



Lisette W. Lambregts/The Tech
Rock & roll . . . Members of the band Back Bay Project jam during round three of the Battle of the Bands last Thursday. The action continues this Thursday at 9 pm in Lobdell.

Phase II deadline passes 107 have not attempted to complete requirement

By Earl C. Yen

One hundred and seven seniors have still made no attempt to satisfy Phase II of the Institute Writing Requirement, said Bonnie J. Walters, coordinator of the writing requirement, yesterday morning.

Sunday night was the deadline for seniors intending to graduate in June to submit a preliminary ten-page paper to the Writing Requirement Committee. Seniors who want to graduate in June can now meet the requirement only by enrolling before March 6 in:

- Scientific and Engineering Writing (21.780) or Workshop in Writing for Science and Engineering: English as a Second Language (21.339); or
- A cooperative writing

course such as Introductory Digital Systems Laboratory (6.111), Measurement and Instrumentation (2.671), or Unified Engineering (16.003/16.004).

The 107 seniors are those who have not submitted a paper, are not currently enrolled in a Phase II-related course, and have not been accepted into the Course VI-A graduate program. The Writing Requirement Office will not know how many of the 107 seniors will not graduate until after the March 6 add date.

The Class of 1987 is the first to be subject to the Institute Writing Requirement, which affects all undergraduates entering MIT since the fall of 1983.

The Writing Requirement Office received 212 papers from Thursday until the Sunday night deadline, Walters said. The office received significantly more papers than Walters expected. "The situation is a lot better than I predicted a week ago," she said.

In addition, 24 students have not completed Phase I of the requirement, Walters said. Phase I is most often satisfied with the freshman essay examination or a five-page paper from any MIT subject.

But the number of students who have not passed Phase I has "nothing of the seriousness of the Phase II problem — Phase II is clearly the worse situation," said Dean for Undergraduate Educa-

tion Margaret L. A. MacVicar '65.

MacVicar said she was "rather astonished that so many students waited to the last minute" to meet the requirement. Some students may have "misjudged the difficulty of completing the requirement." Other seniors may have been busy with their theses, she observed.

MIT has made a sufficient effort to inform seniors of the requirement, she said. Students have been aware of the writing requirement since taking the freshman essay during their first week at MIT. Also, the Committee on Academic Performance and the various departments have reminded students to complete the requirement, she said.

MIT will not consider exceptions to the requirement before June, MacVicar said. "Our first obligation is to people who have completed the requirement."

The administration has not yet decided how to deal with students who will not graduate in June, she said. In the past, a student who did not finish an Institute requirement would not graduate and would fulfill the requirement either in the summer or in the fall.

But MIT may consider "innovative and compassionate" ways of allowing students to satisfy the requirement in order to "keep to" (Please turn to page 2)

Project Daedalus sets records

By Jeff Gealow

Project Daedalus, the MIT human powered flight program, is preparing to recreate the flight of the Greek mythological character Daedalus this spring. Prospects are good that the team will be able to complete the 69 mile human-powered flight from Crete to the mainland of Greece, according to John S. Langford G, Project Daedalus program manager.

The team has been conducting tests with the Michelob Light Eagle, a prototype for its second plane, the Daedalus, which will make the flight from Crete to Greece. The Eagle was the aircraft which set four world records for human-powered flight January 21 and 22 at Edwards Air Force Base in California.

Should the Daedalus be successful, it would smash the Eagle's distance record for human-powered flight.

Glenn Tremml, 26, a University of Connecticut medical student, flew the Eagle to set a new world record for closed course distance — 36.4 miles. The previous mark had been held by Bryan Allen, who crossed 22 miles over the English Channel in 1979.

Tremml kept the Eagle aloft for over two hours until both his feet disengaged from the pedal shafts, forcing him to land, Langford said. The problem with the pedals has been fixed, he added.

He also experienced problems with the water supply system. The plane carried two liters of water, but Tremml was only able to drink about a cup and a half because of a jammed valve.

Lois McCallin, 29, a computer

programmer for Fidelity Investments in Boston, set three world records for female pilots: closed course distance — 9.6 miles; straight distance — 4.25 miles; and duration — 37 minutes, 52 seconds.

Both McCallin and Tremml were selected for their experience as fixed wing and glider pilots, and the physical endurance they have developed as runners and amateur triathletes, according to

(Please turn to page 2)



Project Daedalus
The Michelob Light Eagle on a test flight at Edwards Air Force Base in California.

Ballard discusses search for Titanic

By Catherine Su

Robert D. Ballard, head of the deep submergence laboratory at the Woods Hole Oceanographic Institution, discussed the role of optical scanning in the search for the Titanic on Tuesday at Kresge Auditorium. Ballard was speaking on "Deep Sea Exploration and its Role in Science and Society" as part of the MIT Collo-

quium Committee's Image Making Colloquium.

Ballard, a specialist on the mid-ocean range, was a member of the team that located the wreckage of the ship that sank 75 years ago. The new imaging technology described by Ballard made the feat possible after only five days of searching.

A team of French scientists had

failed to find the ship using traditional sonar methods. They spent large amounts of money installing global position satellites and 16 acoustic transponders. The scientists dragged their vehicle along over 80 percent of a 130 square nautical mile area, Ballard explained. But they could not locate the Titanic, and after six weeks of searching, the team considered doubling the search area.

The new optical scanning technique used by Ballard's group permits areas to be examined quickly and makes detail more readily apparent, he said. Sonar requires that a target be carefully studied to overcome the effects of topographical shadowing. Also, debris not detected by sonar can be resolved with visual imaging. Because of a debris field around the ship, the optical imaging method raises the probability of locating the ship.

The search group used an unmanned imaging studio that filmed the ocean floor from a height of between 30 and 35 feet using a film speed of 200,000 (Please turn to page 12)



Zev Waldman/The Tech
Robert D. Ballard describes the search for the Titanic.

MIT depends on federal and industrial funding

By Robert E. Potter II

MIT is heavily dependent upon federal and industry support for both its research and professors, according to Kenneth A. Smith '58, associate provost and vice president for research. Last year, the federal government alone provided \$201 million of MIT's total research grants of \$256 million, making the Institute second in federal aid to Johns Hopkins University.

Smith said that the chief sources of federal monies were, in order, the Department of Energy, the National Institute of Health, the Department of Defense, and the National Science Foundation. The distribution of federal funds to the various schools is about 30 percent to engineering, 35 percent to science, and 30 percent to interdisciplinary programs, Smith continued.

The University of Wisconsin, Cornell, and Stanford are the universities which receive the next three highest amounts of federal support.

MIT brings in the most from industry, Smith said. Georgia Tech, Penn State, Cornell, and Carnegie-Mellon were next highest in this category.

MIT, in the years since World War II, has depended for its funds primarily on "soft" money, as opposed to "hard" money. Soft money consists of individual donations and grants, as well as payments for research. Hard-money comes from MIT-owned sources, such as tuition and investments.

Despite overall federal cutbacks to education, research grants are still available. A Pentagon panel recently suggested the establishment of eight university centers for semiconductor

technology. The panel's call for \$50 million to train experts in the field is motivated by fears about Japanese competition. James D. Meindl, provost at Rensselaer Polytechnic Institute and a member of the panel said, "There was no question that the semiconductor industry had problems and that US leadership was eroding. It was plain to everyone."

While federal and industry funding is presently available, the Institute wants to secure independent sources of support to ensure a stable flow of funds. President Paul E. Gray '54 said the Institute seeks to raise \$550 million for its endowment.

MIT's drive is part of a general trend among US colleges and universities to add to their resources.

The Chronicle of Higher Education reported that Duke University was promised \$20 million for twenty endowed professorships. This donation is one indication of the 27 percent increase in total gifts to colleges and universities in fiscal 1986. The Chronicle also said that the universities averaged a 26.1 percent return on their investments.

inside

British bands play the Spit in Boston. Page 9.

MIT Community Players present *The Lady's Not for Burning* at Kresge Little Theatre. Page 9.

Holography discussed at MIT Image Makers Colloquium. Page 12.

Writing requirement deadline passes

(Continued from page 1)

the letter and spirit of the requirement and to avoid imposing harsh financial inconveniences" on students, MacVicar said.

One idea is to allow students to send in papers during the summer and to charge students only a small processing fee. Another possibility would be allowing students to take a writing course at another school. MacVicar stressed, however, that the CAP has made no decisions on how to accommodate students who do not graduate in June.

There is also a "vast difference of opinion" among the faculty as to whether MIT should inform parents of students who will not graduate in June, MacVicar said. MIT's general policy has been to communicate only with students, but "some parents may be surprised when they find their kids aren't graduating," she said.



19 minutes to spare . . . John Kramarsky '87 turns in his Phase II paper to Bonnie J. Walters, coordinator of the writing requirement, at 11:41 pm on Sunday night.

Project Daedalus team sets records

(Continued from page 1)

a Project Daedalus press release. Keeping the 88-pound airplane aloft is equivalent to pedaling a bicycle on level ground at a constant rate of about 25 miles per hour. In flight, the aircraft flies at about 15 miles per hour, 10 feet above the ground, the release said.

The *Eagle* was designed to have three times the range, 30 percent more speed, 50 percent more strength and yet require 15 percent less power than the plane used to set the previous world distance record.

Project Daedalus is organized into three phases: a feasibility study completed in April 1986, the construction and testing of the Michelob Light *Eagle* which

was concluded in January, and the construction and flight of the Daedalus aircraft.

The first phase was sponsored by the Smithsonian National Air and Space Museum and MIT. Anheuser-Busch Companies, Inc. sponsored the second phase.

The Project has not yet found

a sponsor for the third phase of the project, but has several good prospects, Langford said.

The Project Daedalus Team is made up primarily of MIT students and professors. One of the project's biggest challenges is to maintain its emphasis on student involvement, Langford said.

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TO THE MIT COMMUNITY

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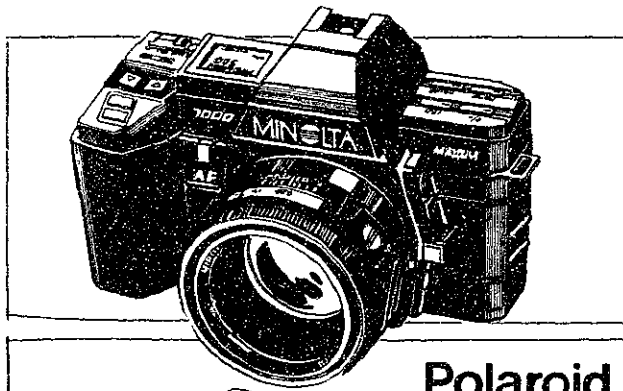
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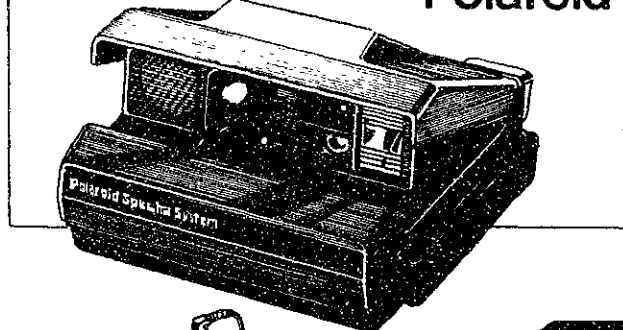
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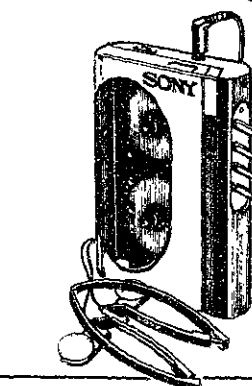


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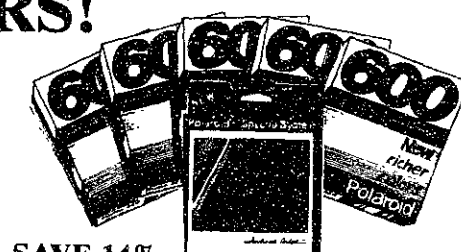
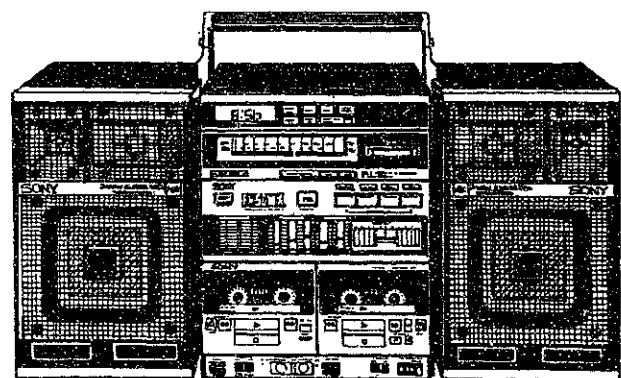
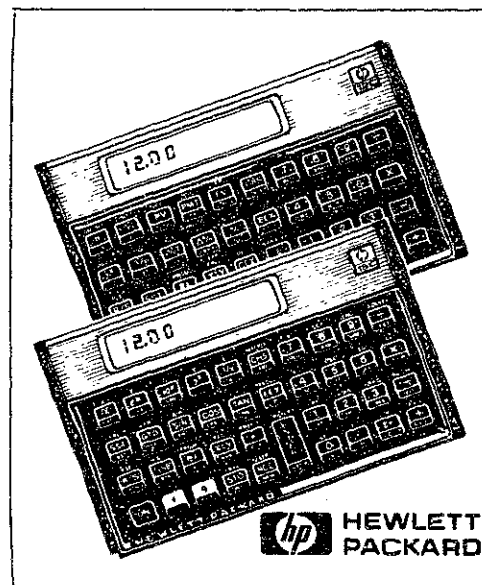
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news roundup

from the associated press wire

World

CIA, FBI stratagem for ransom goes awry

A report in yesterday's *The New York Times* said that the CIA and FBI planned a hostage rescue attempt, coordinated by a group directed by Oliver North. The report said a multi-million dollar ransom was to be paid for Peter Kilburn, held as a hostage in Lebanon. The money was to be chemically treated to disintegrate after several days, leaving the kidnappers with a suitcase full of confetti. But according to unnamed sources, the United States bombed Libya as ransom negotiations were under way, and Kilburn was killed several days after the raid. (AP)

Iran and Iraq both claim major victories in war

Diametrically opposite claims emerged from the Persian Gulf war on Sunday. Iran claimed its forces captured strategic points near the Iraqi city of Basra and killed or wounded more than 1500 enemy soldiers. Iraq claims that it completely wiped out the Iranian forces. (AP)

Shultz meets with Chinese officials

The Iranian arms sale continues to dog US Secretary of State George P. Shultz PhD '49 even though he is halfway around the world. Shultz, in the middle of a six-day trip to China, met yesterday with his Chinese counterpart to ask that China halt its arms shipments to Iran — and was likely asked in return to explain the Administration's own sale of weapons to that country.

At a banquet speech in Beijing Sunday, Shultz said that hard work and open, effective channels of communication are necessary to deal with problems between China and the United States. (AP)

Foreign ministry official reports Soviets may leave Afghanistan

The Soviet Union has a plan to withdraw all its troops from Afghanistan within 22 months, according to an unnamed foreign ministry official in Thailand. Soviet Foreign Minister Eduard Shevardnadze told him about it during a visit to Bangkok, the official said. There is no confirmation from the Kremlin, but the Soviets have encouraged speculation that they will speed up their announced plan for pulling out within four years.

The Soviet Union has occupied Afghanistan for the past seven years. (AP)

USSR makes new arms proposal

The Soviet Union has dropped its demand that an agreement on medium-range missiles in Europe be linked to limitations on US "Star Wars" testing. Many NATO officials have welcomed the move. Superpower arms negotiators will hold a special meeting in Geneva tomorrow to discuss it.

Arms-negotiation teams from the United States and the Soviet Union began talks in Geneva in a special session yesterday to discuss the new proposal.

Assistant Secretary of Defense Richard Perle called the announcement "a constructive step" that should open the way, ultimately, to a treaty. Senator Richard Lugar (R-IN) said he thinks it is possible that an arms-control treaty will be ratified during the Reagan administration. Lugar welcomed the Soviet arms proposal, but warned that it may be aimed at mobilizing European opposition to the US Strategic Defense Initiative.

Caution about agreeing too quickly to the Soviet proposal came from several quarters before yesterday morning's brief session. Chief US negotiator Max Kampelman said he thought it was "an old proposal rehearsed." But it was a proposal the United States was glad to get, he said. US officials said that they would insist on parity in the area of short-range missiles and stricter verification if a treaty is signed. (AP)

France fears renewed terrorism

Security is tight along French borders and at Paris airports. Following the sentencing Saturday of a convicted Lebanese assassin to life imprisonment, the government fears retribution from his terrorist group. George Ibrahim Abdallah, a self-described "Arab fighter," was found guilty of complicity in the 1982 murders of Lt. Col. Charles R. Ray, an American military attaché, and Yacov Barsimantov, an Israeli Embassy official.

The chief prosecutor in the case had asked for leniency on Abdallah's behalf, claiming that a harsh sentence would provoke acts of terrorism against French citizens. But the court headed pleas for a life sentence by the lawyer representing the United States, which had involved itself in the case as a civil plaintiff.

Parisians interviewed over the weekend said they expected incidents of terrorism to rise, but a majority supported the court's decision. (AP)

Nation

Regan resigns; Baker will be new chief of staff

Former White House Chief of Staff Donald Regan handed President Reagan a one-sentence resignation on Friday. His resignation follows the Tower commission's caustic report on White House actions in the Iran-contras affair. But Regan had considered resigning months ago, President Reagan said.

Former Senate Majority Leader Howard Baker began his duties as the new White House chief of staff yesterday. Accepting the position will mean that he will not run for president in 1988, Baker said. (AP)

Controversial CIA nominee backs out

Robert Gates, deputy director of the CIA, has requested that his nomination to be director of that agency be withdrawn. In a statement yesterday, President Reagan agreed that a long confirmation process would hurt the country and the CIA. White House Chief of Staff Howard Baker read Reagan's letter describing Gates as a "remarkably talented and dedicated man." The President's letter said that Gates will continue as deputy director. However, the White House did not announce who will be the new nominee for CIA director.

The withdrawal of the Gates nomination follows last week's critical report by the Tower Commission. President Reagan has yet to respond to that investigation on the Iran controversy, but he is scheduled to make a nationally broadcast speech tomorrow night. Baker acknowledged that the President was "damaged" by some parts of the report. But Baker added that it is "important to observe he survived." And Baker said he is confident Reagan will "resume his role as a popular and very effective president." (AP)

National Weather Service experiences telemetry error

Yesterday morning, a bulletin from the National Weather Service reported that Illinois had been destroyed by a tornado. The bulletin was intended as a test, but instead was sent to hundreds of midwestern radio and television stations. Yesterday afternoon, as part of "Tornado Preparedness Week", a thunderstorm warning was sent for parts of Illinois's Lake and Cook Counties — where sunny skies and 40-degree temperatures prevailed. (AP)

Science

Supernova demonstrates unusual behavior

A supernova explosion close to Earth has added a new light to the night sky in the southern hemisphere. Astronomers estimate that the star is 163,000 light-years from Earth. It is the closest and brightest recorded supernova since 1604. Surprisingly, the star has apparently stopped increasing in brightness, and it seems to be shifting its color from blue to red. Astronomers have tentatively concluded that the explosion is expanding at the rate of 9300 miles per second, which is an extraordinarily high speed for a supernova explosion.

The recent events are important because they may provide answers to major questions about the role of supernovas in the development of the universe. (*The New York Times*)

Mississippi hit by tornado

The skies over Laurel, MI were sunny yesterday as the town began recovering from Sunday's tornado. Governor Bill Allain (D) said it looked more like the aftermath of a hurricane than a tornado because everything was "flattened out." The tornado left eight people dead and millions of dollars in damage in its 20-mile-long, two-mile-wide path of destruction. (AP)

IRS announces simpler W-4 form

The Internal Revenue Service said Sunday that it will put out a simpler W-4 form next week. There have been numerous complaints that the new four-page form, which the IRS released last November, is too complicated. Either version can be used, but the more complicated one is more accurate in nailing down how much federal income tax should be withheld from paychecks, an IRS official said. (AP)

Gasoline prices likely to drop

Oil industry analysts say that gasoline prices ought to be headed down again, thanks to cuts in crude oil prices worldwide. Some predict that prices will drop about six cents per gallon in the next few months. (AP)

Fallout over Tower report continues

While President Reagan spent the weekend looking over the Tower Commission report, members of that panel and one former hostage were reviewing his leadership abilities.

Former Secretary of State Edmund Muskie said the Tower Commission was shocked by what the President couldn't remember. The commission was also appalled at Reagan's inability to recall significant details in the Iran-contras affair. Lt. Gen. Brent Scowcroft agreed that President Reagan had no idea of many of the things he was told about in meetings with the Tower review board. Scowcroft added that Reagan was angry about what had gone on in the Iran-contras affair.

A Lebanon hostage freed last July also questioned the President's credibility. Reverend Lawrence Jenco has said he would rather have remained a hostage than to be traded for weapons. The Tower report says Jenco's freedom came two days after Iran paid for missile parts. However, Jenco said yesterday that he believes President Reagan will admit the arms deals were a mistake and "move on." (AP)

Tower report in paperback

If you want to know more about the Tower Commission's report, you can get a copy of the entire thing at your local bookstore. Bantam Books released it in paperback yesterday. The book came off the presses just two days after the government printing office produced the original. (AP)

Nixon asks United States for paper compensation

An attorney for former President Richard Nixon argued in court yesterday that Nixon deserves compensation for his private papers now held by the National Archives. Nixon's lawyer did not say how much money the former president is seeking, but sources in the Justice Department report that it would be a "windfall." The Department opposes the unusual demand.

Nixon resigned in August 1974 while facing possible impeachment for his part in the Watergate scandal. (AP)

Local

Wellesley loses last theater

The last movie theater in Wellesley has closed its doors after 65 years. The Wellesley Community Playhouse, a family theater, showed its final film last night. The theater was started by Danish immigrant Adolph Bendsley and in recent years was run by his granddaughter, Leslie Spencer. Spencer said the theater has been sold to a Boston developer for conversion to a shopping mall. The last children's theater party was held yesterday afternoon. (AP)

Sports

Astros pioneer new form of compensation

The Houston Astros got the relief pitcher they wanted, but only after coming up with a real sweetener — 37 boxes of orange flavored Jell-O. It seems that reliever Charlie Kerfeld wanted more than the \$110,000 salary the baseball club offered him. Why the Jell-O? Kerfeld says some unsuspecting reporter or coach can expect to be jiggling his way out of the stuff later this season. (AP)

Weather

A touch of winter

It seems that the nearer we get to spring, the more winter-like our weather becomes. After a little light snow this morning, our weather will become dry but cold for the rest of the week. At least there should be plenty of March sunshine after today which will make conditions somewhat tolerable.

Tuesday: Some light snow until early afternoon, maybe one-half inch or so. Highs near 30 °F (-1 °C)

Tuesday night: Clearing and cold, low near 20 °F (-7 °C)

Wednesday: Mostly sunny, high near 35 °F (2 °C)

Thursday: Sunny, high 35-40 °F (2-4 °C)

Friday: Partly sunny, high near 40 °F (4 °C)

Forecast by Chris Davis

Compiled by Robert Adams and Niraj Desai

opinion

Overcrowding hurts students

(Continued from page 4)
environment," "Below are three circles: spending only 30 seconds on each, decorate them any way you want to," and "List ten of your favorite things."

I eventually got into Creative Seeing off the waiting list, but the incident scared me away from a Visual Arts concentration, not to mention a possible major.

Science and engineering classes are overcrowded, too. I found out the hard way that 6.163 Strobe Lab posts a sign-up list in Strobe Alley. You have to sign up a term in advance to get in. The Course Bulletin should mention this, but it only says "Permission of instructor required." Who would guess that you have to wait a term to get permission?

A requirement in Course II, 2.86 Manufacturing Processes and Systems Lab, has to punt students each spring. All juniors were allowed in, but only some of the sophomores, chosen randomly.

My roommate was one of those punted last year; she and

the rest of the punted sophomores received a letter from Professor Ernest Rabinowicz promising that they would never be punted from another Course II class. Nice, although 2.86 seems to be the only Course II class that ever has this problem.

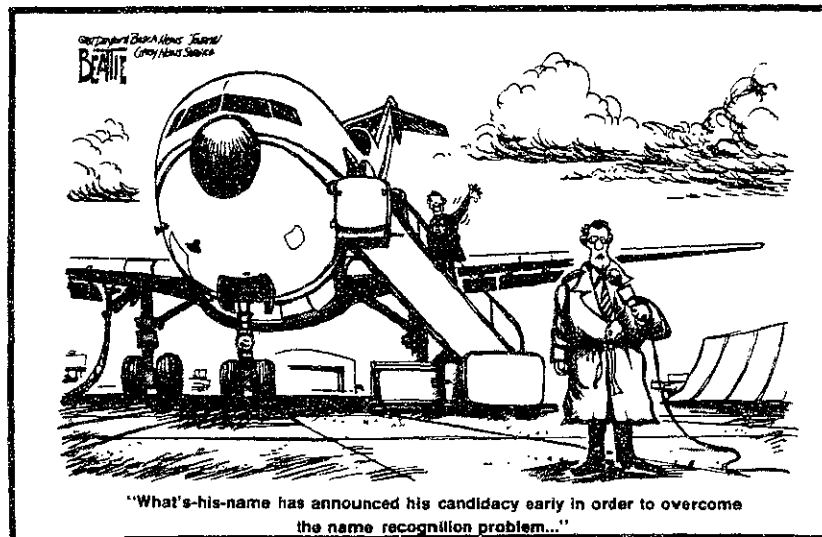
Solutions

What should be done? First of all, it would be a lot easier on students and professors if there were some standardized way to decide how to cut down a class when necessary. One good method would involve a lottery with preference given to students who have a special need to take the class (like seniors, or those who needed the class to fulfill a requirement), or who have been punted from it previously. I'd just like to see someone looking into the matter.

Secondly, students ought to be made aware of which classes are consistently limited in enrollment, in order to help them in planning their schedules.

By using specific examples, I wanted to start alerting students to the oversubscribed classes. But a place that is much more appropriate for such information is the Course Evaluation Guide. This term I will spend my "extra" time — I never did find a class to replace 9.70 — working on the course guide toward that goal.

Shari L. Jackson '88, a computer science major, is the advertising accounts manager of The Tech.



WMBR funding purposely limited

To the Editor:

I would like to clarify a couple of the points presented in the Feb. 24 article, "WMBR will begin news program after a long halt."

The statement that the cost of the Associated Press wire service represented one-fifth of the total funding supplied by MIT to

WMBR is not quite correct. The one-fifth figure referred to the period when the total cost of the wire was shared by WMBR and The Tech. Since we were only paying for half of the cost, the total cost of the AP wire would actually be approximately two-fifths of our annual funding from MIT.

Second, the article stated that I said, "funding problems would be alleviated if WMBR were able to advertise." This would seem to imply that I believe that WMBR should be a commercial station. This is not the case.

Commercial radio stations, in order to obtain funding, must constantly struggle to raise their ratings to gain greater advertising support. As a result, most commercial stations gear their programming towards the lowest common denominator of radio listeners.

On the other hand, non-commercial stations, such as WMBR, are free from these constraints and can provide radio programming which is unavailable anywhere else on the dial. I would much rather continue WMBR's tradition of innovative programming than turn it into "just another commercial station."

Steve D. Penn G

Shawn Mamros '88
General Manager, WMBR

feedback

Professors should participate in "Teaching on Racism at MIT"

To the Editor:

What is racism? Most of us are sensitive to the overt aspects of racism, but racism has a more subtle and insidious side that has penetrated nearly every facet of our society. Together, as a society, we need to combat it.

Fortunately on March 4, faculty and students have the opportunity to discuss racism — in our

lives, in our classes, and in our future.

A series of open community discussions have been organized by faculty members. Ask your professors what they have planned for March 4, and encourage them to join with you in "Teaching on Racism at MIT."

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 publisher, editor in chief, managing editor, news editors and opinion editors.

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

Letters to the Editor are welcome. They must be typed double spaced and addressed to The Tech, PO Box 29, MIT Branch, Cambridge MA 02139, or by interdepartmental mail to Room W20-483.

Letters and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. No letter or cartoon will be printed anonymously without express prior approval of The Tech. The Tech reserves the right to edit or condense letters. We regret we cannot publish all of the letters we receive.

THE MASSACHUSETTS BETA CHAPTER OF TAU BETA PI WELCOMES ITS NEWLY INITIATED MEMBERS:

Ella Atkins
Paul Beckmann
Jeffrey Bons
Jerrold Boxerman
Gillian Brown
John Bulzacchelli
Lawrence Candell
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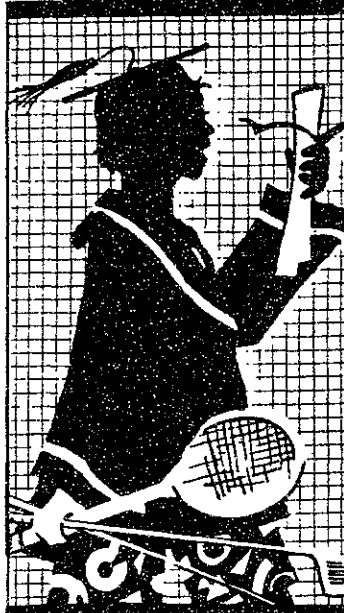
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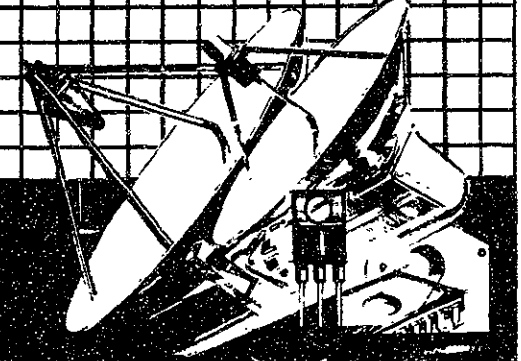
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TOP CALLERS OF THE WEEK

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opinion

Women should get a head start

(Continued from page 4)

would tolerate it no longer. At the time, I felt that if I didn't use any physical restraint, she wouldn't have taken me seriously.

That evening, she complained to the Head of House that I hurt her. The Head of House then told me that I was wrong to use violence. I felt that the Head of House didn't understand the whole situation, so I called down the group of women who were harassing me so we could discuss the issue in front of her.

What happened was shocking. The Head of House and the students continually accused me of being violent. The students said that they treat their friends the same way they were treating me. They also asked me, "How can you expect us to be friends with you if we've only known you for a few weeks?"

It didn't matter that I felt like I was being treated like a male object rather than human being. I was wrong since I was male. Psychological tests have proven that I am violent and insensitive so there was nothing I could say in defense of myself. I was the lone male in a female-dominated world.

People spread rumors that I might be expelled from Wellesley for this incident. But nothing happened. I was lucky.

Months later, I can laugh. Laugh because the situation was so absurd. Laugh because nothing like this would ever happen to me in 20th and 21st century America. But, as a friend at Wellesley pointed out to me, she must face up to such discrimination every day in the "real" world. She is singled out because men have a wealth of evidence

with which they can label her — in a court of law, in a business situation, and even in her personal life.

She is wrong when she is raped because she wears provocative clothing and flirts, just like it was my fault for being harassed because I wore cute pajamas and flirted with the women.

She is fired when a company goes bankrupt because her presence distracts men from their work obligations. Of course, it is okay for a male manager to flirt with his subordinates, but when women do the same, it is intolerable.

When she works as a manager, men call her "cutie" and refuse to acknowledge her superiority. She belongs in the home because anthropologists have concluded from their evidence that prehistoric women survived because the men went out to hunt while they scrambled for fruits, nuts, berries, and protected their children at home.

When her boyfriend or husband beats her up, it is her fault for being concerned about irrelevant, petty matters. She screams at him for being insensitive, and he insists that she is getting out of hand and being irrational, and the argument goes on from there and escalates into a major conflict.

I am reminded daily of these tragedies in my Wellesley classes, on the bus rides back to Wellesley Friday and Saturday night, while talking with friends, and through personal experiences of discrimination that occur since I'm a minority at Wellesley. It shocks me when I take time out to consider the implications of what I see, hear, and feel.

With this in mind, I reconsider Hu's column. He implies that if MIT favors female applicants over male applicants, perhaps this is reverse discrimination. But isn't it about time we give women a fair chance in our society?

Martin Luther King discusses the issue of reverse discrimination in *Why We Can't Wait* as such:

"Whenever this issue of compensatory or preferential treatment for the Negro is raised, some of our friends recoil in horror. The Negro should be granted equality, but he should ask nothing more. On the surface, this appears reasonable, but it is not realistic. For it is obvious that if a man entered at the starting line in a race three hundred years after another man, the first would have to perform some impossible feat in order to catch up with his fellow runner."

A very similar situation exists today for women, except they have barely been given a chance to start millions of years after men. It's about time we give them a head start.

If we men give women a chance to prove that they are just as intelligent and capable as men, and if we treat them as human beings just like us, they will prove to do so. This requires that we men step down from the pedestals that we have built out of scientific chauvinism and show that we really care about the fate of women whose thoughts and feelings we have ignored and ridiculed for ages. We must accept them as equal human beings who deserve equal representation in our society.

Eliot Marx '89

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ARTS

Ongoing

THEATER

*** CRITIC'S CHOICE ***
The battle of the sexes becomes a battle over sex in Salem State Theatre's production of the classic Greek comedy, "Lysistrata," showing March 5 through 7. At the Mainstage Theatre of Salem State College, 352 Lafayette Street, Salem. Tickets: \$3 general, \$3 seniors and children. Tel: 744-3700.

"Candida," by George Bernard Shaw, is a comedy about a very wise and desirable woman surrounded by her husband and a very brash young man infatuated with her. At the Lyric Stage, 54 Charles St., Boston, through March 8. Call 742-8703 for performance times and ticket prices.

The American Repertory Theatre presents the premiere of Ronald Ribman's "Sweetie at the Richelieu," a play set in a gracious and elegant European spa which features a cast of bizarre, touching, and mysterious characters. Continues through March 15. Also being shown is "The Day Room," by Don DeLillo, a comic puzzle about two men sharing a hospital room who worry that "all the ward's a stage." Continues through March 18. Also being presented is "End of the World with Symposium to Follow," by Arthur Kopit, a darkly funny play about how our nuclear strategy can thrill us to death — a comedy of annihilation where show business contemplates the Big Sleep. Through March 18 at 64 Brattle Street in Cambridge. Tickets: \$12-\$15. Telephone: 547-8300.

"Nite Club Confidential," by Dennis Deal, is a fresh, funny, fast-paced musical that parodies the sophisticated night club scene. At 7:30 pm at the Next Move Theatre, One Boylston Place, Boston, for a four-week engagement. Tickets: \$19.50-\$26.50. Telephone: 423-5572.

"Forbidden Broadway 1987," the newest updated version of Gerard Allessandini's hit musical comedy revue, is being shown at 7:30 pm at the Terrace Room of the Park Plaza Hotel. Tickets: \$15-\$21.50. Telephone: 357-8384.

EXHIBITS

Exhibited at the Weiner Gallery, on the 2nd floor of the MIT Student Center, is "Image-Making Colloquium," winning entries from the contest. Continues through March 11.

"Images for Survival," a poster exhibition commemorating the 40th anniversary of the dropping of the atomic bomb on Hiroshima, continues at the Compton Gallery between Lobby 10 and Lobby 13 until March 20. No admission charge. Telephone: 253-4444.

An exhibition of paintings by Michael Russo continues at Northeastern University Art Gallery, 213 Dodge Library, through March 21. Telephone: 437-2355 or 437-2347.

"Power & Gold: Jewelry from Indonesia, Malaysia, and the Philippines," an exhibition of jewelry from Southeast Asia presented in the context of village cultures where ritual jewelry embodied a deeper cultural significance, continues at the Museum of Fine Arts until March 22.

An exhibit of plaster reliefs by Julie Graham continues at the Northeastern University Richards Gallery through April 3. Telephone: 437-2249.

"Elegies: Sleep • Napalm • Night Sky: Works from Twenty-Five Year" by Rudolf Baranik continues at the Boston University Art Gallery, 855 Comm. Ave., Boston, through April 5. No admission charge. Telephone: 353-3329.

"Tony Smith: The Shape of Space," an exhibition celebrating the monumental painted steel sculpture "For Marjorie," continues at the Bakalar Sculpture Gallery at the List Visual Arts Center, 20 Ames Street, until April 5. Telephone: 253-4400.

"Krzysztof Wodiczko: Counter-Monuments," a presentation of large photographic documentation of projected slides on buildings, continues at the Hayden Gallery at the List Visual Arts Center, 20 Ames St., until April 12. Telephone: 253-4400.

"Out of Eastern Europe: Private Photography," a selection of "semi-official" contemporary photographs by independent artists from East Germany, Czechoslovakia, Hungary, and Poland, continues at the Reference Gallery at the List Visual Arts Center, 20 Ames Street, until April 12. Telephone: 253-4680.

"Glass Works," an exhibit by Diane Wignall, continues at The Boston Gallery, 300 Walnut Avenue, Roxbury, through April 12. Admission: \$1.25 adults, 50¢ seniors and children. Telephone: 442-8614.

*** CRITIC'S CHOICE ***
The latest work by Richard Avedon, photographs entitled "In the American West," continues at the Institute for Contemporary Art, 955 Boylston Street, Boston, through April 26. Open Wed through Sun — 11 am to 5 pm, Thur and Fri — 11 am to 8 pm. Admission: \$3.50 adults, \$2 students, \$1 seniors and children. Telephone: 266-5151 or 266-5152.

The exhibition of important drawings from the late fifteenth to early twentieth century, entitled "Selected Drawings from the Collection," continues at the Isabella Stewart Gardner Museum, 2 Palace Road, Boston, until June 1. The exhibit includes Michelangelo's late "Pietà" and Raphael's "Papal Procession." Admission: \$3 suggested donation. Telephone: 566-1401.

FILM

"Rate It X," a film with a unique look at sexism in America, kicks off the Somerville Theatre's annual Women's Film Series, this year entitled "Shattered Illusions." Continues through March 5.

At 55 Davis Square just by the Davis Square T-stop on the red line. Telephone: 625-1081.

Tuesday, March 3

CLASSICAL MUSIC

"Ein Liedabend," an evening of solo works, is performed at 8 pm at the Boston University School of Music Concert Hall, 855 Comm. Ave., Boston. No admission charge. Telephone: 353-3345.

FILM

*** CRITIC'S CHOICE ***
The Harvard Film Archive continues its Tuesday series French Films with Max Ophüls' "Lola Montes" (1955) at 5:30 and 8:00. At the Carpenter Center for the Visual Arts, 24 Quincy St., Cambridge. Tickets: \$3. Telephone: 495-4700.

The Brattle finishes off its *Mad Love* film series with a Robert Mitchum double bill, Otto Preminger's "River of No Return" (1954) with Marilyn Monroe at 6:05 & 10:00 and Nicholas Ray's "The Lusty Men" (1952) at 4:00 & 7:50. At 40 Brattle St. in Harvard Square. Tickets: \$4.75 for the double bill. Tel: 876-6837.

Wednesday, Mar. 4

POPULAR MUSIC

A reggae party with The Gladiators, The Ethiopian, and The I-Tones is presented at 9 pm at the Channel, 25 Necco St., Boston. Tickets: \$7.50. Tel: 451-1905.

The Pets, Blake Babies, and Two Saints perform at T.T. the Bears, 10 Brookline St., Cambridge. Telephone: 492-0082.

CLASSICAL MUSIC

The New England Conservatory presents an Early Music Performance Department Concerto featuring baroque concertos by J.S. Bach at 8 pm at Jordan Hall, 30 Gainsborough St., Boston. Also, the NEC Glee Club Student Ensemble performs student compositions and jazz classics at 8 pm at Brown Hall, 290 Huntington Ave., Boston. No admission charge for either performance. Telephone: 262-1120, ext. 257.

The Boston University Symphony Orchestra performs works by Rossini, Copland, and Berlioz at 8 pm at the B.U. School of Music Concert Hall, 855 Comm. Ave., Boston. Also March 5 at 8 pm at Mechanics Hall, Worcester and March 6 at 8 pm at West Springfield High School, West Springfield. No admission charge for any of the performances. Telephone: 353-3345.

THEATER

The musical "City Musik" opens today at the Boston University School of Theatre Arts, Studio 210, and continues through March 6. Tickets: \$6 & \$5; \$4 with BU ID; \$3 students and seniors. Telephone: 266-3913.

DANCE

*** CRITIC'S CHOICE ***
The Discovery Festival begins today at the Wang Center with works by Kenneth Rinker, Susan Marshall, Jim Self, and Frank Moore, and continues through March 8. Tickets: \$17.50-\$30.50. Telephone: 491-7377.

EXHIBITS

"The Art That Is Life": the Arts and Crafts Movement in America, opens today at the Museum of Fine Arts and continues through May 31.

FILM

The Harvard Film Archive continues its Thursday series Classics of Silent Cinema with two by the great German director, Fritz Lang, "Woman in the Moon" (1929) at 5:30 and "Metropolis" (1926) at 8:00 with live piano accompaniment. At the Carpenter Center for the Visual Arts, 24 Quincy St., Cambridge. Tickets: \$3 and \$4. Telephone: 495-4700.

The Brattle Theatre presents George Kuchar in person for the New England Premiere of "Ascension of the Demonoids" at 7:30 along with Tournier's "Curse of the Demon" at 5:30 & 10:00. At 40 Brattle St. in Harvard Square. Tickets: \$4.75 for the double bill. Telephone: 876-6837.

Thursday, Mar. 5

POPULAR MUSIC

March Violets with Flesh for Lulu perform at Spit, 13 Lansdowne Street, just across the street from the entrance to the bleachers at Fenway Park. Telephone: 262-2437.

Waterworld, Whirling Divishes, and A Boy & His Dog perform at T.T. the Bears, 10 Brookline St., Cambridge. Telephone: 492-0082.

The Great Divide and The Big Picture perform at the Conservatory at the Boston Marriott, Copley Place. Admission: \$4. Telephone: 236-5800.

CLASSICAL MUSIC

Austrian harpsichordist, Thomas Schmoegner, performs at 12:05 at the MIT Chapel. No admission charge. Telephone: 253-2906 or 253-ARTS.

The New England Conservatory presents a Piano Honors Concert at 8 pm at Jordan Hall, 30 Gainsborough Street, Boston. No admission charge. Telephone: 262-1120, ext. 257.

JAZZ MUSIC

Paul Barringer, jazz piano improviser, performs at 8 pm at Wellesley College Jewett Auditorium. No admission charge. Telephone: 235-0320, ext. 2028.

FILM

Charlie Chaplin's "Modern Times" (1936) at 5:30 begins the Museum of Fine Arts series entitled *Life's Work*. Also beginning is the MFA's series *Before Hollywood* with "An Age of Innocence" at 8:00, a group of short films all made before 1905. Tickets: \$3 members, \$3.50 non-members. Tel: 267-9300, ext. 306.

Fritz Lang's "While the City Sleeps" (1955) is being shown at 8 pm at the Harvard-Epworth Methodist Church, 1555 Mass. Ave., Cambridge. Admission: \$2 suggested contribution.

The Brattle presents the original "Little Shop of Horrors" at 4:30 & 10:00 along with "Wild Angels" at 6:00 & 9:30. Also being shown March 6, At 40 Brattle St. in Harvard Square. Tickets: \$4.75 for the double bill. Telephone: 876-6837.

The Harvard Film Archive continues its salute to Soviet film with "The Man with the Movie Camera" (1928, Dziga Vertov) at 8:00. The film is preceded by a free lecture at 5:30 by Professor Vladimir Petrov entitled "Dziga Vertov and the Revolution." At the Carpenter Center for the Visual Arts, 24 Quincy St., Cambridge. Tickets: \$3. Telephone: 495-4700.

The Boston Film/Video Foundation begins its series *Post Wave Canadian Independent Features* with "Low Visibility" (Patricia Gruben) at 8 pm. At 1126 Boylston St., Boston. Tickets: \$4/\$3.

THEATER

"Come Back to the 5 & Dime, Jimmy Dean, Jimmy Dean" opens today at 8 pm at the Northeastern University Studio Theatre, Ell Student Center. Also March 6-7, 12:14. Tickets and Information: 437-2247.

Gilbert and Sullivan's musical "Iolanthe" is presented at 8:15 pm at the Lincoln-Sudbury Regional High School Auditorium. Continues through March 7. Tickets: \$6 general, \$4 seniors and students. Telephone: 897-3110.



Karen Finley in her new performance "The Constant State of Desire" at the ICA, March 5 to 7.

POPULAR MUSIC

Girls Night Out, with Laprad and Tribe, perform at 9 pm at the Channel, 25 Necco Street, Boston. Tickets: \$4.50 advance/\$5.50 day of show. Telephone: 451-1905.

Rick Berlin-The Movie and The Wicker Men perform at 8 pm at the Paradise, 967 Commonwealth Ave., Boston. Telephone: 254-2052.

O Positive, Dr. Black's, Combo, and Free Time perform at T.T. the Bears, 10 Brookline Street, Cambridge. Telephone: 492-0082.

The Neighborhoods, The Linmas, Idaho, Alaska, and The Catalinas perform at Jacks, 952 Massachusetts Ave., Cambridge. Telephone: 491-7800.

The Outlets, The Marweeds, and Joe Harvard's 500 Teeth of Vengeance perform at the Rat, 528 Comm. Ave. in Kenmore Square. Telephone: 536-9438.

Buddy System and Look One Look perform at the Conservatory at the Boston Marriott, Copley Place. Admission: \$3 before 10 pm, \$6 after 10 pm. Telephone: 236-5800.

LECTURES

Novelist Susan Minot will give a reading from her first work, "Monkeys," at 5:30 at the Boston University School of Nursing Curtis Auditorium, 635 Commonwealth Ave., Boston. No admission charge. Telephone: 353-2510.

The Harvard Film Archive continues its salute to Soviet film with "The Nut Bread" (1977, Arunas Zhebrunas) at 7 pm and "The Unmarked Road" (1985, Vladimir Popkov) at 9 pm. At the Carpenter Center for the Visual Arts, 24 Quincy St., Cambridge. Tickets: \$3. Telephone: 495-4700.

The MFA continues its *Italian Comedy* series with "Divorzio all'italiana" ("Divorce Italian Style," 1962, Pietro Germi) at 5:30 and "Mafioso" (1962, Alberto Lattuada) at 8:00. Tickets: \$3 members, \$3.50 non-members. Telephone: 267-9300, ext. 306.

Lauri Anderson's concert on film, "Home of the Brave," is being shown at 6:15, 8:00, and 10:00 at the Somerville Theatre in Davis Square. Also being shown March 7, At 55 Davis Square just by the Davis Square T-stop on the red line. Telephone: 625-1081.

The Boston Film/Video Foundation continues its series *Post Wave Canadian Independent Features* with "Scissors" (Peter Mettler) at 8 pm. At 1126 Boylston St., Boston. Tickets: \$4/\$3.

Saturday, Mar. 7

POPULAR MUSIC

Paul Young performs at the Orpheum at 7:30 pm. Tickets: \$15.85 & \$17.85. Telephone: 482-0650.

Barrance Whitfield and The Savages, with Skin and Release, perform at 9 pm at the Channel, 25 Necco St., Boston. Tickets: \$3 advance/\$4 day of show. Telephone: 451-1905.

Unnatural Axe, The Reducers, and The Ludites perform at T.T. the Bears, 10 Brookline Street, Cambridge. Telephone: 492-0082.

Laurie Sargent (of Face to Face) and Friends, plus Garr Lange and The Big Rig, perform at Jacks, 952 Mass. Ave., Cambridge. Telephone: 491-7800.

Kirk Swan Band, Nova Mob, Pixies, and Hue & Cry perform at the Rat, 528 Comm. Ave. in Kenmore Square. Telephone: 536-9438.

Johany Copeland, the King of Texas Blues, performs at the Conservatory at the Boston Marriott, Copley Place. Admission: \$3 before 10 pm, \$6 after 10 pm. Telephone: 236-5800.

PERFORMANCE ART

Sally Greenhouse presents an evening of performance art, entitled "Psychoanalysis at Night," at 8 pm at the Blacksmith House, 56 Brattle St., Harvard Square. Tickets: \$5. Telephone: 547-6789.

FILM

The Brattle presents "The Girl Can't Help It" at 2:00, 5:35, & 9:30 along with "Will Success Spoil Rock Hunter?" at 3:45 & 7:30. At 40 Brattle St. in Harvard Square. Tickets: \$4.75 for the double bill. Telephone: 876-6837.

The Harvard Film Archive continues its salute to Soviet film with "Tango of Our Childhood" (1985, Albert Mkrichian) at 7 pm and "The Legend of Suram Fortress" (1985, Sergei Paradjanov & Dodo Abashidze) at 9 pm. At the Carpenter Center for the Visual Arts, 24 Quincy St., Cambridge. Tickets: \$3. Telephone: 495-4700.

The Boston Film/Video Foundation continues its series *Post Wave Canadian Independent Features* with "Crime Wave" (John Palzs) at 8 pm. At 1126 Boylston St., Boston. Tickets: \$4/\$3.

Sunday, Mar. 8

POPULAR MUSIC

Steve Earle with Dumptruck perform at 8 pm at the Paradise, 967 Comm. Ave., Boston. Telephone: 254-2052.

Treat Her Right performs at Jacks, 952 Massachusetts Ave., Cambridge. Telephone: 491-7800.

FILM

*** CRITIC'S CHOICE ***
The Harvard-Epworth Methodist Church presents an evening of Film and Live Jazz with performances by piano soloist Ran Blake, by jazz trio "Shock Exchange" accompanying short films of the 20's, and by jazz quartet "Ribs" accompanying the great John Barrymore film, "Dr. Jekyll and Mr. Hyde." Begins at 8 pm at 1555 Mass. Ave. in Cambridge. Admission: \$5 suggested contribution.

The Brattle presents "Gaslight" at 3:55 & 7:55 along with "Casablanca" at 2:00, 6:00, & 10:00. At 40 Brattle St. in Harvard Square. Tickets: \$4.75 for the double bill. Telephone: 876-6837.

The Harvard Film Archive continues its salute to Soviet film with "Trial on the Road" (1985, Alexei German) at 5:30 and "Come and See" (1985, Elem Klimov) at 8:00. The Archive's *Film Realities* series also focuses on the Soviet Union with "Bezhin Meadow" (1935, Sergei Eisenstein) and "Salt for Svanetia" (1930, Mikhail Kalatozov) at 5:30 and "Shadow of Forgotten Ancestors" (1964, Sergei Paradjanov) at 8:00. At the Carpenter Center for the Visual Arts, 24 Quincy St., Cambridge. Tickets: \$3. Telephone: 495-4700.

The Somerville Theatre in Davis Square continues its *Annual Festival of Women in Film* with two vintage Hollywood films starring Bette Davis, "Watch on the Rhine" (1943) at 5:30 & 10:00 and "The Little Foxes" (1941) at 7:45. Also being shown March 9, At 55 Davis Square just by the Davis Square T-stop on the red line. Telephone: 625-1081.

DANCE

The eleventh annual *Israel Folkdance Festival* takes place at 3 pm at Kresge Auditorium. Tickets: \$5-\$8. Telephone: 253-2882.

"Les rêves de l'enfance" ("Dreams of Motherhood"), dance inspired by the state of impending motherhood, is presented at 2 pm at Joy of Movement Center, 536 Mass. Ave. in Central Square. Tickets: \$3. Telephone: 784-2664.

CLASSICAL MUSIC

Marek Zebrowski, on piano, performs works by Bach, Mozart, Chopin, Debussy, and others at 8 pm at Kresge Auditorium as part of the *Affiliated Artist Series*. No admission charge. Telephone: 253-2906 or 253-ARTS.

Flutist Jean-Pierre Rampal performs works by Bach, Telemann, and Prokofiev at 3 pm at Symphony Hall as part of the Wang Celebrity Series. Tickets: \$16.50-\$19.50. Telephone: 266-1492.

The Boston University Chamber Players perform at 3 pm at the Isabella Stewart Gardner Museum, 280 The Fenway, Boston. Admission: \$2 suggested contribution. Telephone: 734-1359.

The New England Conservatory presents the *Enchanted Circle Series* at 3 pm and the *Honors Woodwind Quintet* at 8 pm, at Jordan Hall, 30 Gainsborough St., Boston. No admission charge. Telephone: 262-1120, ext. 257.

Ludmilla Lifson and Eda Shlysm on pianos, perform music for two pianos by Arensky, Shostakovich, Glinka-Luboshutz, Rimsky-Korsakov, and others, at 3 pm at the Longy School of Music, One Follen St., Cambridge. No admission charge. Telephone: 876-0956.

The All Newton Baroque Trio — Gisela Krause on harpsichord, Sonja Lindblad on recorder, and Louise Treitman on viola da gamba — performs at 4 pm at the All Newton Music School, 321 Chestnut St., West Newton. No admission charge. Telephone: 527-4553.

Monday, Mar. 9

CLASSICAL MUSIC

The New England Conservatory *Festival of American Music* begins today with *Chamber Music* at 5 pm at Williams Hall, featuring works by Carter, Harbison, Maneri, and Benjamin Franklin, and the *NEC Chorus* at 8 pm at Jordan Hall, featuring Pilgrim Psalms, Billings Hymns, Southern Folk Songs, and music of Ives, Fine, and Martino. Both theaters are at 30 Gainsborough Street, Boston. No admission charge. Telephone: 262-1120, ext. 257.

Music of Tibet is presented as part of the *Ethnic Tradition Series* at 7:30 at the Longy School of Music, One Follen St., Cambridge. No admission charge. Telephone: 876-0956.

FILM

The Harvard Film Archive continues its Monday series of *American Classics* with Billy Wilder's "Double Indemnity" (1944) at 5:30 and 8:00. At the Carpenter Center for the Visual Arts, 24 Quincy St., Cambridge. Tickets: \$3. Telephone: 495-4700.

Tuesday, Mar. 10

CLASSICAL MUSIC

*** CRITIC'S CHOICE ***
The New England Conservatory *Festival of American Music* continues with *Alcibiades & Madam's Music* (The Wild Ones — music of John Cage, Morton Feldman, and Steve Reich) at 5 pm at Williams Hall and *Jazz & Third Stream Music* (explorations and tributes to Duke Ellington, Billie Holiday, and Thelonius Monk) at 8 pm at Jordan Hall. Both theaters at 30 Gainsborough St., Boston. No admission charge. Telephone: 262-1120, ext. 257.

Richard Morrison, baritone, performs at 6 pm at the Isabella Stewart Gardner Museum, 280 The Fenway, Boston, as part of the *Emerging Artists from Boston University* series. \$2 suggested contribution. Telephone: 734-1359.

EXHIBITS

"Nursing Home," an exhibit of photographs by Jim Goldberg, opens today at the Clarence Kennedy Gallery, 770 Main St., Cambridge. Continues through April 4 with gallery hours Tues-Sat, 11:00-5:00. No admission charge. Telephone: 577-5177.

THEATER

*** CRITIC'S CHOICE ***
"A Funny Thing Happened on the Way to the Forum" with Mickey Rooney, opens today at 8 pm at the Colonial Theatre, 106 Boylston St., Boston, and continues its run through March 22. Tickets: \$25-\$40. Telephone: 424-9666.

LECTURES

Eric Chartier, professional actor and dramatic reader, will present (in French) his "Spectacle littéraire et poétique," a theatrical recital including selections from "Madame Bovary" and "Jeanne d'Arc." At 5:45 pm at the French Library, 53 Marlborough St., Boston. Tickets: \$5 general, \$3 members, students, and seniors. Reservations are required. Telephone: 266-4351.

FILM

*** CRITIC'S CHOICE ***
The Harvard Film Archive continues its Tuesday's series *French Films* with Roger Vadim's "El Dieu créa la femme" (1956), starring Brigitte Bardot, at 5:30 and 8:00. At the Carpenter Center for the Visual Arts, 24 Quincy St., Cambridge. Tickets: \$3. Telephone: 495-4700.

The Somerville Theatre at Davis Square continues its *Annual Festival of Women in Film* with "Marianne and Julianne" (1981, Margarethe von Trotta) at 5:30 & 9:50 and "The Marriage of Maria Braun" (1978, Fassbinder) at 7:40. Also being shown March 11, At 55 Davis Square just by the Davis Square T-stop on the red line. Telephone: 625-1081.

COMPILED BY PETER DUNN

ARTS

Chameleons UK skip theatrics to give exuberant concert at Spit**THE CHAMELEONS UK and THE MIGHTY LEMON DROPS***In concert at the Spit on Thursday, February 26.*

By DONALD YEE

THE CHAMELEONS UK and the Mighty Lemon Drops played at Spit in Boston on Thursday for the benefit of those fans who missed the chance to attend their sold-out show at The Metro the day before. Judging by the performances on Thursday, those fans are fortunate to have gotten a second chance to see the bands in action, particularly the Chameleons.

Both groups are from the United Kingdom and are currently touring the United States to promote their new albums, the Chameleons' second LP, "Strange Times" (Geffen), and the Lemon Drops' "Happy Head" (Sire). These records are currently receiving heavy airplay on some college and alternative radio stations.

The Lemon Drops opened the show a half hour after the scheduled start, playing selections from their new album. Their sound might best be described as neopsychedelic. This classification is justified both by the title of their album and by some of the lyrics, such as a line from the song "Angel" asking, "Tell me how you get so high."

Despite decent instrumental performances by the band members, the Lemon Drops exhibited one major weakness, namely a lack of variety. There was little deviation in tempo, and the vocals of half their songs sounded like variations on the tune from "Angel". One spectator com-

mented, "This is boring. Their songs all sound the same." Although perhaps due in part to the limited vocal range of the lead singer, this is no excuse for weak tunes, a point demonstrated shortly thereafter by the Chameleons' performance.

The Chameleons' lead singer and bassist, Birdy, exhibited a similar lack of vocal range, but made up for it with an enthusiastic performance and strong songs. Unlike many other bands (Bon Jovi comes to mind), the Chameleons emphasize substance over style. They are not a pretty group and during the concert there were no smoke bombs, fog machines, flying leaps, or other overblown theatrics. Although rock bands should entertain, the Chameleons do not go the same path as other groups who tend to emphasize the visual aspects to the point of detracting from the music.

Dressed casually in jeans and T-shirts, they opened their set with "Swamp Thing," a moody piece from their current album. They then kept the set moving with several songs from their first album, "Script of the Bridge."

A slight change in the Chameleons' music was evident during the concert. Most of the songs from the first album were darker and more atmospheric, featuring a wall of guitar chords similar to early Echo

and the Bunnymen or perhaps U2. For example, "A Person Isn't Safe Anywhere These Days" opened with guitar chords reverberating to produce a continuous tone. The newer material, like "Swamp Thing" although not sunny, featured slightly more conventional rock guitar. However, the music was never imitative (despite the band's name) or boring.

The Chameleons continued their set without pausing, mixing old and new material. The show lasted until almost 2 am, but many faithful fans stayed on, even de-

manding an encore, and the band obliged by playing two more songs. It appeared that many would have stayed for more, but the club interrupted with recorded music and announcements of upcoming concerts.

Although it will be a while before the Chameleons come to Boston again, in the meantime both their albums are available domestically. Given the quality of their music, I will not be surprised if they have a even larger following the next time they come around.

"Not for Burning" entertains but needs more tension in early acts**THE LADY'S NOT FOR BURNING***Written by Christopher Fry.**Directed by Thomas H. Hirschman.**Presented by the MIT Community Players at Kresge Little Theatre*

By STEPHEN P. BERCZUK

"THE BEST THING we can do is make where we are lost in look like home." From a world of witch hunts and small town bureaucracy, "The Lady's Not For Burning" concerns itself with the issues of blindness and dealing with the realization that the world is not what we would like it to be. Though not without minor flaws, this production of Fry's study of 15th century values was entertaining.

Alan Krulick starred as Thomas Mendip, a former soldier tired of life, who storms into the mayor's house demanding that he be hanged. Richard, the town clerk (Phillip Patrone), does his best to deal with this and with the afternoon's other odd goings on.

No one wishes to grant death to the hardened misanthrope. They are more zealous in the case of Jennet (Barbara Hathaway), presumed to be a witch. As Richard tries to comprehend the injustice of the pro-

posed witch burning, Mendip finds himself fighting for the woman's life while attempting to end his own.

Thomas Hirschman's direction emphasized the irony of the situation, and his sarcastic humor set the tone. While this put things in a proper perspective (you can't take these stubborn town folk seriously), a bit more tension would have helped keep the audience involved. We weren't faced with the reality of the threat to Jennet until the middle act, and the extent of Mendip's inner turmoil wasn't brought to our attention until the end.

The performances of the cast did fit Hirschman's plan nicely, however. Joseph Bowen worked well as the status-quo-preserving mayor. William Saunder's chaplain was, like the chaplain from "M*A*S*H," a man whose calling conflicted with his ideas of society. Patrone's was by far the best performance; he lived up to the role of the only member of the "establishment" that has a sense of justice.

The strength of the Community Players remains their technical experience. Rob Granville's sound effects were subtle, but set atmosphere quite nicely. Jon van der Meer's light design was simple, and complemented the acting and Sue Downing's set well.

ARTS

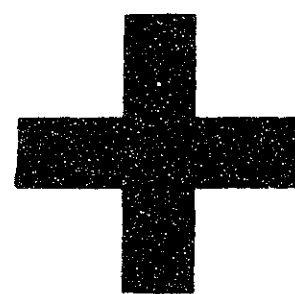
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SinfoNova Chamber Orchestra

Works by Mozart and Stravinsky alternate in the SinfoNova Chamber Orchestra's third concert of the 1986-87 season, Music Director Aram Gharabekian conducting. In Jordan Hall on Friday, March 6, at 8 pm. *MIT price: \$5.00*

Jean-Pierre Rampal

World-renowned flautist, Jean-Pierre Rampal, will perform in a Symphony Hall recital on Sunday, March 8 at 3 pm. The recital includes works by Bach, Telemann, Poulenc, and Prokofiev. *MIT price: \$5.00*

The Spectrum Singers

Under the direction of Music Director John W. Ehrlich, The Spectrum Singers will present a program of Bach and Handel works on Sunday, March 8, at 8 pm in Church of the Advent, Brimmer Street, Boston. *MIT price: \$5.00*

James Galway

Irish born flute virtuoso James Galway and Japanese guitarist Kazuhito Yamashita, will give a recital on Friday, March 20 in Symphony Hall at 8 pm, that will include works by Paganini, Rossini, and Dvorak. *MIT price: \$5.00*

Maurizio Pollini

Distinguished performer and conductor Maurizio Pollini, will give a recital of piano works by Chopin and Debussy on Sunday, March 22 at 3 pm in Symphony Hall. This is Pollini's first Boston appearance since 1985. *MIT price: \$5.00*

Chamber Orchestra of Europe

The renowned Chamber Orchestra of Europe, Lorin Maazel conducting, will perform works of Mozart, Bizet, and Tchaikovsky in concert on Sunday, March 29 at 3 pm in Symphony Hall. *MIT price: \$5.00*

Boston Premiere Ensemble

On Friday, March 27, the Boston Premiere Ensemble, under Music Director F. John Adams, will present "Evening for Three Harpsichords" at 8 pm in Old South Church, Copley Square. *MIT price: \$5.00*

Preservation Hall Jazz Band

The inimitable Preservation Hall Jazz Band — a troupe of world-famous New Orleans musicians — will celebrate the tradition of New Orleans jazz in a single performance on Sunday, March 29, at 8 pm in Symphony Hall. *MIT price: \$5.00*

Tickets will be sold by the Technology Community Association, W20-450 in the Student Center. If nobody is in, please leave your order and your phone number on the TCA answering machine at x3-4885. You will be called back as soon as possible.

Undergraduate Association News

Attention: STUDENT ACTIVITIES

Freshman Handbook listings **Due Tomorrow, March 4.**

Notices were mailed previously.

Check your mail — if these are not returned —

You risk no listing in the handbook!

Freshman Council Meeting

Monday, March 9 at 4pm

Rm 400, 4th floor of the Student Center

All Freshmen welcome to attend!

for more info call Vijay Vaitheeswaren, dl7346

T-Shirt Design Contest

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\$35.00 prize to winner

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The Undergraduate Association

student government at MIT x3-2696 W20-401 (4th floor of the student center)

Benton talks on holographic images

By Frances Lam

Stephen A. Benton '63, associate professor of media technology, discussed his research on synthetic holography to an audience of about 150 in Kresge Auditorium last Tuesday. He was speaking as part of the Image Makers Colloquium sponsored by the MIT Colloquium Committee.

Benton began with the history and background of holography and went on to explain his own contributions to the field. Holography is a lensless, photographic method used to produce three-dimensional images.

Traditionally, holographic images were produced using laser light. However, laser light is too expensive and dangerous for wide-scale use.

As a better means of creating 3-D images, Benton has experimented with rainbow and syn-

thetic holography.

Depending on the perspective of the viewer, rainbow holograms produce images of varying colors. They accomplish this by returning different wavelengths of light at different heights and angles. Rainbow holograms are currently widely used on credit cards and magazine covers.

Non-synthetic holograms need physical objects with which to make photographic reproductions. Synthetic holograms, on the other hand, use computers to build three-dimensional images. In this way, holographers are limited only by their imaginations.

Benton noted that three-dimensional holography will have many applications. For example, architects will be able to visualize color houses in three dimensions before they are built. Holography will also have important effects on information storage and pro-

cessing, measuring techniques, microscopy, and art.

Benton used numerous visual aids in his talk. Before he began, linear polarized glasses were passed out for the viewing of 3-D slides. Afterwards, members of the audience were invited to come onstage to view a three dimensional alcove hologram of a car with the Boston skyline. The image was contained in an experimental device that had never before left Benton's laboratory.

Benton earned a BS in Electrical Engineering from MIT and a PhD in Applied Physics at Harvard University. A founding member of MIT's Media Laboratory, he established the Spatial Imaging Group. He holds numerous patents in optical physics, photography, and holography and is the inventor of the white-light transmission rainbow hologram.



Victor Srethabhakti

Professor Stephen A. Benton '63 lectures on holography at last week's Image Makers Colloquium.

Ballard explains optical scanning

(Continued from page 1)

ASA. This allowed a high degree of accuracy and required only one person to monitor the screen.

Additionally, a base ship equipped with a cycloid propeller system consisting of six vertical blades permitted quick variation in the ship's direction of up to 360 degrees. This allowed immediate response in changing the scanning area horizontally by varying ship direction and vertically by raising and lowering the studio, Ballard explained.

This robotic vehicle system was developed in response to multi-fold difficulties inherent in the conditions of the *Titanic's* sinking. These included the environmental factors at the continental shelf of North America that precluded search for ten months of the year, underwater tributaries that disturbed submerging travel, the lack of clarity in sonar search patterns due to the mountainous

terrain, and the uncertainty in the position of the sinking, Ballard explained.

He stressed the great physical and intellectual stamina required for the expedition. In the under-

water exploration for the *Titanic*, scientists made advances in imaging technology and the strategy of probabilistic searches that have practical applications in other areas, he added.

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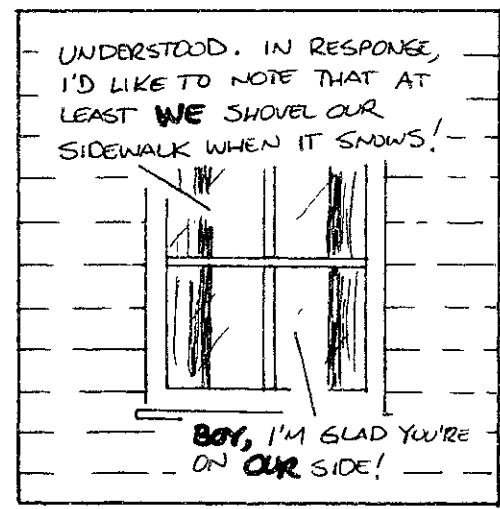
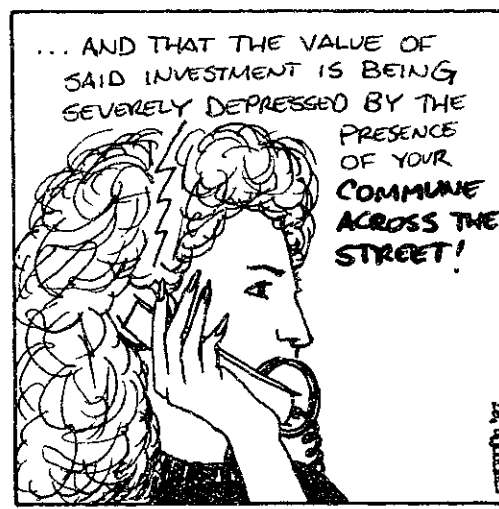
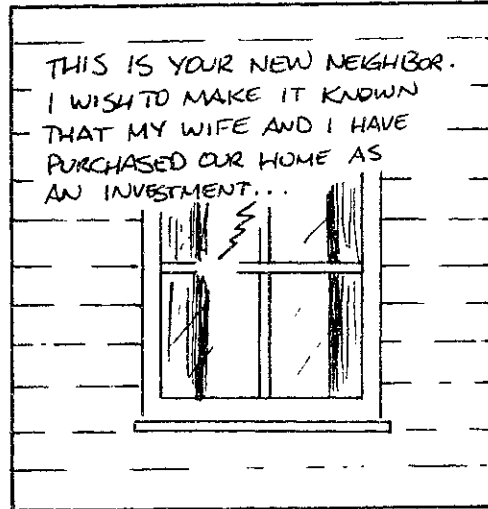


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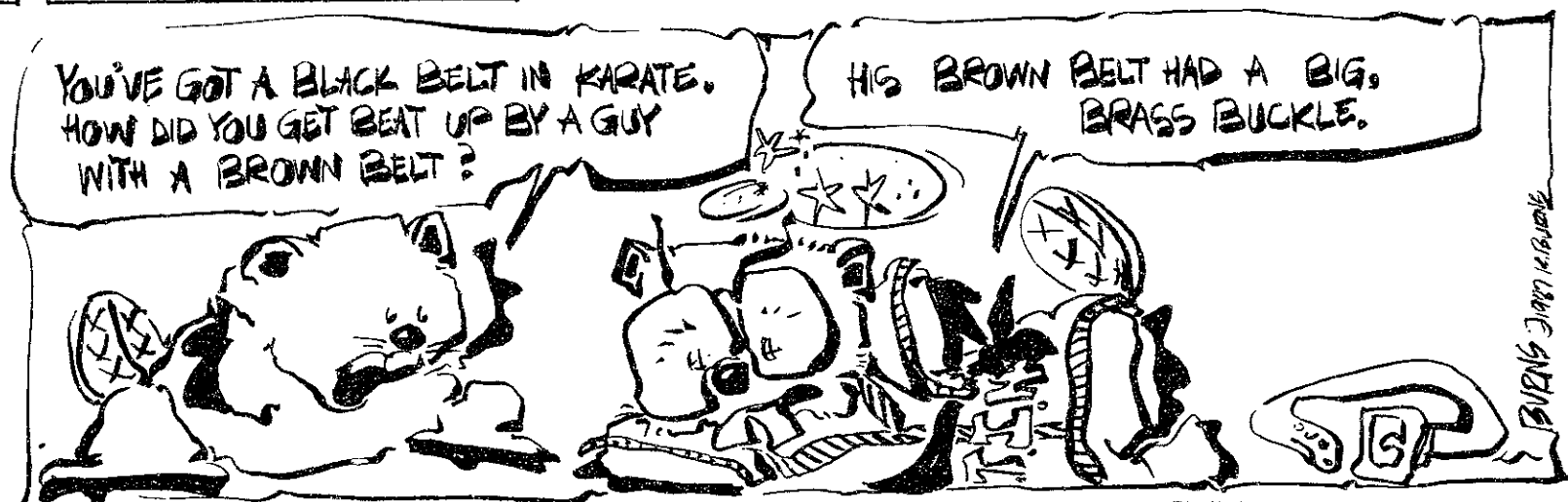
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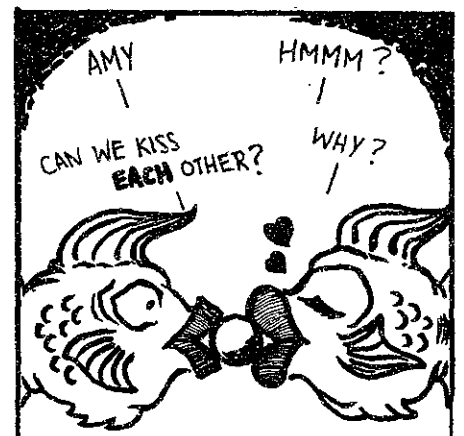
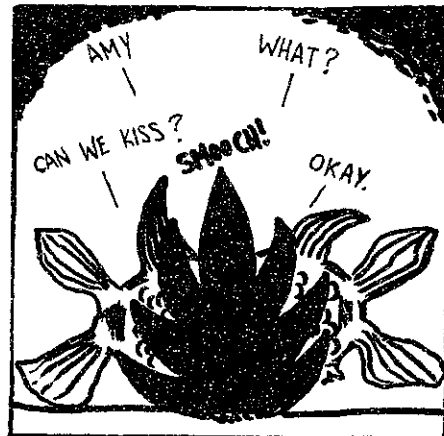
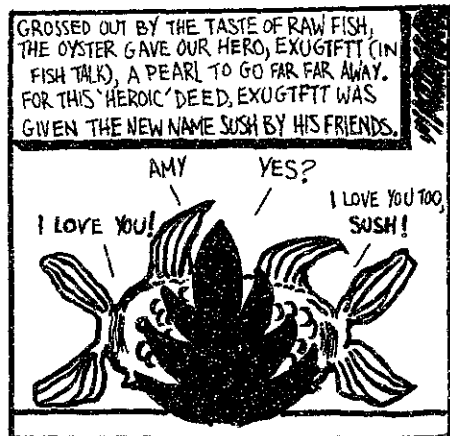
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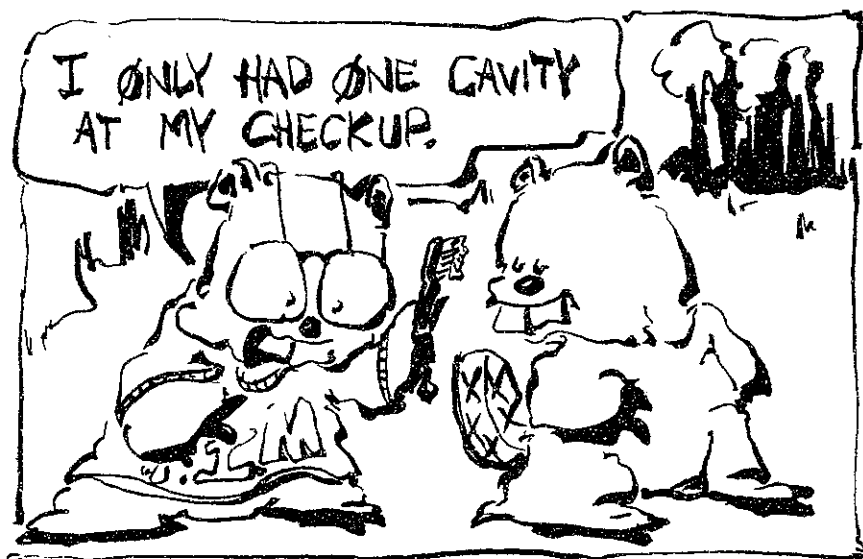
comics

Soup

By Chiu Jeng



T.I.M Beaver
By Kevin Burns



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Mario Kassar and Andrew Vajna Present
Mickey Rourke An Alan Parker Film
"Angel Heart" Special Appearance by Robert DeNiro
Lisa Bonet Charlotte Rampling Original Music by Trevor Jones Director of Photography Michael Seresin
Executive Producers Mario Kassar and Andrew Vajna From the Novel "Falling Angel" by William Hjortsberg Screenplay by Alan Parker
Produced by Alan Marshall and Elliott Kastner Directed by Alan Parker A Tri-Star Release
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sports

Women's hockey topples 0-2 against Rensselaer

(Continued from page 16)

well, either keeping the puck in the MIT zone or forcing the Beavers to simply clear the puck to center ice. The MIT team, which depended heavily on passes off the boards to move out of its own zone, was now prevented from ever really moving up the ice.

RPI's insurance goal came at the 5:17 mark of the second period when a shot from near the goal beat netminder Kelly Grant '86. A skirmish had developed near the right faceoff circle in the MIT zone. The puck seemed to be going nowhere; nobody in the crowd could get a stick on it. Finally the puck trickled out toward the MIT net and an RPI forward let go a quick wrist shot to put it in from a very difficult

angle.

This second goal put a little spirit into the MIT offense. They began controlling the puck better in the RPI zone as they forechecked more and covered the boards, forcing more turnovers. But again the RPI defense covered the slot extremely well, denying the Beavers any good shots on goal. The rest of the period was very ping-pong like as both teams forced a lot of turnovers with their strong defense.

The Beavers played the best hockey of the game in the third period as they tried hard to make up the two goal deficit. The MIT forwards, Sandy Linde '87 and Suzanne Joris '86 in particular, forechecked well deep in the RPI zone to keep the puck there. A

power play five and a half minutes into the period gave MIT its best chance to slim the RPI lead.

MIT had excellent scoring chances in their power play. Their players were always in position to receive good passes. But the Beavers were held scoreless by excellent goaltending from the RPI netminder and the penalty was eventually killed.

The MIT team continued the excellent passing of the power play in the last ten minutes of the game. They moved up the ice very quickly as they relied less heavily on passes off the boards. But despite this, and despite pulling their goaltender in the last minute of play, the Beavers' many excellent scoring chances resulted in no goals.



Joyce Mai/The Tech
MIT goalie Kelly Grant '86 watches as the puck glides past her during Saturday's game vs RPI. MIT lost 2-0.

Women's hockey, Colgate play to tie

(Continued from page 16)

od was killed as MIT controlled the puck along the boards and never failed to pick up the men in the slot.

And with just under two minutes left in the period, the Beavers got several excellent scoring chances on a power play from a tripping penalty called against Colgate, making excellent use of their defensemen at the points who took good shots from the blue line. It was only bad luck which prevented MIT from putting in another goal.

With the Beavers having done so well during the first period, the first signs of wear began to show during the second. The dominance of the latter half of the first period was still evident, but MIT could no longer get as many shots on goal. They were outshot by a margin of 11 to 3 and were lucky that Colgate did not reduce the lead.

Colgate increased their pressure during the initial minutes of the second period but the Beavers took control in the Colgate zone with better forechecking. Captain Mary "Sparky" Bowden G seemed particularly enthused (perhaps because she had been accused in last week's article of

"usually not [being] a scoring threat") as she took wicked shots from the point and at one point even developed a two-on-one breakaway with excellent poke-checking at the MIT blue line.

But the Colgate pressure did not cease and the Beavers kept them scoreless only with some key saves by Kelly Grant '86 who stooped several shots from in the slot. Although the MIT team was managing to keep the puck in the Colgate zone, they had few really good scoring opportunities — Colgate covered the slot very well.

The third period began with an early cross-checking penalty called against MIT which, just as in the first period, was killed with good control of the boards. But the Beavers once again found themselves having difficulty moving out of their own zone.

But the first Colgate goal came not from their forechecking in the MIT zone but instead from a quick break out of their own zone. Having beaten an MIT defenseman at the Colgate blue line, the Colgate winger carried the puck all the way up the ice on a three-on-one breakaway and beat Grant with a wrist shot to the upper right of the net. Colgate had trimmed MIT's lead to only one goal.

After this goal, the Beavers attempted to regain an insurance goal. The squad was tremendous, making every possible attempt to keep the puck in the Colgate zone. Despite this, Colgate also applied themselves in the hopes of evening the score. With MIT trying so hard to keep the puck in the Colgate zone, Colgate was often given three-on-two and two-on-one opportunities as the Beavers were caught too far up the ice.

The pressure was further increased when Colgate went on the power play with just more than six minutes left to play. Despite Colgate coming very close to scoring several times, MIT managed to kill the penalty and it looked as if they would be able to hang onto their lead.

Unfortunately, this was not to be. With only 1:56 left in the game, a Colgate winger stole the puck from an MIT defenseman trying to clear it out of the zone. Swinging wide, the Colgate player let go a hard, low shot from the left circle to beat Grant on her glove side. With less than two minutes left and the energy of the MIT players waning, it did not look as if the Beavers could pull a win from the 2-2 tie.

Five minutes of overtime were played with both teams getting excellent scoring opportunities. The Beavers managed to develop some three-on-two breakaways but could not finish these for a goal. Colgate managed some good shots from the slot as the MIT defense tired, but they too could not finish off their plays. The game ended a 2-2 stalemate.

MIT ski teams complete strong building seasons

(Continued from page 16)

Alpine coach Eliot Young said his team of captain Scott McFarland '88, Mark Light '88 and Zackin, with the European contingency of Boris Golubovic '90 from Yugoslavia and Lukas Ruecker '87 from Bavaria, gave some solid performances. New team members Per Cederstav '88, Eric Mott '90, and Eric Troelsen '88 along with veteran Adam Dershowitz '89 made a strong bench. "It was tough to choose the fourth and fifth skiers."

Coach Michael observed, "Going into the Division II Championships last weekend, no one knew who was going to capture the men's team trophy: MIT, Bowdoin, Johnson State, and Harvard had each won a meet during the regular season."

The women's team, founded two years ago, had trouble scoring because it could not field a women's cross country relay with only two skiers, Martha Soto '87 and Beth Ahner '89.

"Besides Zahradnik, Farla Fleming '88, Cathy Cherubino '88, and Becky Dumas '90 showed us some great skiing," Young reported.

Zahradnik added, "We had a super season for such a young team, especially considering our freshmen, Dumas, Bev Saylor, and Liz Stock, had never raced before. I wish I could be here next year, when they turn out even better results."

(Editor's note: Rebecca Emerson '89 is a member of the women's-skiing team.)

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sports



Rebecca Emerson
Captain Scott McFarland '88 charges down a slalom course.

MIT teams ski to success

By Rebecca Emerson

The MIT ski team wrapped up its 1987 season on Feb. 21 at Sugarloaf, Maine. The women's ski team, led by captain Janet Zahradnik '87 and her top ten finishes, had its best season ever, including an overall fourth team place two weeks ago.

The men's team had another strong season, including a first place team finish at the Colby-Sawyer College Winter Carnival Feb. 13 and 14 at King's Ridge, New Hampshire.

1987 could be considered a

building season. The men's team was strengthened by the addition of two experienced freshmen to the roster: Steve Bull '90 in cross-country and Paul Zackin '90 for the alpine team. As the Nordic coach Dave Michael summed it up, "When the season started, I knew we had the best team in the league. We had the most depth. It was just a matter of time before we pulled it together."

Josh Kahn '87 captured many top ten Nordic finishes, including first, second, and third places, joining Bull in the individual race

at Middlebury Division I Championships in Vermont last weekend.

The Nordic relay team of Peter Powers '88, Kahn, and captain Terry McNatt '87, recovering from a broken leg suffered during training in January, were the overall season's first team and will also be going to Middlebury.

Nordic veterans Tim Sulzbach '88 and Jason Dunham '88 along with newcomer Tim Townsend '90 also had strong finishes throughout the season.

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Women's hockey loses to RPI, 0-2

By Peter Dunn

The MIT women's hockey team played a hard fought game against Rensselaer Polytechnic Institute (RPI) last Saturday at the New Athletic Center but lost the close fought battle by a score of 2-0. Despite several excellent scoring opportunities by the Beavers,

the RPI defense stood its ground and managed to hold the MIT offense at bay.

Neither team really gained the upper hand in the first period. The puck exchanged hands several times in the first few minutes as good forechecking and good defense by both squads kept the game at a stalemate.

But with just under two minutes elapsed in the game, Tonya Parker '90 found herself battling for control of the puck along the boards behind the MIT goal line. Unfortunately the puck popped out to the side of the MIT net and was jammed in by an RPI forward for the first goal of the game.

This goal seemed to boost the confidence of the RPI team; they controlled the play for the remainder of the period. Both teams had good control of the puck in the opponent's zone. But RPI managed to break out of their zone more efficiently, affording fewer scoring opportuni-

ties to the Beavers.

MIT had trouble clearing RPI players out of the slot, giving the opponents too many second chances on the net and too many screened shots from the points. This was particularly threatening — the RPI defensemen had excellent slapshots from the blue line.

What did shine for MIT during the first period was their penalty killing. Although RPI was given four minutes of man advantage due to two minor penalties assessed to MIT, the Beavers killed these in fine fashion, allowing very few shots on goal. RPI controlled the play even more in the second period. Again the RPI forwards were very threatening from close in as the MIT defense had trouble clearing the slot.

In addition the RPI defense was now stopping MIT breakouts. The RPI defensemen were covering the boards and the points in the MIT zone extremely

(Please turn to page 15)

Women's hockey ties Colgate, 2-2

By Peter Dunn

The women's hockey team tried their hardest to put on a grand display of hockey at Colgate University last Sunday. But whether it was the long six hour trek to Hamilton, New York, or some other malady ailing the team, they could not sustain the pace they set in the opening period and were forced to settle with a 2-2 tie.

The MIT team scored very early, beginning the game with excellent forechecking. Liza Lofton G pressured the Colgate players in their own zone, forcing them to

give up the puck twice. Lofton eventually emerged from these skirmishes with the puck on her stick and put a wrist shot from the right faceoff spot through the goaltender's pads with only 25 seconds elapsed in the game.

Colgate countered with pressure of their own. They then kept the puck in the MIT zone with good coverage of the boards, thwarting MIT's breakouts from their own zone. This disabled the MIT offense, but the Beavers kept the puck along the boards and thereby kept Colgate out of scoring range.

MIT posted its second quick goal at the 7:17 mark on one of their few excursions to the opposite end of the rink. Michelle Bonugli '88 took the puck behind the net to the right side and continued poking at it against the Colgate netminder's pads until she finally jammed it in. With these two goals, it seemed to be an early rout for the Beavers.

MIT began moving up the ice better and faster during the second half of the first period. A hooking penalty with just more than nine minutes left in the period

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ATTENTION SENIORS

Those of you who missed the March 1, 1987 deadline for submitting Phase One or Phase Two papers to the Committee have this option remaining to complete the Writing Requirement during this term:

Enroll in one of these subjects by ADD DATE, March 6, 1987:

1.03/1.05
2.671
2.67
3.041
3.081

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7.16
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13.901
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