for.

The MIT Chamber Music Society is run by Professor Marcus Thompson, one of the outstanding and sensitive musicians of our time. The Society gives concerts in the Music Library and Lobby 7, while the MIT Chamber Players put on larger scale events in Kresge or 10-250. The standard of musicianship is exceptionally high.

John Oliver has an international reputation as a conductor of choral music. In addition to his duties as director of the Tanglewood Festival Chorus and the John Oliver Chorale, John Oliver runs the MIT Choral Society which performs two major concerts with orchestra each year.

The MIT Brass Ensemble repertoire ranges from Renaissance to Contemporary; the ensemble presents regular concerts throughout the year under the direction of Richard Given, freelance trumpet recitalist and a member of the Boston Conservatory faculty.

The MIT Concert Band not only plays at MIT, but makes an annual tour in Janu-

ary. The programs are made up entirely of original pieces for band, including manuscripts dedicated to the Band and its director, John Corley, who has conducted it since it began in 1948.

The MIT Experimental Music Studio specializes in coaxing unlikely sounds out of computers. The music created there varies in appeal from the dull and self-indulgent to the eye-opening and entertaining. It's worth going to a concert of theirs at least once.

* * * *

And so far we haven't left the force-field of the technological campus: But the sundry goings-on up the road at Harvard are worth a look-in too. The best source for information for those seeking crimson-tinted spectacles is "The Arts Spectrum" published by the Office for the Arts at Harvard & Radcliffe and included in the weekly *Harvard News*. The Harvard-Radcliffe Orchestra puts on regular concerts but so too do the many Harvard Houses. Some of them bring in outstanding musicians from outside; Winthrop House, for example, is presenting four concerts by the Beaux Arts Trio this season. Others throw together events ranging from intimate chamber recitals to fully-staged opera productions. Those interested in gate-crashing a good party might like to check out the annual Lowell House opera. Past comedies staged at Lowell have included *The Merry Wives of Windsor* and *L'Elisir d'amore*, both done with style and wit. And if you get into the special performance held for benefactors, the entire audience is invited to adjourn afterwards to the Master's lodgings for a sumptuous feast and unlimited drink. The experience can be somewhat disturbing. I once took along 9 other MIT people, who seemed more interested in the food than in the conversation. After they left, I picked up a wine glass and mingled with the Harvies for a few minutes until someone asked what I did. "I'm at MIT," I said. A frosty silence descended. "Oh well," said the young society lady with whom I had been conversing, "but at least you have an accent..."

While Lowell House perform on their own premises, other groups appear in Sanders Theatre or in the exquisite Agassiz Theatre in Radcliffe Yard. Many of the smaller Harvard events are free and the larger ones are free; Between MIT and Harvard

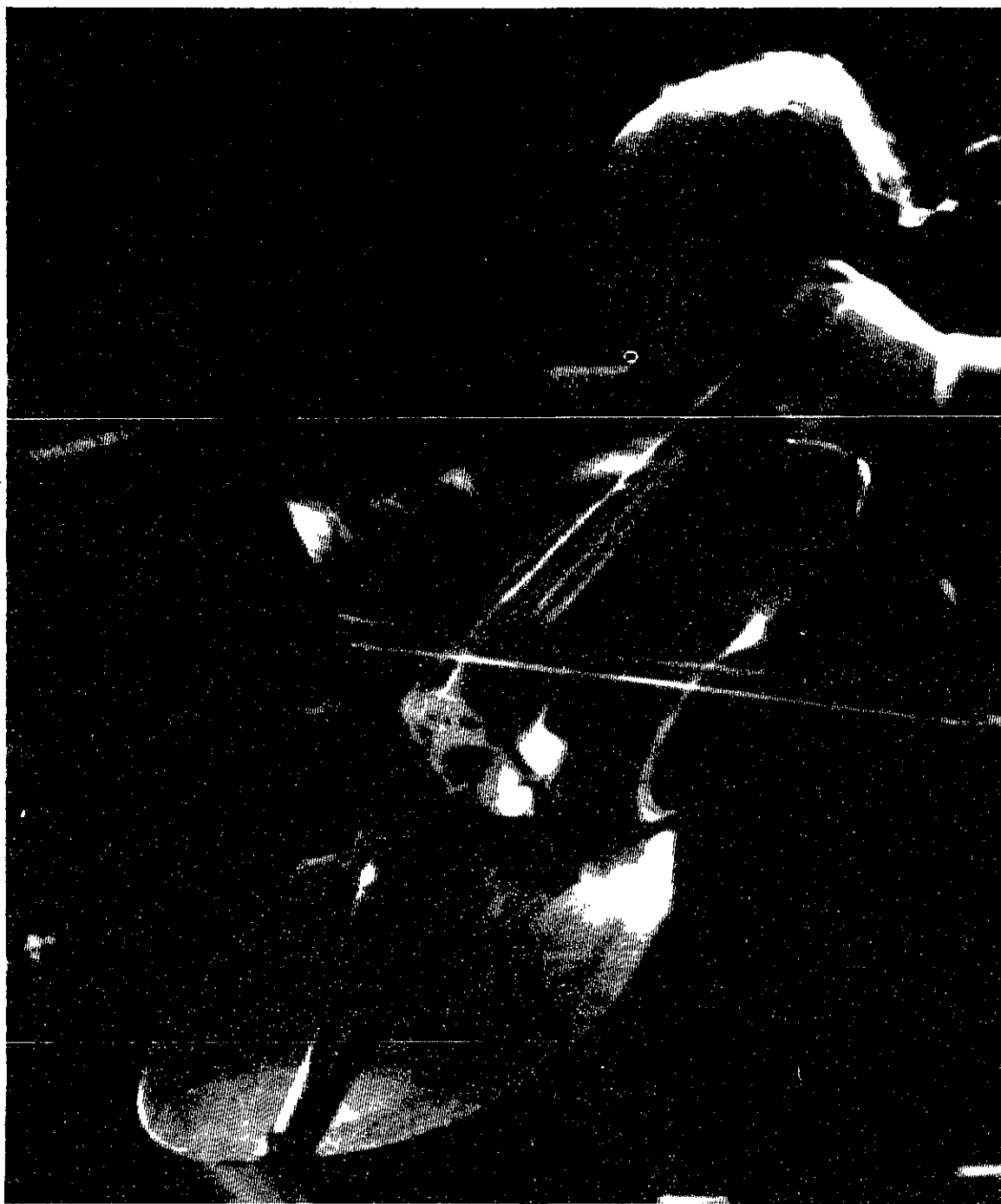
you already have enough entertainment to fill out most evenings of the week, but don't pause for too much breath: The real world beckons from outside.

* * * *

When it comes to the classics, Boston is Early Music town: Full of scholars, obscure scores, original instruments and authentic musicians to play them, there's something unusual and delightful going on almost every weekend. Heading the roll of honor is the Early Music series at the Museum of Fine Arts which presents varied and lively concerts throughout the year. The resident Boston Museum Trio includes Daniel Stepner, one of the country's foremost baroque violinists, John Gibbons, Boston's most thrilling harpsi-

promoting the unusual. They started the current season with a brilliant production of Haydn's comic opera *House Affire!*, staged with puppets. And last Saturday they recreated the contest between Bach, Telemann and Graupner (*who?*) for the post of Kantor of the Leipzig Thomas-kirche, leaving the listener to judge whether Graupner should indeed have been judged superior to Bach... To end the season the Ensemble will perform Beethoven's *The Creatures of Prometheus* with members of the Dance Collective on May 10 in Sanders Theatre. Phone: 782-2582.

Boston University has an Early Music series that is full of goodies and which costs only \$2 to students. Phone 353-3345.



chordist and Laura Jeppesen, a sensitive gamba player. The Friends of Dr. Burney, also in residence, performs ballad operas you're unlikely to hear anywhere else; their recent production of *Robin Hood* was outstanding from both a musical and a theatrical viewpoint. The Museum also hosts well-known visiting ensembles and musicians such as the Consorte of Musick, the Aulos Ensemble, Jeffrey Gall and Jaap Schröder. Students pay only \$8 for single tickets and get reductions on subscriptions too: If you want to subscribe to only one music series at Boston, the Museum's the place to be. Phone: 267-2973.

Banchetto Musicale is an orchestra under the direction of Martin Pearlman which in the past has given excellent performances of mostly baroque repertoire. Some of their recent work has not been quite so impressive: The Fall concert of works by Mozart & Haydn showed that they were not quite comfortable outside the baroque age; their insistence on using authentic instruments, also, sometimes gets taken too far as in the case of a natural horn which sounds anything but natural. There are two more concerts remaining in Banchetto's main series at Jordan Hall, but the smaller-scale chamber-style concerts at the First & Second Church on Marlborough St., Boston have been highly successful and are also worthy of exploration. Phone: 491-7282.

Joel Cohen regularly leads the Boston Camerata in Renaissance and Medieval music. A talent for humor in song and virtuosity in musicianship keep the audience's attention. Only one more concert remains this season, on June 1. Phone: 262-2092.

The Boston Cecilia celebrates the 300th birthday of Handel on February 23 in Jordan Hall and the 400th birthday of Schütz on April 26 in the Church of the Advent, Beacon Hill. The chorus is splendid, music rich and telephone number is 232-4540.

The Cantata Singers will be doing Haydn's *Die Jahreszeiten* on May 3, in Sanders Theatre. Phone: 282-3748.

The Boston Premiere Ensemble believes in

To splendidly conclude the Early Music season the Boston Early Music Festival & Exhibition will take place from June 3 to 9. There will be early instruments on display, and several concerts: A fully-staged production of Handel's opera *Teseo*, conducted by Nicholas McGegan and with Trevor Pinnock at the harpsichord promises to be the highlight. There will be Master Classes, the Bodky Competition for excellence in performance of Early Music will take place as will an auction and many fringe events.

The Boston Symphony Orchestra is Boston's major full-scale, full-repertoire orchestra. Subscription concerts are held on Thursdays, Fridays, Saturdays and some Tuesdays in Symphony Hall. There are two ways to get in cheap. One is to try to get a rush ticket for the Friday or Saturday performances — \$5 and sold at the Symphony Hall West Entrance on Fridays beginning at 9 am and on Saturdays from 5 pm. The other way is to attend Wednesday open rehearsals, for which unreserved admission is \$6.50. Otherwise the range of ticket prices goes from a not-so-sedate \$13 to an alarming \$33.50. During the summer the BSO performs at Tanglewood in Western Massachusetts. Only the Mass Pike separates you from the ideal summertime bliss. Phone 266-1492.

For something a bit smaller scale, try the Pro Arte Chamber Orchestra of Boston which performs regularly in Sanders Theatre. Tickets cost \$8 & \$10. Phone: 661-7067.

MIT's exceptional viola player Marcus Thompson is among the regulars at the Boston Chamber Music Society concerts in Sanders Theatre. The programs are well-balanced, the quality of musicianship is high and it's only two stops away on the Red Line. What more could you ask for? Phone: 522-3555.

The John Oliver Chorale will be performing Bach's *B Minor Mass* on March 30 in Jordan Hall and works by four American composers on May 11 in the First Congregational Church, 11 Garden St., Cambridge. Phone: 734-8618.

CONTINUED, PAGE 4



KENNEDY MANIA

On the trail of our 35th president

With the inauguration of President Reagan a failure from a pomp and circumstance point of view, you may enjoy reminiscing about the glory days of the Presidency. Even if you don't remember the era of President John F. Kennedy you will enjoy seeing the segment of history of which he was a major part presented at the John F. Kennedy library. If you are hard-core JFK fan, then you will also enjoy visiting his childhood home in Brookline.

The John Fitzgerald Kennedy Library, designed by I.M. Pei '40 and located on Columbia Point near UMass-Boston, contains all the National Archive materials that deal with the late President John F. Kennedy. In addition, a museum "designed to help you gain a better understanding of the career of John F. Kennedy, the presidency itself, and the nature of the American political system" is located on the first floor.

Before entering these exhibits, you can see an introductory film entitled *John F. Kennedy 1917-1963*. It is a wonderfully produced and narrated documentary about the life of the President. Additionally, on Saturdays at 2:30 pm *RFK Remembered*, a moving documentary about the late Senator, can be seen.

Even if you weren't born until after the presidential days of JFK, this is still a neat place to visit. Just from the raw historical

point of view the Library covers an important and recent segment of US history. Although it sounds trite, the museum really helps you get to know John F. Kennedy.

The museum follows a time-line around a center display which contains the President's desk. The exhibit begins by tracing his heritage in Ireland and Boston and later focuses on his Presidential days. The last two parts deal with the life of Robert Kennedy, U.S. senator and John Kennedy's younger brother.

One of the displays features a video tape compiled from JFK's press conferences. It was refreshing to hear a president saying funny things intentionally. Another display was equally refreshing — it contained JFK's Harvard transcript. Did you know that our 35th president got C's and D's in college?

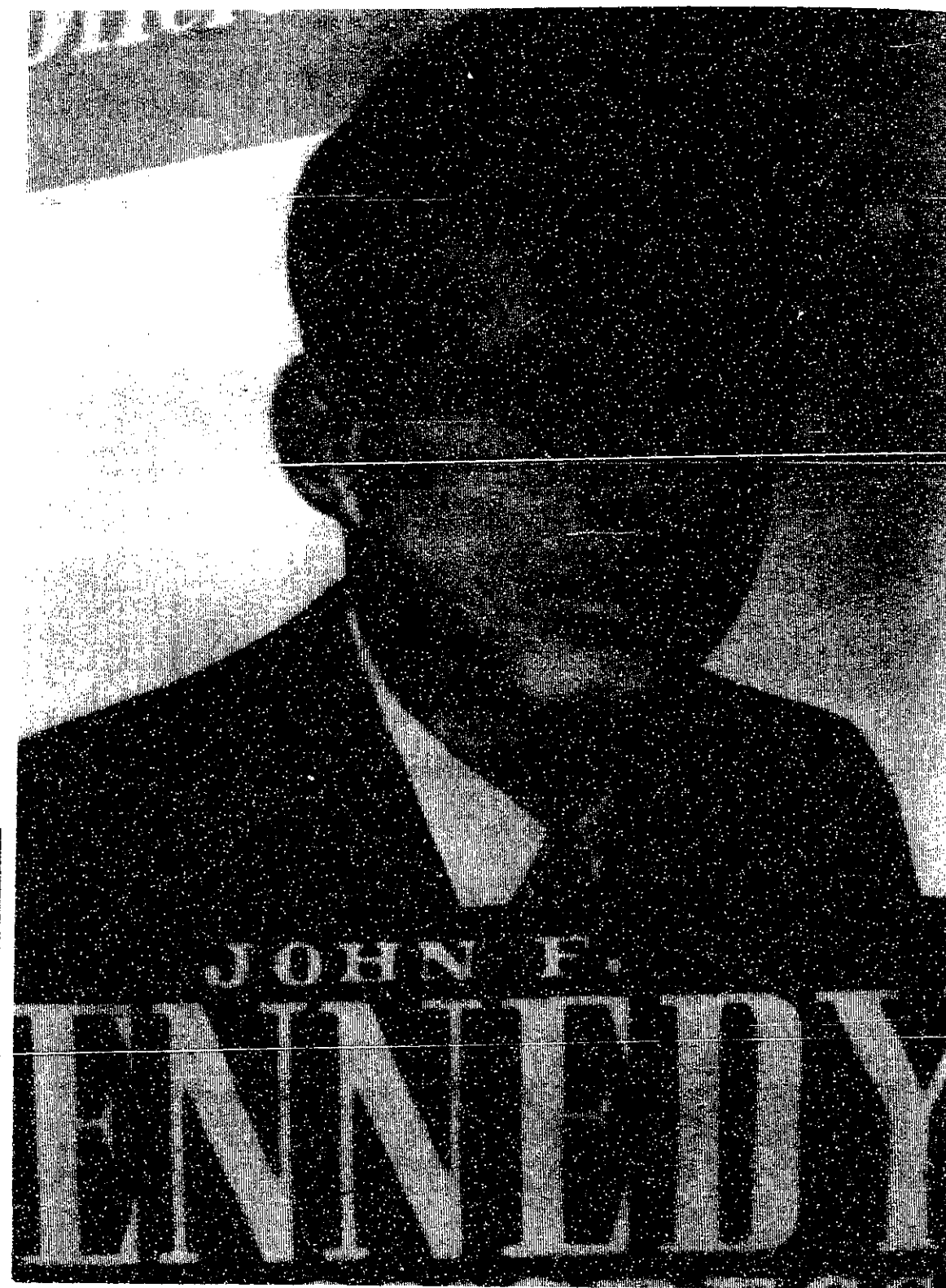
A visit to the John F. Kennedy library offers you a chance to escape from the 'Tute for a while and to enter a different world. The museum is open every day from 9 am to 5 pm, except holidays (Thanksgiving, Christmas and New Year's). Admission \$1.50 for people over 16, free for people under 16. MBTA: Red Line to Columbia Point (stop also called "U. Mass and JFK Library"). There is a shuttle bus which runs every half-hour from the T-stop. This distance is also walkable, but a long (approximately 30 min) walk. For driving

instructions or further information call the Library at 929-4523.

For a shorter getaway, you can enjoy a trip into Brookline to see John Kennedy's Birthplace at 83 Beals Street. This is a national landmark run by the National Park Service. It has been restored to closely match its original condition. It is near Coolidge Corner, and could easily be part of a larger excursion (the entire house can be seen in less than an hour, so you may especially want to have something else planned for the day). The tour through the relatively small 3-story home is narrated by tapes made by the President's

mother, Rose Kennedy, after her son's death; a Park Service guide is available to answer any questions you may have. Within easy walking distance are other sites of importance in Kennedy history, including a house on Naples Road where the family moved upon outgrowing the Beals Street residence, and St. Aidan's Catholic Church, where the Kennedy children were baptized. A map is available at the Beals Street house. Admission to JFK's birthplace is only 50¢ and the house is open 10 am to 4 pm every day. MBTA: Green Line B to Harvard Street.

Ronald Becker



VALENTINE'S NIGHT

Being a compendium of goings-on about town on Thursday evening...

Sample some sweets with your sweetie — the French Library in Boston's Valentine's Day Chocolate Tasting begins 7:30 pm at 53 Marlborough St., Boston. Admission \$12.50 for students, \$15 for others, and \$25 for couples; call 266-4351 for information. MBTA: Green Line to Copley.

* * * *

Anthony Quinn and Lila Kedrova revive their screen performances in *Zorba*, a stage adaptation of the 1964 film *Zorba the Greek*, opening Thursday at 8 pm and running through March 10 at the Shubert Theatre, 265 Tremont St., Boston. Tickets are \$21-40; box office phone 426-4520. MBTA: Green Line to Boylston.

* * * *

Closer to home (in Kresge Little Theatre, to be exact) Dramashop presents the appropriate *Keep an Eye on Amélie*, Feydeau's bedroom farce. 8 pm, tickets \$4 for students, \$5 for others, available in Lobby 10 or by calling x3-2877.

* * * *

The Boston Ballet performs selections from Tchaikovsky's *Swan Lake* and *Serenade* Thursday at 7 pm at the Wang Center for the Performing Arts, 268 Tremont St., Boston. Shows continue through the weekend. Tickets are \$14.50-\$36.50; phone 542-3600. MBTA: Green Line to Boylston.

* * * *

The Boston Symphony performs Handel's *Acis and Galatea* at 8 pm. Symphony Hall, 301 Mass. Ave., Boston. Tickets \$5-\$33.50; phone 266-1492. MBTA: Green Line to Symphony.

* * * *

If jazz is more your style, follow the MIT Festival Jazz Ensemble to Tufts University's Cohen Auditorium in Medford, where they perform at 8:30 pm in a Big Band Night, along with the Tufts Jazz Ensemble and special guest Dizzy Gillespie. Tickets are \$3, phone 381-3564.

On the other hand, you might prefer to hear Digney Fignus at the Channel, 25 Necco St., Boston (MBTA: Red Line to South Station); The Outlets, Prime Movers, and Last Stand at The Rat, 528 Comm. Ave., Boston (MBTA: Green Line to Kenmore); or 'Til Tuesday at Jonathan Swift's in Harvard Square (MBTA: Red Line to Harvard).

* * * *

Explore the world of nature without leaving a nice, warm lecture hall — LSC's Edgerton Series lecturer this week is Smithsonian photographer and filmmaker Kjell Sandved, who will show his recent film on animal behavior. 8 pm, Room 34-101.

* * * *

The unbelievable foam-rubber-clad Swiss mime group Mummenschanz brings a new show to the Colonial Theatre, 106 Boylston St., Boston, starting at 8 pm. Tickets are \$12-\$17.50; phone 426-9366. MBTA: Green Line to Boylston.

* * * *

Celebrate Donald Duck's 50th birthday with Olympic silver medalist Rosalynn Summers and the entire crew of *Walt Disney's World on Ice*, 7:30 pm at the Boston Garden. Tickets \$8.50-\$9.50, phone 742-0200. MBTA: Green Line to North Station.

* * * *

Or perhaps spend a quiet Valentine's Day evening at home watching television. NBC (channel 4) rules the lineup tonight with the *Bill Cosby Show*, *Family Ties*, *Cheers*, *Night Court*, and *Hill Street Blues*. Channel 25 counters with the original movie *The Love Boat*, 38 offers *Guns for San Sebastian*, and 56 shows *The Driver*; everything starts at 8 pm. Get out some ripe Camembert, a properly mature red Burgundy or Chianti Classico, and enjoy!

MUSIC, CONT.

Two concerts remain for this season's Jordan Hall series concerts by the Civic Symphony Orchestra of Boston, on March 1 and April 28. Phone: 326-8483. Keep away from the Boston Classical Orchestra, an ensemble with pretensions rather than results. Their concerts are simply mediocre and plain boring. Phone: 426-2387.

Sinfonova have a five-concert season in Jordan Hall. One remains: On March 15 Anthony di Bonaventura will play Mozart's *Piano Concerto No. 9*. Phone: 938-6828. The Brattle String Quartet is a group of Boston Symphony Orchestra musicians who give periodic Sunday afternoon concerts at the Brattle Theatre in Harvard Square. Phone: 876-4226.

Composers in Red Sneakers is for those inclined towards the avant-garde. To get in free you need to be wearing red sneakers. Otherwise you'll pay \$3 or the discount (sic) price of \$5.99 if you have a student ID. Phone: 661-5776 or 364-4911.

Along similar lines you could find enlightenment at the Dinosaur Annex Music Ensemble. The March 17 performance will include a work by and introduction from Peter Maxwell Davies while May 9 will bring works with titles such as *Holograph Dances* and *A Little Cowboy Music* to town. Concerts happen at the First and Second Church, 66 Marlborough St., Boston. Phone: 262-0650.

Pro Musicis sponsors concerts by promising young musicians: On March 24 you'll be able to hear harpsichordist Joyce Lindorff; and on May 23 Nancy Allen will give a harp recital, both in Jordan Hall. Phone: 536-2412.

The Wang Celebrity Series provides a breathtaking season of concerts by major musicians. The Tokyo, Guarneri and Alban Berg String Quartets, Peter Serkin, Isaac Stern, Heinz Holliger and the Rot-

terdam and the Royal Philharmonic Orchestras will all be performing during the remainder of the season. Phone: 482-2595.

John Parker-Murdock runs a wonderful series under the banner International Artists Series. Unfortunately, most of it happens in Worcester, somewhat far away. But Murdock brought The English Concert to Boston and will be importing The Academy of Ancient Music on March 8. The concert, to be held in Symphony Hall promises to be a highspot of the Boston musical year. Phone: 721-1200.

Meanwhile, Charles River Concerts will be wrapping up their season with a recital by Venezuelan harpsichordist Abraham Abreu on March 5 in the First and Second Church, Boston, with a performance by the American Brass Quintet on April 9 in the Old South Meeting House, Washington & Milk Sts., Boston and with the Boston recital debut by the new BSO Concertmaster, Malcolm Lowe, in Jordan Hall on April 19. Phone: 262-0650.

The Opera Company of Boston may only present a few operas a year, but a little Sarah Caldwell inspiration makes for absorbing productions of great originality and high quality. Unfortunately, the current season has been cancelled due to Caldwell's serious illness. We wish her well and urge you to look out for her unusual and exciting productions next year.

The Metropolitan Opera pays an annual visit to Boston, and this year will bring *La Bohème*, *Eugene Onegin*, *Lohengrin*, *Rigoletto*, *Simon Boccanegra*, *Hansel and Gretel* and *Così fan Tutte* to town. The performances will take place at the Wang Center during the week of April 22-27. Phone: 482-2840.

Finally, the Boston Concert Opera presents operas in Symphony Hall in concert form. The quality makes up for the lack of staging. Janacek's *Káťa Kabanová* will be performed on March 31 for the first time in New England. Phone 536-1166.

Jonathan Richmond

notices

Monday, February 25

Lecture by **Rijk Rietveld**, Architect: *The Dutch Tradition in Housing*. 6:30pm, 3-133

Wednesday, February 27

Dr. Gray will hold open hours on February 27, from 3:30 to 5:30. Any member of the MIT community may schedule a fifteen-minute appointment on a first-come, first-served basis by calling 3-255 or by stopping at the reception area in Rm 3-208 on February 27. Appointments may be made only on the day of the open hours.

Thursday, February 28

Seminar entitled "*The Multi-Media Computer Networking*", sponsored by the MIT Communications Forum, will be held from 4:00-6:00 PM in the Farlar Lounge, Room 37-252, 70 Massar Street, Cambridge. The speaker will be **Paul Green** of IBM.

Tuesday, March 5

Dr. Gray will hold open hours on March 5, from 3:30 to 5:30. Any member of the MIT community may schedule a fifteen-minute appointment on a first-come, first-served basis by calling 3-4665 or by stopping at the reception area in Rm 3-208 on March 5. Appointments may be made only on the day of the open hours.

Wednesday, March 6

Lecture by **Alice Aycock**, Public Artist: *Work*. 6:30pm, 9-150.

Thursday, March 14

Lecture by **Richard Flier**, Co-developer of The Boston Design Center: *The Boston Design Center: its inception and development and the rejuvenation of an industry*. 6:30pm, 7-431.

Thursday, March 21

Lecture by **Jean Dethier**, Director Architecture Exhibition, Centre Georges Pompidou, and **Hugo Houben**, Engineer and Co-developer Craterre: *History, Application and Technology of Earth Instruction*. 6:30pm, 9-150.

Friday, March 22

Lecture by **Jean Dethier**, Director Architecture Exhibition Centre Georges Pompidou, and **Hugo Houben**, Engineer and Co-developer Craterre: *History, Application and Technology of Earth Instruction*. 6:30pm, 9-150.

Thursday, April 4

Dr. Gray will hold open hours on April 4, from 3:30 to 5:30. Any member of the MIT community may schedule a fifteen-minute appointment on a first-come, first-served basis by calling 3-4665 or by stopping at the reception area in Rm 3-208 on April 4. Appointments may be made only on the day of the open hours.

Thursday, April 18

Lecture by **Elizabeth Plater-Zyberk** or **Andres Duany**, Partners Architecture: *Work*. 6:30pm, 9-150.

Wednesday, April 24

Dr. Gray will hold open hours on April 24, from 3:30 to 5:30. Any member of the MIT community may schedule a fifteen-minute appointment on a first-come, first-served basis by calling 3-208 on April 24. Appointments may be made only on the day of the open hours.

Thursday, May 2

Lecture by **Peter Davey**, Editor, *The Architectural Review: From Arts and Crafts to Romantic Pragmatism*. 6:30pm, 9-150.

Tuesday, May 14

Dr. Gray will hold open hours on May 14, from 3:30 to 5:30. Any member of the MIT community may schedule a fifteen-minute appointment on a first-come, first-served basis by calling 3-4665 or by stopping at the reception area in Rm 3-208 on May 14. Appointments may be made only on the day of the open hours.

Ongoing

The Famine Continues... but you can help. **Grassroots International** is a Cambridge-based, non-profit organization dedicated to short-term emergency assistance and long-term social and community development in Ethiopia and Northern Ethiopia.

We need volunteers one night a week for a five week project beginning in February. We are located at 6778 Mass Ave at the Central Square T Stop. Please call Hailey at 497-9180.

* * * *

The **American Gas Association** has a new educational grant/loan program for undergraduates who have completed 2 years of undergraduate study and who are entering the field of Mechanical, Chemical, Petroleum, Geological Engineering, Physics, or Management discipline. Selection is based on qualifications and financial need. Application deadline is April 1, 1985. Applications are available in the Student Financial Aid Office 5-119.

* * * *

The 1984-1985 **I. Austin Kelly III Competition** in humanistic scholarship is now open. The competition, now in its eleventh year, carries two prizes of \$250 each for the best scholarly or critical papers in any of these fields: Literary Studies, History, Musicology, Anthropology, Archaeology. All full-time MIT undergraduates are eligible, except previous winners. For more information, contact the Humanities Undergraduate Office, 14N-409, 3-4441.

* * * *

Instructors are needed for participatory workshops at the **Boston Museum of Science** for a series of

Camp-Ins to be held Saturday afternoons through Sunday mornings during 12 weeks from January to May 1985 for children in grades 4 through 8. Topics include: paleontology, geological history, physiology, science magic, energy sources, pollution, and physics of flight. These are paid positions and require enthusiasm. Contact Michael Smith, 723-2500.

* * * *

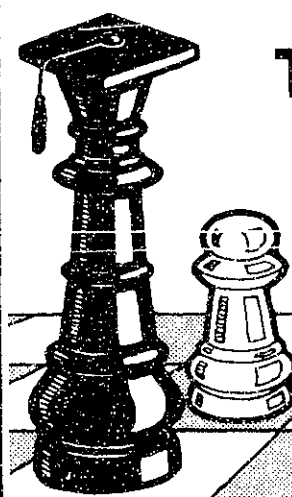
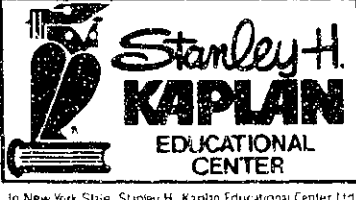
Interested in children? Teenagers? Innovative education? The **Cambridge School Volunteers** needs you as a tutor, classroom aide, big brother or big sister, or a mini-course teacher. Work with

any age student in any subject. Credit may be available. For more information, call 498-9218.

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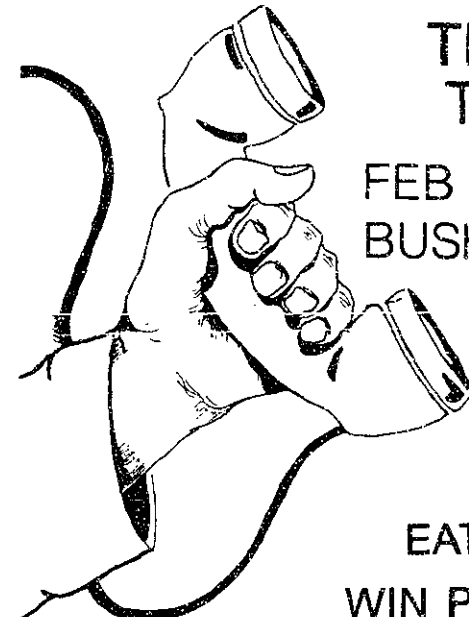
The **Peace Corps** is offering skill-training for programs utilizing the backgrounds of college graduates with mathematics and science minors. Peace Corps volunteers serve for two years. During their service they receive a generous living allowance, paid travel, training and health care. A post-service readjustment allowance of \$175 per month is paid to each volunteer. For information on Peace Corps service, call 223-6366 or 7366, or write **PEACE CORPS**, 1405 McCormack POCH, Boston, MA 02109

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The **ALPHA OMEGA RESEARCH FOUNDATION, Inc.**, a government approved, not for profit public foundation, is offering a scholarship of \$10,000 to any graduate or undergraduate student who disproves any equation or physical concept in the book, *The New Physics of Symmetrical Energy Structures*, and its addendum.

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CAMPUS INTERVIEWS

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notices

Announcements

Course 17.025, Bureaucracy and Public Policy, meets in Room E51-125. An incorrect room number was posted previously.

The Kathlyn Langford Wolfe Awards, two \$1000 prizes, are to be awarded, one to an undergraduate student and one to a graduate student, upon completion of an imaginative and significant project combining research in materials and humanities or in materials and the arts. The project may take the form of laboratory research, a research paper, an exhibition, or a work of art. The deadline is February 4, 1985 for the preliminary project proposal and April 22, 1985 for the

final submission. For more information please contact Prof. L. Hobbs, Room 13-4066, x3-6835 and Prof. A. Kaledin, Room 14N-322, x3-4144.

The American Institute of Steel Construction has announced that eight graduate fellowships of \$5000 each will be awarded in 1985 by The AISC Education Foundation. The grants will be awarded to graduate civil or architectural engineering students proposing a course of study toward an advanced degree related to fabricated structural steel. Applicants must be U.S. citizens. Deadline for receiving applications is March 1, 1985. To obtain applications, write AISC Education Foundation, 400 N. Michigan Ave., Chicago, IL 60611, or call 312-670-2400.

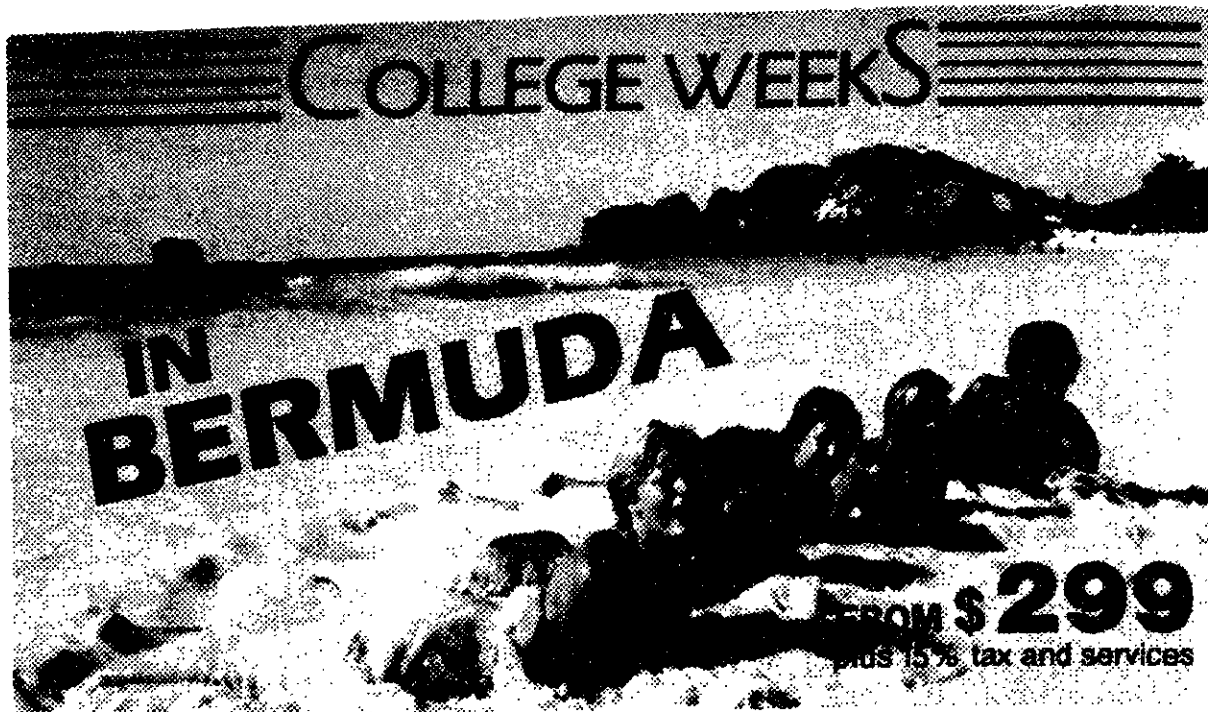
VOICE YOUR CONCERN

A Soviet-American conference on Biomedical Engineering is being held, today through Thursday, in Kresge and the Student Center. High-ranking Soviet scientists will be present, delivering papers and meeting with their American counterparts.

Though we welcome these visitors, we feel it important to remind them that cultural and scientific cooperation will be incomplete as long as Soviet scientists who desire to emigrate, or who wish to pursue their own cultural and religious traditions, are dismissed from their positions, harassed, and imprisoned.

We invite all members of the community to join us in peaceful witness against this discrimination, today, 12:30 - 2:00, in front of the Student Center.

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Lodging										
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Deluxe Apartment Complexes	319	319	319	319	319	319	319	319	319	319
Mermaid Beach without meals	369	369	369	369	369	369	369	369	369	369
Mermaid Beach with meals	509	509	509	509	509	509	509	509	509	509
	May 4	May 11	May 18	May 25	Jun 1	Jun 8	Jun 15	Jun 22	Jun 29	
Lodging										
Guesthouse	359	359	359	359	359	359	359	359	359	359
Deluxe Apartment Complexes	399	399	399	399	399	399	399	399	399	399
Mermaid Beach without meals	449	449	449	449	449	449	449	449	449	449
Mermaid Beach with meals	589	589	589	589	589	589	589	589	589	589

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ON CAMPUS INTERVIEWS FRIDAY, FEBRUARY 15, 1985

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ARTS ARTS ARTS

Brilliant weekend Recital by MIT Professor

Boston Premiere Ensemble, *Church of the Advent*, Feb. 9; Leontyne Price, *Symphony Hall*, Feb. 10, John Buttrick, *Kresge Auditorium*, Feb. 10.

On a chilly night, in the candle-lit church of the Advent, the sound of Bach's *Orchestral Suite No. 1* surrounded and warmed the audience. In some ways, the Boston Premiere Ensemble approach to Bach was old-fashioned. The textures were rich, the sound full and quite in contrast to the anti-romantic "authentic" style so much favored in Boston. But, in contrast to the saccharine-sweet Stuttgart approach which now seems so antithetical to the clean lines of the Baroque, the Premiere Ensemble played with an elegance and restraint.

It played with a balance orchestrated to bring out the pleasures of individual instruments while maintaining the cohesiveness of the whole. The interplay of David Carney's crystalline harpsichord with Nancy Cirillo's sweet first violin was especially delightful.

The balance, for the second piece, though, was unfortunately less than perfect. The two soloists in Telemann's *Concerto for Recorder, Flute and Strings in E minor* were often submerged in the orchestra's over-enthusiasm. But, winners of the 1985 Boston Premiere Ensemble Concerto Competition Laura Barron, flute — a high school junior — and Maria Diez-Canedo, recorder — a student of early music at the Longy School — both played fluently. The piece was altogether charming, culminating in a humorous *presto*, drone like strings chasing flighty winds to refresh the ears.

The concert ended with Graupner's *Mein Gott, warum hast du mich verlassen*, claimed to be the first performance outside of Europe. During his life Graupner may have been regarded in some circles as being on a par with Bach, but his music, though perhaps interesting from a historical viewpoint, turns out to be far from great. Despite one well-sung aria, *Soll ich mich denn stets mit Tränen* (sung by John Ehrlich), the performance was uneventful.

There were several notable moments to an otherwise unspecial Symphony Hall recital by Leontyne Price. The first came in her rendition of *Ach, ich fühl's* (from *The Magic Flute*), which William Mann has referred to as "the most affecting music Mozart ever wrote for any voice." It is an aria of pain, but with grief paradoxically concentrated in an intense calm. There was a purity to Price's voice that amplified feeling; there was an eternal mystery as in transparent, disembodied voice she dwelt on death (*so wird Ruhe, so wird Ruh'im Tode sein*). *Der Stern* by Strauss was

1984 continues: film version true to Orwell's atmosphere

1984, written and directed by Michael Radford. Starring Susanna Hamilton, Cyril Cusack, John Hurt and Richard Burton. Now playing at Nickelodeon and Orson Welles cinemas.

Though the hype and flurry surrounding the book 1984 has diminished with the arrival of the new year, Orwell's cautionary vision of the future remains with us in cinematic form. 1984 is definitely not to be missed.

It is hard to imagine anyone else but John Hurt perfectly cast as the troubled Winston Smith. The bleak, mechanical reality of everyday life in Oceania is fully reflected on his almost painfully gaunt features. When he shares the screen with Big Brother, the contrast is overwhelming.

Suzanna Hamilton renders an equally remarkable performance as Julia; the young, rebellious Oceaniaite who brings love and a glimpse of hope into Winston Smith's life of resignation. Though her face is almost as drawn and haunted as Winston's for the greater part of the film, she lights up during the love scenes. Her radiance provides a colorful contrast to the otherwise monochromatic atmosphere which engulfs the screen.

Richard Burton, in his last film before an untimely death, plays the part of a member of the Inner Party. His presence is less felt than John Hurt's but nonetheless equally admirable. Burton's hulking frame

brilliantly sung; and *Ständchen*, also by Strauss, told a story characterfully. *Ich liebe dich* carried a drama and a depth peculiar to Price and "Snake" by Ned Rorem sizzled with good humor. Many of the other items seemed a trifle dull, though: Price did not seem to always be using her full capabilities. The concert ended, nonetheless, with five triumphant encores, including a particularly splendid *Summertime*.

* * *

Reger's music is less well known than it should be, but MIT Professor John Buttrick's brilliant performance of his *Six Intermezzi*, Op. 45 made a compelling case for his work. At his hands the music sung, danced, skipped and bounded, took off on intellectual excursions and came full circle with a laugh overwhelming any frown. Complexities were sharpened and highlighted by the forceful flow of the first movement. The second movement combined elegance with playfulness, while the third, more gently expressive, left us on a thoughtful note. The fourth, *fast, with humor*, had wonderful flair, while the fifth delivered us back to introspection. The closing movement began frantically, Buttrick simulating jumping and tumbling sensations on the keyboard. Reger appropriately marked the finale *As fast as is somehow possible*, and Buttrick did not fail to stick to the composer's instructions.

The next item in this unusual program was *Enoch Arden*, Tennyson's heart-rending poem set to music by Strauss. In it we follow the plight of Arden as he sails off to sea, is shipwrecked and returns home years later to find his wife remarried, himself assumed drowned. Christopher Ly-

don, narrator, gave a dramatic reading, while Buttrick's approach was to understate the simple music and allow it to build on the poetry of Tennyson's words. The effect was deeply moving. We felt the weeping as Enoch left; we sensed, also, the yearning of Philipp, his "eyes full of life-long hunger," but we are struck the more deeply by Enoch's grief upon return to find his wife now married to Philipp, and are filled with a numbing, yet sublimely beautiful, terror as Arden dwells on death, the gentleness in the piano underlining his sorrow, and his nobility too.

Beethoven's *Sonata No. 30*, Op. 109, contains one of Beethoven's most intimate movements, *Gesangvoll, mit der innigsten*

Empfindung. It is a difficult piece, and one that is easy for all but the most accomplished to slip up on. Buttrick took a plain, uncluttered approach, letting the passions of the music breathe freely, making it easy to be drawn into the fragments of stillness and to be lost in moments of sad reflection. Buttrick's depth brought new light to bare on a well-known work, bringing glory out of torment, engaging the mind head-on and, more than that, capturing the soul. Music, despite the invisibility of tones, has a unique ability to penetrate deep and conquer all the senses; with Buttrick at the piano, one could only left be with a sense of the complete elation of having discovered new truth.

Jonathan Richmond



Attractive Currents at The ICA

Currents: Batey & Mack, Evaristo Bellotti, Nancy Burson, R.M. Fischer, April Gornik, David Kelley, Judith Levin, Ed Paschke, Juan Usle, Bill Viola, Robert Wilson. Through March 24, at The Institute of Contemporary Art.

Art exhibitions usually take place in an ambience of solemn silence. Not this one: the ominous sounds of rolling thunder and splashing water welcome the visitor at the Institute of Contemporary Art.

In its *Currents* program, the ICA tries to display the range of expressive modes in modern art as a kaleidoscope, showing small samples from recent work by artists differing widely in medium, style and interests. The current exhibition is the third in this wonderful series.

One only has to briefly peruse the paintings on display to get a sense of the variety. The vast landscapes by April Gornik, suggesting hidden forces and impending

threats, are reminiscent of Magritte. Ed Paschke's portraits in sharp, sweet colors crossed by discharge-like zigzag lines look like Andy Warhol updates. The Spanish painter Juan Usle rides the present wave of expressionism. David Kelley's abstract works cater for those who like to let their fantasy run free.

A similar need for association and interpretation characterizes the sculptures of Evaristo Bellotti and (less convincingly) Judith Levin.

But let us not lose track of the noise: The thunder is produced in Bill Viola's *Room for St. John of the Cross*, a video installation expressing the artist's view on the imprisonment of that Spanish mystic. The water flows in a steel and plastic fountain by R.M. Fischer, whose sculpture uses the by now well-established vocabulary of the *objet trouvé*.

In the section on architecture, documentation is provided on projects by the Californian firm of Batey & Mack. It represents the current so-called post-modern trend in architecture, in which the emphasis on the modern and the cult of technology are abandoned in favor of a language inspired by the past or the primitive. (For a canonical example of this style in Cambridge, take a look at the new wing of the Sonesta Hotel on Memorial Drive.)

Nancy Burson produces portraits by manipulation of digitalized photographs. The artistic importance of this technique remains to be proven, but it leads to some

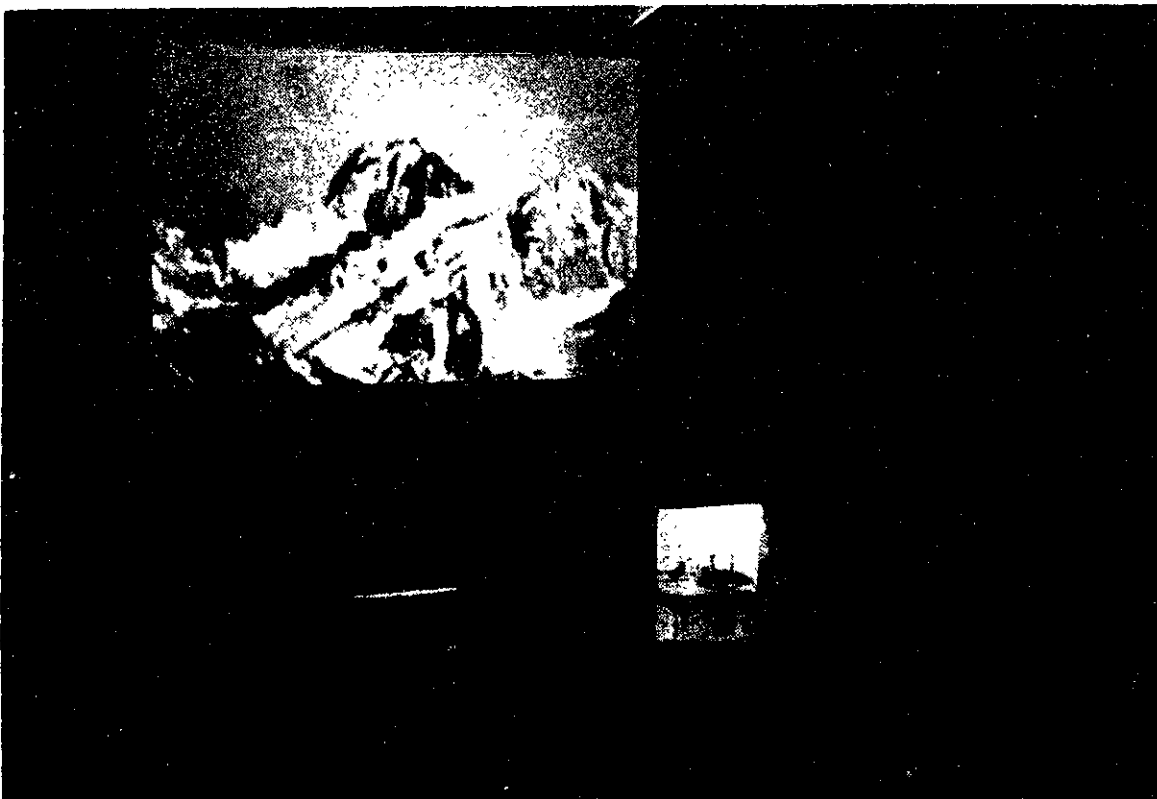
curious pictures. Those inclined to construct a composite of Jane Fonda, Jacqueline Bisset, Diane Keaton, Brooke Shields and Meryl Streep will find a clue to the possible outcome.

Robert Wilson's preparatory drawings for his opera *The CIVIL warS* are somewhat problematic. The first American performance of *Act III, Scene E, Act IV, Scene A*, and the *Epilogue* of this colossal work, starting February 22 at the American Repertory Theatre, is certainly an event to look forward to. As things stand now, however, it is hard to appraise the drawings otherwise than as abstract compositions.

The exhibition, then, has something to suit every taste: Its format stimulates further thought, and guarantees that sections which seem less pleasing are at least instructive. There is no need for despair for those ignorant of the connection between Duchamp and urinals: as part of the excellent presentation, free brochures are available to provide a commentary on the art on display. Of additional note is the continuous video program in the basement video theatre, in which — among others — Bill Viola and Robert Wilson figure again.

The ICA is located at 955 Boylston Street, Boston, right across the bridge from MIT. It is open Wednesday through Sunday, 11 a.m. to 5 p.m., admission \$1 with student ID; also, Friday, 5 p.m. to 8 p.m., admission free.

Michiel Bos



Lauren Seely

comics

Stickles

By Geoff Baskir



ON THE FRONT LINE...

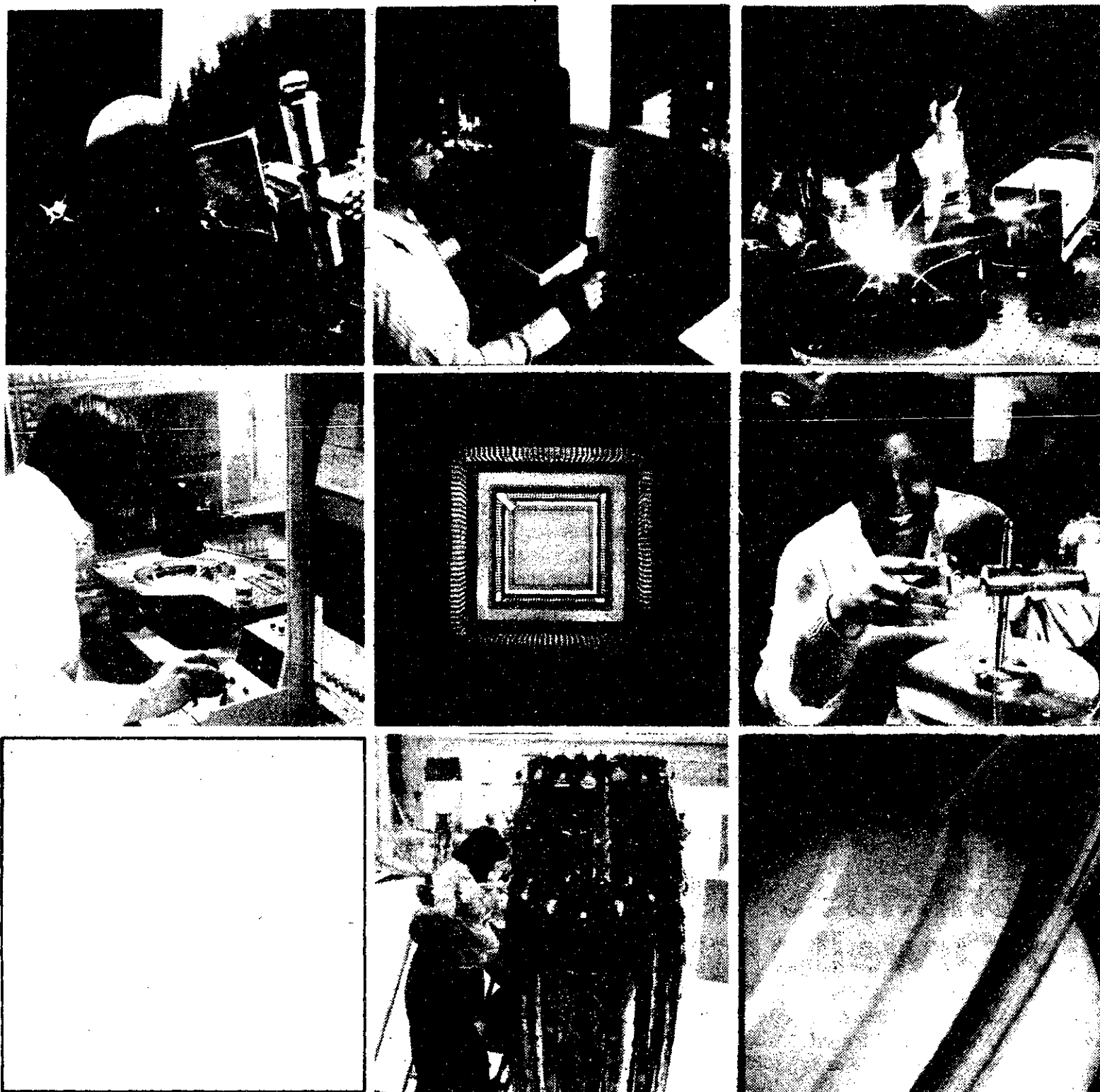


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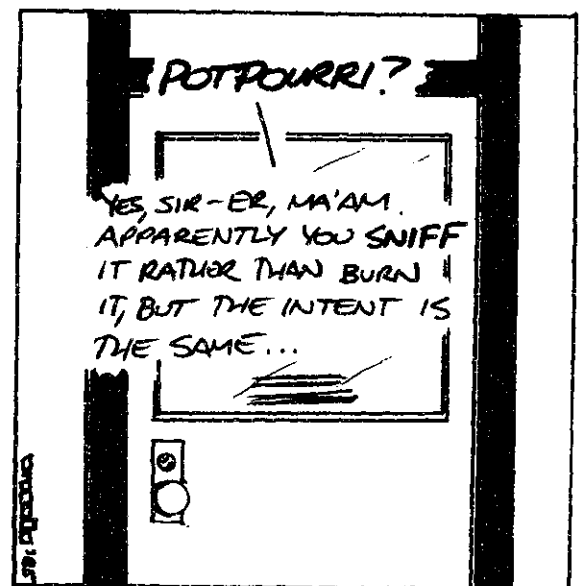
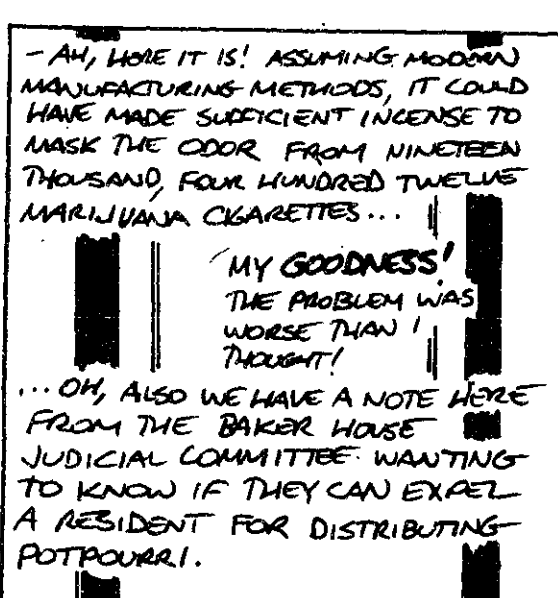
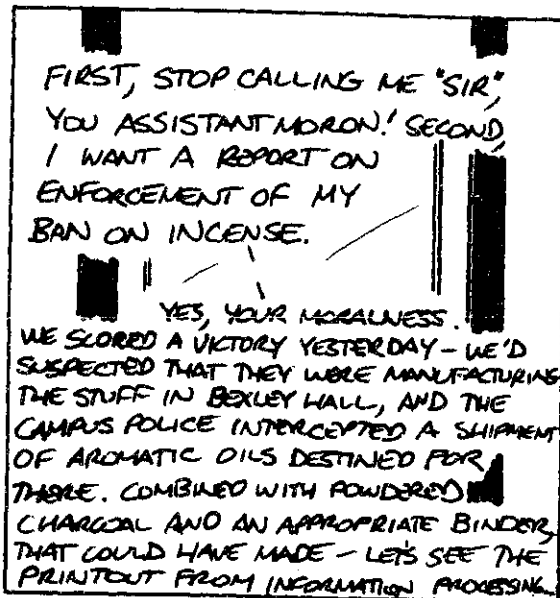
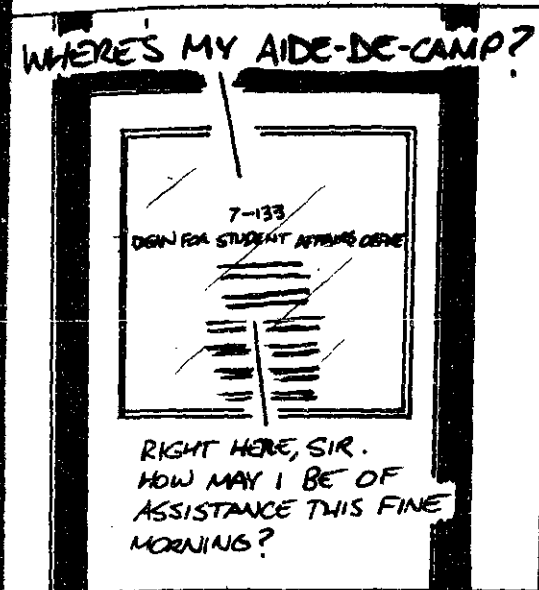
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Outside Looking In

By V. Michael Bove

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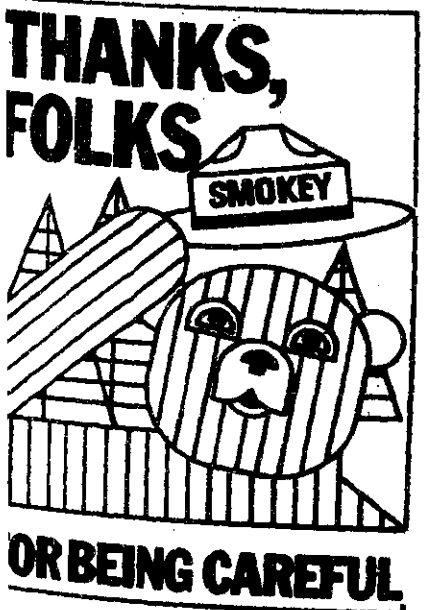
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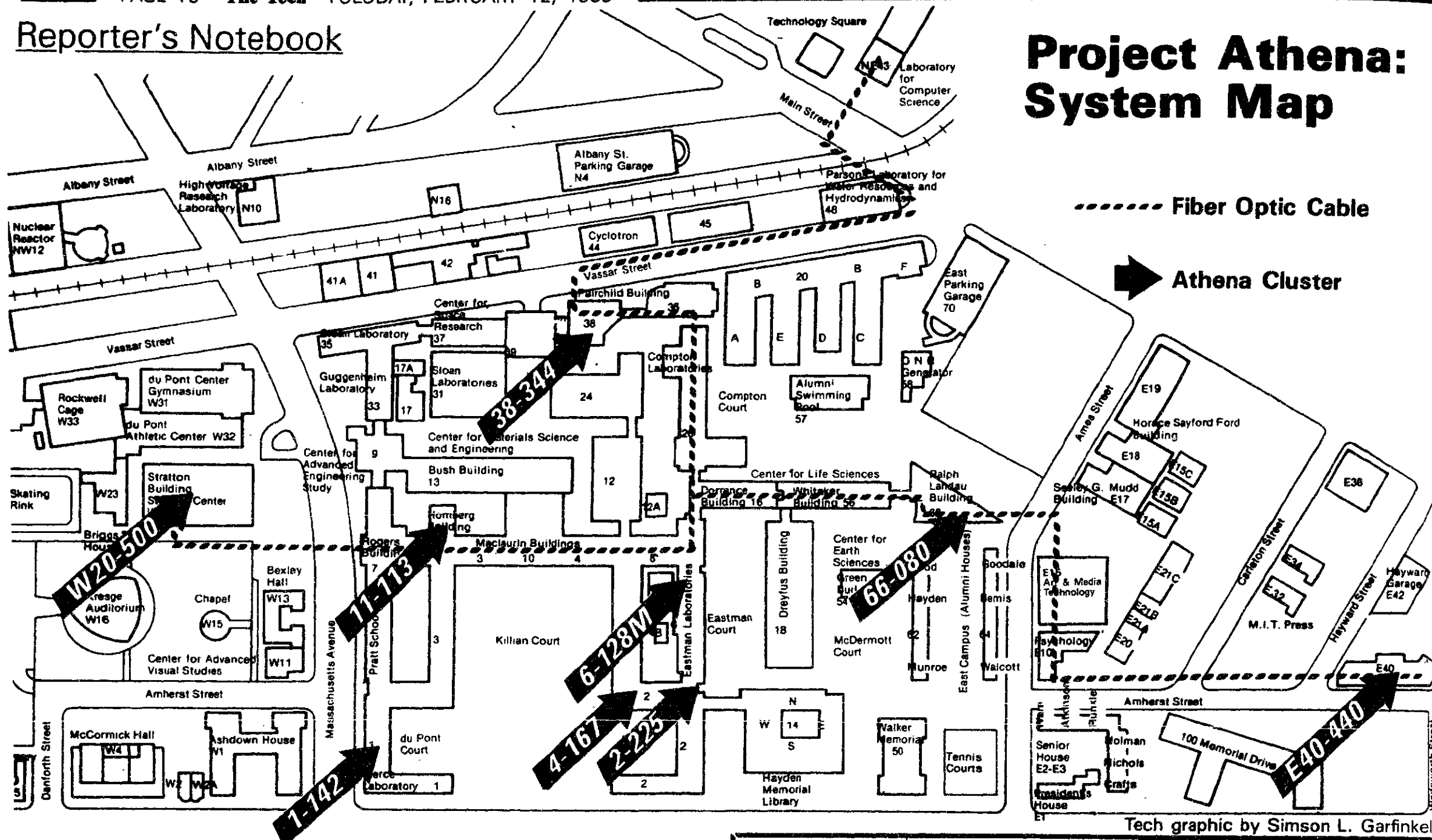
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Reporter's Notebook

Project Athena: System Map



Athena at MIT

Analysis

By Simson L. Garfinkel

Project Athena is a five-year experiment. As a result, major changes have been made in mid-stride. This has caused the system to evolve differently from original predictions and promises.

Many people feel the promises MIT made when Athena was first announced in May 1983 were unrealistic. Athena was to increase by more than an order of magnitude the amount of computer power at MIT. The project would give the Institute three thousand more terminals.

The networking would be so transparent that the system could be viewed as one large computer, with thousands of users working simultaneously. Alternatively, the final system could be viewed as thousands of personal computers, all sharing common disks, printers and other resources.

Although Athena has accomplished remarkable feats, it has fallen behind its original schedule.

From the beginning, "coherence" was a key goal of Athena. Programs written on the IBM equipment had to run on the DEC equipment, and vice versa. The final system of three thousand terminals and workstations was to consist of both DEC and IBM equipment. "Coherence" meant that the entire system had to run together without any problems.

Today, almost two years into the project, Athena has gone a long way toward accomplishing many of its goals.

Five Microvax 1's, 44 VAX 11/750s, and one VAX 11/780 serve 243 operational terminals at nine clusters. Many problems not anticipated have been uncovered and solved.

Athena's Failures

Although Athena has accomplished remarkable feats, it has fallen behind its original schedule. The current system bears only partial resemblance to its 1983 forecast.

Athena announced in the summer of 1983 that by January 1985 between five and eight IBM clusters consisting of over 500 IBM Personal Computers would be available for campus use. Athena also planned to give accounts to every undergraduate by that time.

Part of the reason behind the equipment shortfall lies with one of Athena's two major suppliers: IBM. According to sources both inside and outside of the project,

IBM has often failed to meet deadlines.

The IBM PC/XT was to be a shell within which the IBM Athena workstation was to be built. High-speed co-processor cards and high-resolution graphics boards were to be piggybacked onto the IBM PCs.

These plans fell through because of problems with the co-processor card. An idea was then proposed to network the IBM PC/XTs with IBM 4341 mainframes. The 4341s would have acted as file servers and network managers. IBM's role in Athena had to be rethought, over the summer of 1984, when it was decided that Athena would not be receiving the IBM 4341 mainframes the project had intended to use.

The IBM 4341 mainframes were cancelled for a variety of reasons. Foremost, Athena was not able to support the machines. Supporting these machines requires a specially trained group to operate and maintain the computers' hardware and software. Athena was already severely understaffed.

Additionally, single 4341 mainframes would have required more floor space than Athena had available for entire clusters.

But officially, Athena cited technical problems as reasons for scrapping the 4341s.

The Use of PCs

Although Athena is using 63 IBM PC/XTs in the clusters, the XT's are running terminal-emulation programs that make them functionally equivalent to Heathkit H19 terminals. The Heathkit terminals cost almost a fifth of the price. While students can run private software on the IBM PC/XTs, not many do. There is no official program to encourage this use.

There have been marginal benefits to using IBM PC/XTs as terminals. They are more rugged than most terminals. In addition, students may use the PCs floppy disk drive to augment their file storage limit by storing data on removable floppy disks.

This ability is important in light of the restrictive limits on file space in the new Student Center cluster [see Jan. 23, 1985 entry in accompanying Athena calendar]. Currently, two floppy disks will hold more information than the standard Student Center account.

The remaining PC/XTs Athena received are used as independent computers, and are not in place in the clusters. Some laboratories use the PCs as data acquisition devices. Other PCs are being used to run special stand-alone programs such as drafting software in the Department of Architecture.

The ultimate disposition of the project's 150 IBM PC/XTs has yet to be determined.

(Please turn to page 17)

Athena calendar

Compiled By Simson L. Garfinkel

Project Athena has been a part of MIT for almost two years. Projections made in the early days were not always accomplished. Here is a summary of what officials in the project have said, and what has happened.

May 27, 1983

MIT announced Project Athena, billing it as a large-scale experiment in integrating computers and interactive graphics.

International Business Machines Corp. and Digital Electronic Corp. would provide five employees each to the project. Between them, the companies would donate almost \$30 million in equipment to MIT.

MIT was expected to raise an additional \$20 million for the project on its own.

Gerald L. Wilson '61 said that Project Athena expected to receive 63 DEC VAX 11/750 and 11/730 minicomputers over the next two years, and 1600 advanced personal computers by 1988.

IBM was to provide 500 PC/XT's in the next two years, and another 500 advanced single-user systems by 1986.

DEC equipment would be used solely by the School of Engineering. The remaining schools, and the freshman class, would use IBM machines.

September, 1983

Prof. James D. Bruce '60, Athena's director of equipment installation, said that DEC had delivered 75 personal computers, terminals and workstations, and that another 75 were expected by the end of the term.

Negotiations between MIT and IBM began six months later than those with DEC, resulting in a delay in IBM's first shipment of PCs, which were now expected to arrive in January 1984.

Bruce said that the first phase of the project would be finished by September 1984, when 800 machines from the two companies were installed. At that time, IBM's computers would be connected in a network.

The final system, scheduled for completion in 1988, was expected to consist of 3000 machines.

Mid-October, 1983

MIT had acquired \$5 million out of the \$20 million it had to raise for the project.

The Project Athena Committee released in September "An Introduction to Project Athena," a report detailing its plans for the next five years.

The system would be "available to interested undergraduate students and faculty" by the end of the month (September 1983), according to the report.

Wilson said that Athena plans to connect the 500 IBM PC/XTs it expected to receive in 1984 in five to eight local networks by September of that year. Each network would have an IBM 4341 mainframe acting as a file server.

Wilson added that use of word processing facilities in April and May would be restricted. "If every student who had something to write used Athena," the use would overload the system, he explained.

Joel Moses PhD '67, head of the Department of Electrical Engineering and Computer Science, said at a faculty meeting that the initial Athena system would consist of UNIX, EMACS, Scribe, FORTRAN-77, C, LISP and Pascal.

February, 1984

Steven R. Lerman '72, director of Project Athena, said that "by January [1985] every undergraduate will receive an account for the Athena system."

Ramin Zabih '85, chairman of the Student Information Processing Board at that time, asked Athena to install terminals in the Student Center library. Bruce said that he was considering installing 70 to 80 terminals along with supporting minicomputers and a mainframe computer.

Two clusters were functioning at this time, in Buildings 1 and 11, according to a report in *Tech Talk*, and one was soon to come up in Building 38.

Athena promised eight DEC clusters, with 300 terminals, by December 1984.

In addition, there were to be eight to 10 IBM clusters operational by December. "Planned sites include East Campus [Sloan School] and the Student Center," said Lerman.

By this time, most of the software Athena had promised was in place, but more was needed. Lerman hoped to have most of the software by September 1984.

"We are in the process of negotiating for a statistical data package, a major graphics package, a complete business text processing system, a spreadsheet program, and software in symbolic math and database management," he said.

Summer 1984

Lerman announced Friday, July 27, that clusters in Buildings 38 and 66 would be on line in time for the fall semester, with the Student Center cluster due in September or October.

"Terminals will be woven in through the stacks, and the carrels will be converted to combination carrels and workstations," Lerman said.

(Please turn to page 17)

Athena Calendar

(Continued from page 16)

He said that clusters in Building 6 would be the next to go into operation. "These will be smaller, IBM-based clusters, with only 12 or so terminals," he said. "They will start with PC's and gradually evolve to more sophisticated, networked terminals."

Lerman said that the system would eventually have 2600 workstations and terminals (down from the September 1983 estimate of 3000 terminals).

October 17, 1984

Jerome H. Saltzer '61, professor of computer science, was appointed technical director for Project Athena.

Saltzer was to be responsible for the technical design of the system, according to Lerman. Lerman would remain the project's director, overseeing the operation's management issues and faculty grants.

October 30, 1984

Lerman admitted that Athena was "behind the schedule we were supposed to meet." The opening of undergraduate accounts would be delayed until February 1985.

The Student Center cluster would be opened in November, and not September or October as previously announced, Lerman said. The cluster would contain 30 DEC terminals, 30 IBM PC's running terminal emulation programs, and DEC VAX's. Lerman predicted it would have 107 DEC and 73 IBM terminals by the end of the term.

Lerman blamed IBM for the delay, saying that the change came about when the plan to use IBM 4341 mainframes to network the PC's was scrapped. He explained that the IBM mainframes were not designed to serve other computers but were designed to function independently.

A new plan to incorporate IBM equipment was announced by Lerman that called for the use of IBM PC/AT's. Athena already had 80 AT's, and an order was placed with IBM for another 80.

Eventually, Athena would switch away from the PC/AT's to more advanced workstations, Lerman said. These would consist of 32-bit processors, high resolution displays, one million bytes of memory and would run UNIX.

November 29, 1984

At a Project Athena forum, Lerman said that any undergraduate who wanted an Athena account would get be able to one by spring term, 1985. These accounts would all be located in the right wing of the Student Center Library.

Lerman said that there were currently 1600 Athena users, a number which he expected to double in the spring.

Lerman added that living groups would begin to get equipment in late 1986, and that it would take 1½ years to install all of the equipment.

January 23, 1985

Lerman pushed back the date that undergraduates would receive accounts to March 1985, saying that he would announce the opening with slides at LSC movies and announcements in *The Tech*.

Student storage would be limited on the new system. Most students with course accounts have 2.5 megabytes of storage, but the new accounts will only have 250 to 500 kilobytes, enough for 150 to 300 pages of typed text.

Cecilia R. D'Oliveira '77, manager of user services for Project Athena, said that delays were largely caused by the desire not to use IBM PC/XT's as computers but to wait for more advanced equipment.

"We are planning on using up to 200 PC/AT's to carry us through this year," she said, with 63 being used by faculty and Athena staff.

IBM placed a hold on the remaining shipment of 80 AT's until May, due to suspected hard disk problems. 17 of Athena's AT's have not been released, for similar reasons.

Athena: the five-year experiment

(Continued from page 16)

While Athena will likely meet its latest deadline to offer accounts to every undergraduate in the Student Center cluster, nobody knows what computing environment will result.

Most feel that while the Athena VAXs in the Student Center will be slow due to the high user load, they will still be faster than MIT's Honeywell MULTICS, the computer on which students have traditionally received free accounts for text processing.

Athena's Triumphs

The Athena staff has had a number of major triumphs in its two years of existence. The list includes:

● **X: The development of a networked window system (named X).** "X has been developed from essentially nothing," Douglas J. Wilson '78 said. Robert W. Scheifler '76, a staff researcher at the Laboratory for Computer Science, brought X into its final form. DEC has done additional work on the project and may market the program in the near future.

● **UNIX: The debugging of the majority of the UNIX operating system.** The source code supplied with the Berkeley Standard Distribution 4.2 UNIX operating system did not match the object code files which accompanied them. When the source files were compiled, they did not run properly. David G. Grubbs '76, Athena Systems Programmer, spent a considerable amount of time getting the operating system to compile and operate.

● **Reliability: The development of one of the most stable UNIXs in existence.** Athena machines rarely crash, and typically run until shutdown for maintenance.

● **Third party software: The debugging of a large body of third party software.** Although Project Athena has purchased and been given a good amount of third-party software, much of it has had to be debugged to get it to function properly.

● **Hardware installation: Installations of nine terminal clusters and six machine rooms across campus.** Athena has installed nine terminal clusters across the MIT campus, with almost 250 terminals total. Along with Information Services, it has installed a campus fiber-optic network which extends from 545 Tech Square to Building E40, with connections to Buildings 4, 11, 38, and the Student Center.

Athena Today

According to Doug Wilson, Athena is expecting 2700 users this term. Last Thursday, Athena registered 50 students an hour for course accounts.

Codex Inc. has joined IBM and DEC as a primary Athena hardware supplier, according to Wilson. Codex will design, with Athena staff, a new generation of network

Athena Clusters

As of Feb. 2, 1985

Cluster	VAXs	Terminals	Vax Stations	IBM/XTs	Max. Users	Local Printer?
1-131	7	19 ¹	8	1	28	yes
2-225	1	0	0	8	8	no ²
4-167	1	0	0	8	8	no ²
6-218M	2	0	0	15 ⁴	15	yes
11-113	6	19 ³	7	0	26	yes
38-344	5	12	4	0	16	yes
66-080	9	28 ⁵	2	5	35	yes
W20-500	6	20	12	10	42	yes ⁶
E40-440	6	27 ⁷	20	18	65	yes
Total	43	125	53	65	243	

Notes:

¹Includes 6 DEC PRO/350 Computers being used as terminals

²Users can pick up printed output from printers in other clusters

³Includes 8 DEC PRO/350 Computers being used as terminals

⁴The Building 6 Cluster also includes 8 IBM PC/AT computers

⁵Includes 8 VT100 terminals from Joint Computer Facility

⁶The Student Center Cluster also has a user-accessible tape drive.

⁷Includes 5 DEC PRO/350 Computers being used as terminals

(All figures are the result of direct observation on February 2, 1985)

"gateways" for use on the campus network. Until the Codex gateways are ready, Athena plans to use Microvaxes and PDP 11/23s as necessary.

Looking to the future

Athena is about to release a remote procedure call (RPC) compiler. This software package would allow programs running on one computer to call subroutines running on another computer. The release, which will include a complete programmer's manual, is scheduled for later this semester, according to Wilson.

The RPC compiler will allow programmers to "build distributed applications without knowing anything about networking," Wilson said.

Athena also plans to release INFORMIX, a new database system.

The project awaits the delivery of 80 IBM PC/ATs. These machines will run XENIX, a version of the UNIX operating system. Larry W. Allen, a staff researcher at LCS, recently wrote programs to allow the PC/ATs to communicate over the Athena network. IBM's Yorktown Heights research laboratory modified the programs at Athena's request.

The PC/ATs will support TCP/IP protocol as well as TELNET and TFTP (Trivial File Transfer Program) programs. The TELNET program allows a PC/AT user

to log onto any other Athena host, while the TFTP enables file transfer between the two machines, according to Wilson.

There could be a major change this fall in the way student accounts are distributed, Wilson said. Clusters in the Student Center, and Buildings 1 and 66 will most likely be dedicated to student use.

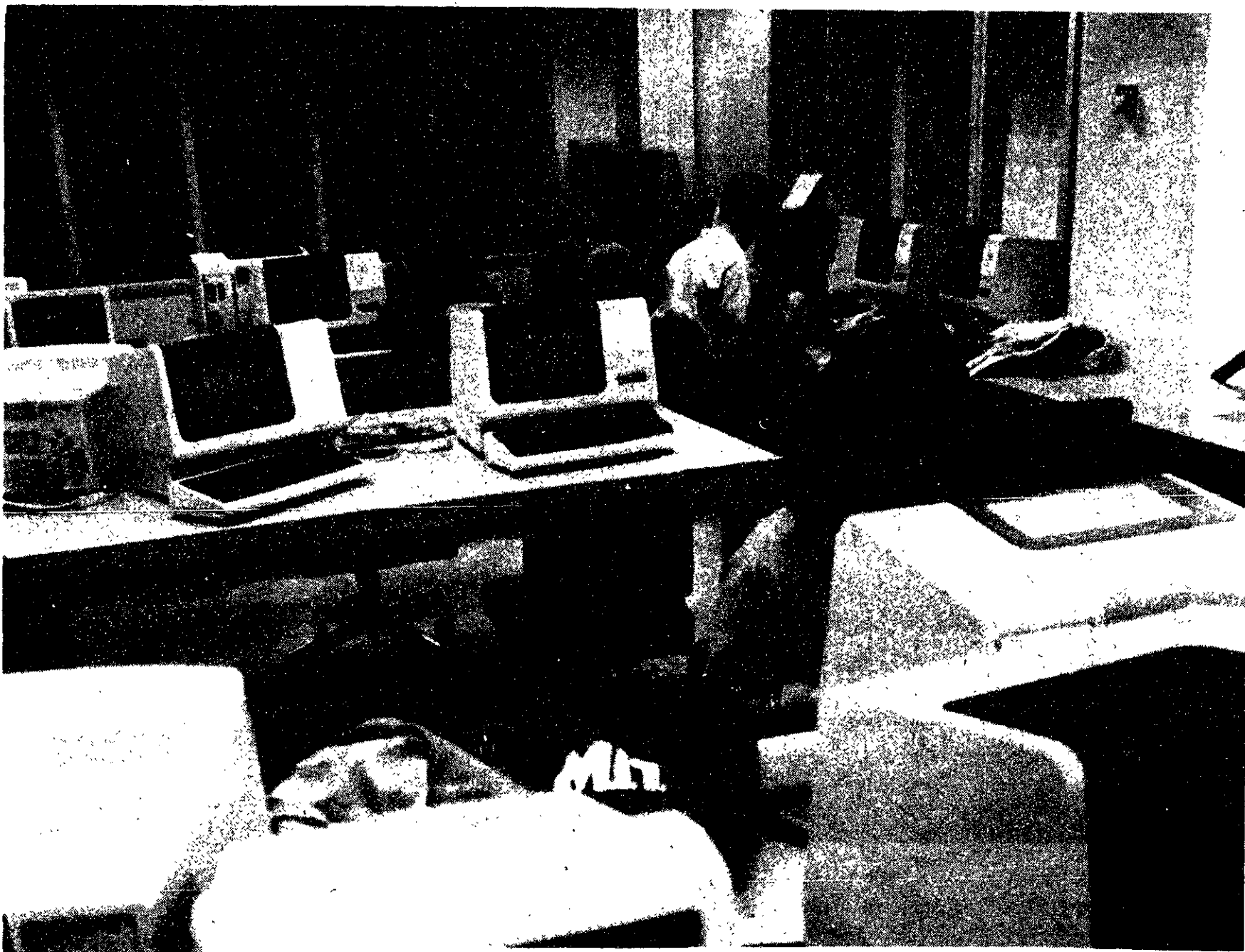
Course material will reside on special computers in these clusters, rather than in special clusters for courses as is now the case. Students will no longer own an account for each course they are taking. Instead, they will have one account with access to all course material they desire.

Conclusion

A conflict between the need to build a stable campus computing resource and the desire to experiment in the use of computers in education lies at the heart of Athena. Which is the real purpose of Athena?

"It's both," Wilson said. "The permanent campus resource is the network. The computer infrastructure is the network and the network services." Wilson has-tened to point out the large amount of course software which has already been written for the Athena system.

The Athena system is in a state of flux. Over the next few semesters, the emphasis will shift away from time-shared minicomputers to single-user workstations. The course Athena will take is still unknown.



Students use the Building 11 Athena terminal cluster.

Tech file photo by Joseph LaRococa

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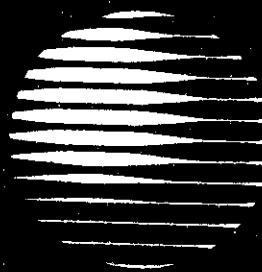
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sports

MIT's indoor track squad gains its first victory at Bowdoin since 1971

(Continued from page 20)

ning the 40-yard dash in 4.7 seconds. Joe Peters was right behind in second place in 4.8 seconds.

The Engineers held off the Polar Bears in the intermediate sprints. Mike Hammond '87 could not catch the leader in the 440-yard dash, and had to settle for second in 55.0 seconds. Charles Parrott '87 won his heat and placed third with a time of 55.7 seconds.

Dave Richards '86 had to fend off his challenger from start to finish in capturing the 600-yard run in 1:16.3. John Hradnansky '85 finished third in 1:18.9 in his first attempt at this distance.

The middle distance runners were another source of strength for MIT, as Ron Smith set a meet record in the 880-yard run with 2:00.3 despite some interference from a Bowdoin runner. Andrew Peddie '86 held off his challenger

and took third with 2:05.0.

Gordon Holterman led an Engineer sweep of the 1000-yard run in winning his second event of the day in an easy 2:21.5. Brian Callaghan '87 followed in second place with a strong 2:24.9, and Mike Halle '88 finished third, with his first varsity point, with a time of 2:35.4.

The two-mile runners also had a strong race, as Bill Bruno '85 and Eugene Tung '88 charged from behind with less than a quarter of a mile left, in a cat-and-mouse game with a Bowdoin runner, to finish first and second in 9:38.8 and 9:39.9.

MIT held back in the two final relays, but still managed to make them close. The mile relay team of Arenberg, Hradnansky, Peddie and Smith was edged out by two-tenths of a second. Smith's 52.9 second anchor leg, which would

have set another meet record in the open 440-yard dash, was not enough to overcome Bowdoin's lead in the race.

The two-mile relay team of David Schultz '87, Halle, Callaghan and Hinman also stayed close in another nip-and-tuck relay, but Hinman's strong anchor leg was not enough to pass Bowdoin, and MIT lost by 2 seconds in 8:40.6.

Coach Gordon Kelly was extremely pleased to break the Bowdoin jinx and was a little surprised at the Polar Bears' relatively poor showing. "It was as if Bowdoin was the visiting team," Kelly remarked.

The undefeated Engineers are gearing up for the New England Division III Championships Friday and Saturday at the duPont Athletic Center. MIT is looking to avenge its narrow loss to Brandeis in last year's championships.

Skelton, Peters win weight classes as MIT wrestling team places third

Two individual first-place finishes, three seconds, and a third powered the MIT wrestling team into third place at the Northern New England Championships hosted by Plymouth State last weekend.

Tim Skelton '85 won the 126-pound weight class, and Pat Peters '85 captured the 167-pound crown. Peter Wurman '87 (134), Steve Ikeda '85 (150), and Ed Cashman '87 (177) provided the second-place finishes.

Lowell Carson '87 placed third in the heavyweight division and led the tournament with three pins.

The wrestlers will end their regular season Friday, when they visit Western New England College. The following weekend the squad will travel to Wesleyan for the New England Division III Championships.

Swimmers split against Amherst

The men's swimming team won its second straight meet Saturday, defeating visiting Amherst, 61-54. The win upped the squad's record to 4-3.

The women, meanwhile, had their four-meet winning streak snapped, losing to the highly-regarded Lord Jeffs, 85-65. Their record is now 6-2.

Squash wins 1, drops 2 in tourney

The squash team hosted a round-robin tournament last weekend, and came away with a 1-2 record.

The Engineers lost to Bowdoin, 6-3, Friday but came back to defeat Fordham Saturday, 5-4. The squad finished the tournament with a close 5-4 loss to Wesleyan.

Brent Foy '85 was one of MIT's major threats, winning all three of his matches. Captain Dave Douglas '85 and Omar Masrur '88 each won two of three.

Hockey falls to Conn. College

The men's hockey team fell to 8-6 Saturday with a 5-4 overtime loss to visiting Connecticut College. The Engineers held a 4-2 lead going into the third period, but the Camels scored the next

three goals to gain the victory.

Women's hoop drops to 10-9

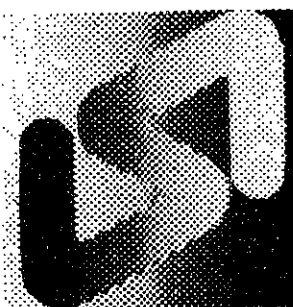
The women's basketball team dropped to 10-9 with a 71-43 loss to host Connecticut College Saturday. The squad needs to win one of its two remaining games to have its second winning season in a row.

Women gymnasts third at Albany

The women's gymnastics team traveled to New York last weekend and finished last in a triangular meet. Salem State won the event with 153.1 points, followed by host Albany State with 152.3 and MIT with 121.75.

Martin Dickau

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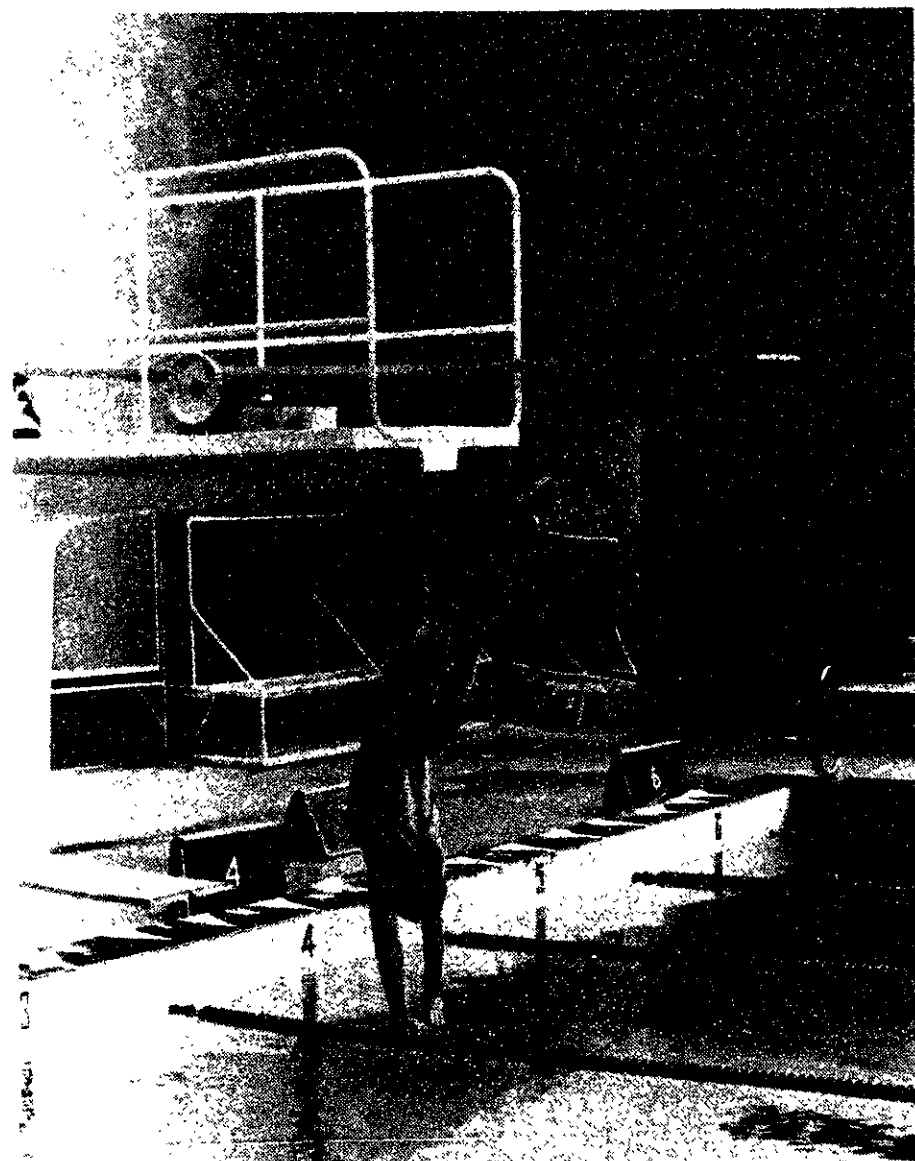
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Tech photo by Mike Frey

Kathy Millier '87 performs a dive off the 1-meter springboard during Saturday's meet against Amherst College.

sports

Nelson leads MIT basketball in win

By Paul Paternoster

Aggressiveness was the key to the Engineers' overwhelming 82-46 basketball victory over visiting Emerson College. MIT dominated both the offensive and defensive boards, accumulating 69 rebounds to Emerson's 40.

The tempo of the game was set early in the first half by forwards Bruce Mihura '88 and Evan Pratt '87, who out-hustled the Lions' starting five.

After allowing Emerson to stay close in the first couple of minutes, MIT exploded for 36 points in the first half, outscoring the hapless Lions by 17.

The opportunistic Engineers were sparked by Randy Nelson '86. With MIT leading 11-9 and Emerson threatening to tie the game, the 6' 3" guard from Buffalo, N.Y. stole the ball from a Lions player, strode down the court, and finished the play with an exciting slam-dunk.

Following that play, the team got fired up. They outscored Emerson, 25-10, to finish the half. The Engineers came out even more tenaciously in the second half, scoring as many points as the Lions did the entire game — 46.

Nelson finished with 18 points on the game, followed by Mike McElroy '87 (16) and Craig Poole '86 (12). Mihura led the team with 11 rebounds, followed by Poole (10) and the forward tan-

dem of Pratt and Charlie Theuer '85 (9 each).

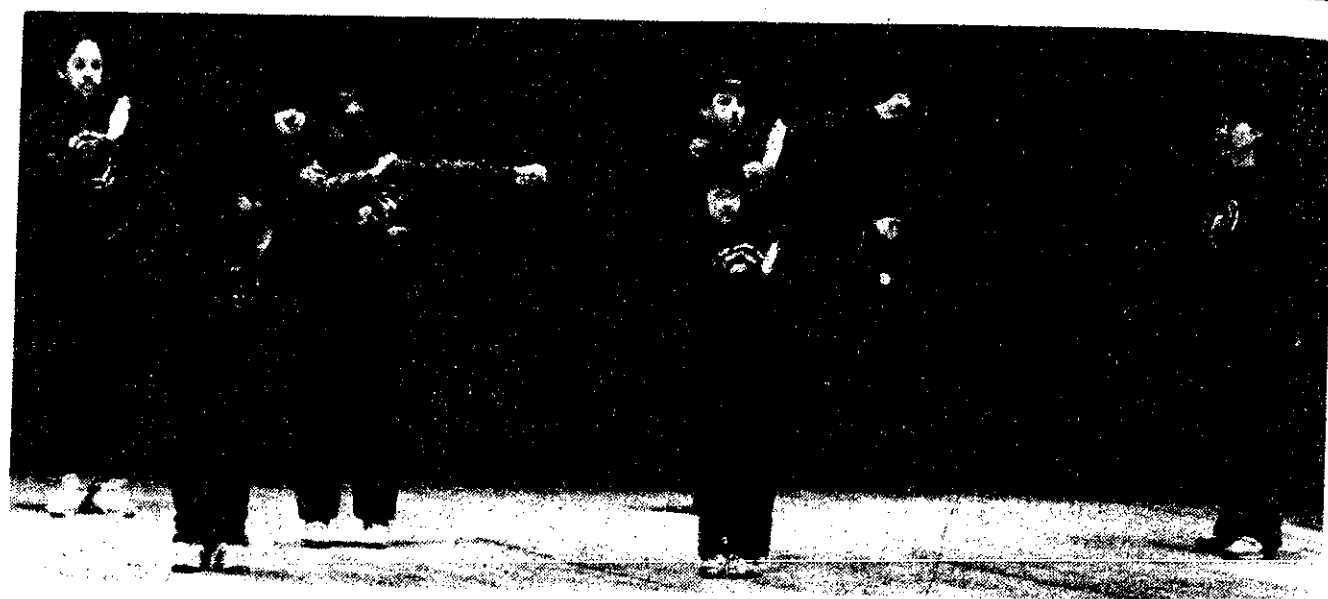
The victory increased MIT's record to 6-14. This record can be misleading when one tries to evaluate the team's performance. Six of the teams' losses were contests decided in the final 30 seconds of the game. Also considering that the Engineers only won two games last year, Coach Fran O'Brien is very pleased with the team's showing.

"I feel very positive about the progress the team has made this year," O'Brien remarked. In particular, he cited the improved play of Nelson and Pratt, and the leadership provided by the senior members of the squad on and off the court.

Although John Wolfe '85 did not see much playing time this year, his enthusiasm and hard work in practice rubbed off on the other players. "He always gives 120 percent," O'Brien commented.

The 13-year coach foresees the possibility of a .500 season next year. The team will have a nucleus of six experienced players returning next year — Nelson, Pratt, Poole, McElroy, Mihura, and Jim Egan '86.

The Engineers will be on the road for their remaining three games of the season. Their next game is Thursday at Worcester Polytechnic Institute. That match begins at 8 pm.



Tech photo by Stephen P. Berczuk
Under the supervision of Master Harn Lin-Linn, some Cambridge youngsters demonstrate what they have learned in three months of instruction by the Wu Tang Martial Arts Development Center. The demonstration was held Saturday in Kresge.

Unbeaten indoor track team beats Bowdoin Polar Bears

By Christopher Y. Kim
BRUNSWICK, MAINE —

The indoor track team broke a 14-year jinx at the Polar Bears' den, defeating Bowdoin on its home track for the first time since 1971.

Last Saturday's 92-43 victory ended the Engineers' dual-meet season. The win also extended MIT's unbeaten streak in dual-meet competition to 24 in 18 meets.

MIT dominated the meet, as host Bowdoin placed more than one finisher in only one event.

All three 35-pound weight throwers set personal records on their way to sweeping the event. Co-Captain Pat Parris '85 set a meet record with a winning throw of 60' 5". Greg Procopio '85 and

Bill Kelly '85 were right behind with throws of 53' 6½" and 47' 5½", respectively.

The Engineers secured the top two places in the shotput when Parris won on his last attempt with 44' 3". Procopio finished second with a put of 42' 4¼".

The other fieldmen held their own. Ed Freeman '86 finished second in the long jump with 20' 3¾", and Joe Peters '88 finished third with his final jump of 19' 10¾".

The Engineers fared better in the triple jump, as Ed Martin '85 won with 41' 2", and Kirk Beatty '85 took third with a jump of 40' 10½".

Co-captain Ron Smith '85 captured second in the high jump, clearing 6'. The pole vaulters

dominated their event, as Hugh Ekberg '88 and Ross Dreyer '86 finished first and second, respectively, with vaults of 13'.

The depth and strength of the Engineers' runners proved to be too much for Bowdoin to handle. Gordon Holterman '87 started off with a relatively easy victory in the one-mile run in 4:29.5. Rod Hinman '88 roared from behind to edge out his opponent for second in 4:31.6.

The short sprinters proved to be a source of strength to the team. Sean Garrett '88 had an easy victory in the 45-yard hurdles, winning by half a second in 5.9 seconds.

Ed Arenberg '85 returned from an injury layoff in fine form, winning (Please turn to page 19)

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