

Happy Holidays!

MIT
Cambridge
Massachusetts

Tuesday, December 11, 1990

TheTech

Continuous
News Service
Since 1881

Volume 110, Number 57



Douglas D. Keller/The Tech
The MIT Festival Jazz Band performs its Christmas Concert in Kresge Saturday night. The band recently released its first album on compact disc.

No MIT reservists in the Persian Gulf

By Chris Schechter

The Persian Gulf crisis has so far had a limited impact on members of the MIT community in the reserves. No faculty or staff reservists have been called to duty, according to Joan F. Rice, director of personnel, and the Reserve Officers' Training Corps has not undergone any significant changes in response to the crisis.

The only noticeable effect of the gulf crisis on the ROTC program has been a shift in funds from ROTC to regular military units, according to Cmdr. John B. Watkins of Navy ROTC.

The personnel office did not have statistics on the number of reservists who might be called to serve in the Middle East. The exact number of faculty and staff in the reserve forces is unknown, Rice said.

"We have no way of finding out who may be concerned,"

Rice said. "MIT doesn't keep any personal records on its faculty." She has not received any requests for leaves of absence related to the current crisis.

The number and status of MIT ROTC graduates who may be in the Persian Gulf was not available from the ROTC branches on campus. Current students in ROTC do not face deployment in the gulf.

Rice said she is not anticipating a large number of personnel to depart for the Middle East, a situation that would be remedied on campus by temporary appointments of faculty members and staff shifts within departments.

"The student body will not even notice the difference if any such situation would occur," said Myles P. Crowley, administrative assistant in the News Office.

Officers must first undergo a

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Glavin: understaffing not unusual

Feature

By Brian Rosenberg

It is "not unusual" for MIT police patrols to be understaffed, according to Campus Police Chief Anne P. Glavin. When this happens, part of the MIT campus may be patrolled less than normal, she said.

According to Glavin, the MIT campus is divided into six zones patrolled on foot and two patrolled by car. Each zone is patrolled by a single officer, she said.

The eight officers required to patrol MIT are not always available, Glavin said. "The staffing [of patrols] does not take into account vacations or sick leave,"

she said. "It is not unusual for [a patrol zone] to be unfilled, or for two routes to be assigned to one officer, or for a cruiser to spend more time than usual in [an unfilled] area."

"The decision of which route to understaff is made by the crime prevention unit, which compiles our crime statistics," Glavin said. "They make an a recommendation based on recent crime trends on campus," she explained.

Under fully staffed conditions, each patrol car travels around either the east or the west half of the campus, with Massachusetts Avenue serving as the dividing line.

The Campus Police are currently setting up a system of crime prevention coordinators in the academic departments, Glavin said. The main purpose of the coordinators is to get more information about crime prevention out to the community.

"We've been planning something like this for some time, and the new federal legislation just got us off the ground," Glavin said, referring to a recently passed bill requiring universities to distribute crime information.

"If the program works well," Glavin said, "we would certainly think about extending it to the dormitories."

MIT police similar to other area universities

MIT's police force is comparable in size to police forces at other campuses in the area. Glavin said there are 56 sworn officers on the force. In comparison, the Boston University police have 50 officers, while Harvard University has 65, according to the chiefs of those departments.

Northeastern University, whose police force is part of the Office of Public Safety, has approximately 50 sworn officers, but also hires an outside contractor to "patrol the exterior of some residence halls," according to James Ferrier, Northeastern's associate director for public safety.

Some universities in the area, including Boston University, have minimum manning policies which set a lower limit to the number of active officers at any time.

"We have a limit of four officers during the week and five on the weekend," said Steven M. Devlin, chief of police at BU. In the event of a shortfall, the BU police will call on officers from other shifts, he said.

Harvard University has a minimum staff level as well, though Chief Paul Johnson refused to give exact numbers. "If we fall

(Please turn to page 7)

Early admits up by 34% Test scores down; minorities total 40 percent

By Joey Marquez

As of today, MIT has accepted 543 of 1283 early applicants to the Class of 1995, an increase of 139 from last year. Yet the increase is not due to an increase in the number of applicants applying early action, according to Elizabeth S. Johnson, associate director of admissions.

The increase in acceptances was simply due to the caliber of early action applicants, she said. Many of the applicants, had they applied regular decision, would clearly have been accepted, she added. Approximately the same number of students applied for early action last year.

The number may change soon, Johnson said, because some decisions are still pending due to incomplete application folders.

Of the accepted students, 364 (67 percent) are male, up from 279 (69 percent) last year. One hundred seventy-nine women were accepted, up from 125 last year. Of the 543 accepted students, 40 percent are minority students, including five Native Americans, 152 Asian Americans, six Puerto Ricans, 27 African Americans, 16 Mexican Americans, and 11 Hispanic Americans. MIT also accepted six international students from Mexico and Canada.

The average Scholastic Aptitude Test score and class ranking of those accepted dropped slightly this year. The percentage of accepted students ranking in the top 10 percent of their class dropped from 99 percent last year to 95 percent this year. In addition, the mean Scholastic Aptitude Test verbal score dropped from 658 to 646, while the mean SAT math score fell from 754 to 748.

Decisions for early and regular applicants the same

The method of accepting early action applicants is no different from the way the Admissions Office makes decisions in the spring, Johnson said. The applicants accepted as of today were in no way at an advantage to regular decision applicants, she added. The only advantage is that the accepted students know early in the application process that they have been accepted to MIT.

Most applicants who are not

accepted early are deferred to the spring, and can still be admitted. "A fair number of applicants are deferred, yet get in in the spring," Johnson said.

In making decisions for both early and regular action applicants, the committee examines three categories that group applicants' accomplishments: academic style, personal style, and personal accomplishments.

The Admissions Office defines academic style as academic

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Recycling begins despite city trouble

By Jeremy Hylton

A student recycling program began dropping off trash at a Cambridge recycling center last Saturday. But Cambridge does not want MIT's trash, city officials said.

The trash produced by city residents is more than the recycling center can handle, without the addition of MIT trash, said Lisa C. Peterson, assistant to the city manager. "We have not marketed it to students. It's not an audience we were particularly looking for," she said.

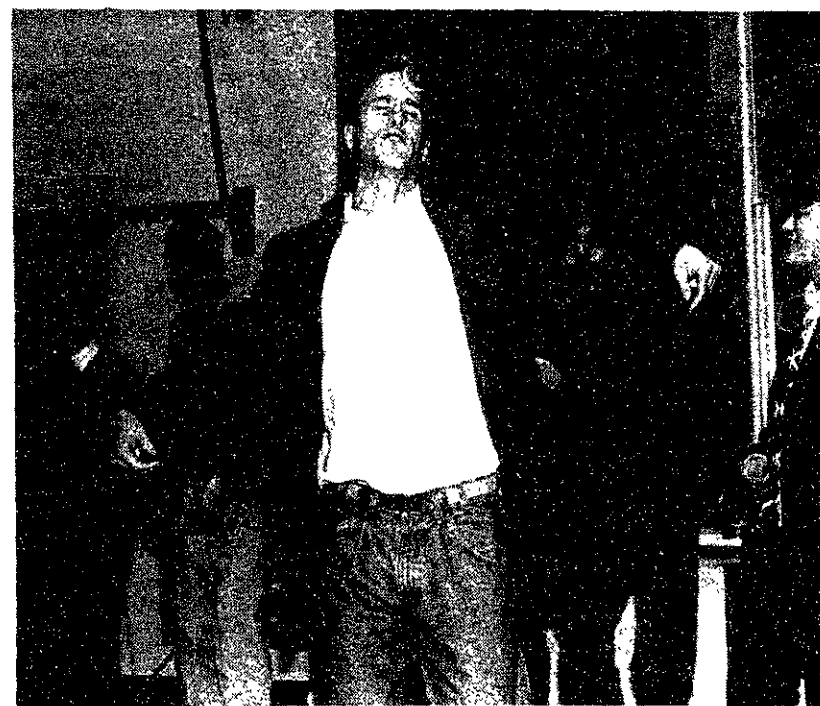
The student program will function only until the MIT Department of Housing and Food Services can develop a campus-wide program for recycling, said de

facto head of the student program Suniti Kumar '91. The program also takes trash to the Boston Food Co-op.

The program picks up trash from 14 living groups on the second and fourth Saturday of each month. It is staffed by a group of about 40 student volunteers and some members of the Undergraduate Association.

The city of Cambridge opened the recycling center to reduce the amount of solid waste the city collects. "The purpose [of the recycling program] is to reduce the amount of overall municipally collected solid waste by separating out those items that are recyclable," Peterson said.

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Vipul Bhushan/The Tech
Charles T. Benson '90 of the Logarithms moves to the voices of his fellow Logs in Saturday's Christmas Concert.

Freshman housing recommendations on hold

By Kai-Teh Tao

No action will be taken next year on the recommendations of last fall's Freshman Housing Committee report, according to Provost Mark S. Wrighton and Associate Provost Samuel J. Keyser. The report recommended that all freshmen live in dormitories on campus, and that rush for independent living groups be deferred to the spring term.

"Presently there are no plans to act on the recommendations put forth by the Freshman Housing Committee for the upcoming year," Wrighton said.

A second report of some kind may come out next spring, after more research on the report's recommendations is conducted, Keyser said. But no decision will be carried out before the matter is investigated further.

Contrary to popular belief, the committee did not recommend

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This is the last scheduled issue of The Tech for 1990. Issues will be published on Wednesdays during Independent Activities Period (Jan. 9, 16 and 23). The deadline for advertising and letters to the editor will be 5 pm on Monday. Normal Tuesday/Friday publication will resume Feb. 1, 1991.

Grad dorm named for Doc Edgerton

By Lakshmana Rao

In a simple ceremony held Friday afternoon, the new graduate dormitory at 143 Albany Street was named Harold E. Edgerton SM '27 House.

The house was dedicated to Edgerton "In Honor of His Extraordinary Compassion, Generosity and Enthusiasm as a Teacher of MIT Students For Nearly Sixty Years," according to a plaque that was unveiled at the ceremony. Edgerton died of heart attack at the MIT Faculty Club on Jan. 4, 1990.

Edgerton's widow, Esther H. Edgerton, described the dedication as "the greatest honor bestowed on the Edgerton family."

Speaking on the occasion, President Charles M. Vest said that "for an institute having more than 50 percent of its student population as graduate students, MIT is not yet a residential college at graduate level." He felt that safe, affordable on-campus housing for graduate students goes a long way to enhance the cultural experience at MIT.

Edgerton House is the first new graduate residence to open since 1983. It has a capacity to house 190 graduate students in a variety of accommodations, from single- and multiple-bedroom suites to duplexes, and is the

only fully air-conditioned graduate residence building on campus. The building was built in 1913 and served as the home of the Elliot Addressing Machine Company.

The ceremony held Friday was mainly attended by members of the MIT administration. Not more than half a dozen students attended the ceremony. "The ceremony was held at a time that is very inconvenient to most students," said Robert D. Kiss G, graduate coordinator of the house.

Residents are presently working out policies for the house. "The Edgerton House has a student body with representatives from different parts of the building," Kiss said. "We are currently trying to formulate policies for the use of common spaces in the building."

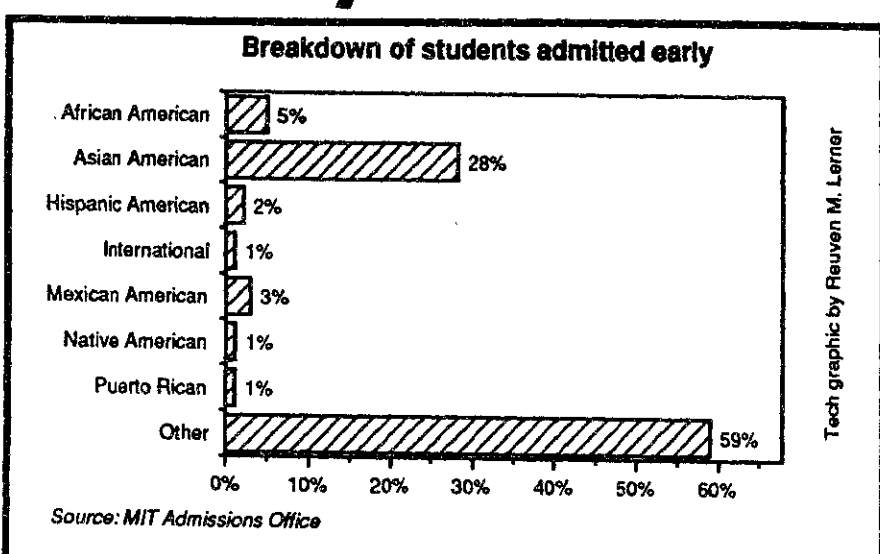
The Edgerton House front desk is currently staffed by paid employees of the Institute in contrast to other dormitory front desks that are managed by students.

Commenting on the safety of the neighborhood, Kiss said, "The safety in the Albany Street area is not in any way worse than the general safety in the Cambridge area. The house itself has no reported thefts so far."



Esther H. Edgerton and Graduate Student Council President Michael D. Grossberg G shake hands at the dedication of the 143 Albany Street graduate student dormitory. The building has been named Edgerton House, in memory of the late Harold E. Edgerton SM '27, world-renowned MIT professor and inventor of the strobe.

MIT accepts 543 for early admission



(Continued from page 1)

standing and co-curricular activities, personal style in terms of the essay and recommendations and character of the applicant, and personal accomplishments through activities such as community service and outstanding performance in non-academic areas, Johnson explained.

In compiling the best applicants, two committee members look into all aspects of an application and rate the students from one to five in each of the three criteria.

After an average rating is determined, it is then compared to a computer-generated rate which takes into account the applicant's grades, SAT scores, and Achievement Test scores in comparison to the remainder of the MIT applicant pool. With the comparison, the committee is then able to decide who is awarded admission to MIT.

Johnson said that the early-action selection process, which began last Thursday afternoon, was completed by Friday at 4 pm. Acceptance letters will be mailed on Thursday.



Sandra E. Serkes '90 of the Chorallaries solos "Sing a Song" during the Chorallaries', Logarithms' and Harvard Callbacks' Christmas Concert Saturday night.

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.

Dec. 11, 1990

The Commonwealth Museum at Columbia Point will celebrate the tradition of family farms in Massachusetts at a reception with the new Commissioner of the MA Department of Agriculture, Gregory Watson, from 3 to 4:30 pm. A special showing of the exhibit, "Founding Farms of Massachusetts," will be featured along with slides, talks, educational materials and refreshments. Info: 727-9268.

Dec. 16, 1990

The Church of Jesus Christ of Latter-day Saints invites you to their Christmas Open House. The program will include a video presentation, Christmas musical numbers, and refreshments. Bishop Clayton Christensen will be speaking. 7:30 pm at the LDS Chapel, 2 Longfellow Park, on the Corner of Brattle and Hawthorne Streets, Cambridge. Info: 225-8541.

Dec. 20, 1990

The AIDS ACTION Committee presents Bridges, a multicultural ceremony of remembrance and renewal for all people whose lives have been touched by AIDS. 7 pm at the Villa Victoria on the corner of Shawmut and West Newton Streets in Boston. Info: 437-6200.

Student Group Notices

The MIT Folk Dance Club sponsors two evenings of international dancing at MIT on Sunday nights in the Sala de Puerto Rico and Wednesday nights in Walker Gym, both at 7:30 pm. Beginners are welcome; no partner is needed. Call 253-3655 (FOLK) for more information.

The MIT Outing Club holds office hours every Monday and Thursday from 5:30 to 6:30pm in W20-461. Stop by and help plan, lead or participate in trips ranging from one day outings to month long treks. The club is especially active in rock climbing, kayaking, canoeing, backpacking, hiking, and winter mountaineering. Beginners are more than welcome. The club rents a variety of equipment at low rates and has two cabins in NH available for rent. Contact Dave @ 492-6983.

Meeting Times

Every Tuesday at 1 pm in Walker 220, there is a Japanese Lunch Table. Bring a bag lunch, make friends and join this lively group. All levels are welcome!

Men Against Sexual Assault: Monthly discussion group for concerned men on issues of rape and violence against women meets the first Wednesday of every month from 7:30-9 pm in room E51-218. The sessions are supported by the MIT Office of Student Affairs and sponsored by MIT students. Sessions will be devoted to such topics as discussions of rape, sexual violence, sexual harassment, pornography and rape, and other subjects. The discussion group is aimed at university students as well as the larger Boston/Cambridge area community. For further information, call Jeff at x3-2633.

Fellowships, Scholarships, Grants, and Awards

25 scholarships are available for undergraduate students majoring in engineering and science disciplines. Sponsored by the US Department of Energy and administered by Oak Ridge Associated Universities. Interested US citizens currently pursuing an Associate of Science or Bachelor of Science degree full time and interested in pursuing careers in environmental restoration or waste management should apply by Jan. 28, 1991. More info: (615) 576-9278.

The Samuel Huntington Public Service Award provides an annual stipend of \$10,000 for a graduating senior to pursue public service anywhere in the world. The Award allows recipients to engage in meaningful public service activity for up to one year before proceeding on to graduate school or a career. Proposal requested. Deadline Feb. 15, 1991. Applications should be submitted to: The Samuel Huntington Fund, Attn: D. F. Goodwin, 25 Research Drive, Westborough, MA 01582, (508) 366-9011.

The Massachusetts Risk and Insurance Management Society is making an educational scholarship available to business administration majors with a strong interest in risk management. For more information and an application, please contact Lauren Feinman at (617) 890-6352.

In View, a magazine for college women, is offering \$2500 awards to college women for outstanding accomplishments beyond the classroom. For more information, contact David Jarrard at 254-0575.

A free financial aid handbook is available for prospective and present college students. The Handbook for College Admission and Financial Aid is available by writing or calling the Association of Independent Colleges and Universities, Suite 1224, 11 Beacon Street, Boston, 02108-3093; (617) 742-5147.

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news roundup

from the associated press wire

Nation

Blacks males die earlier than whites, statistics show

Statistics show that poverty, violence and disease are increasing the disparity in life expectancy between black and white men in Massachusetts and around the country. Recent figures from the National Center for Health Statistics show that a black man can expect to live for 64.9 years, while a white man can expect to live for 72.3 years.

David Mulligan, commissioner of the Massachusetts Department of Public Health, said there are also disparities in most illnesses, including AIDS and other sexually transmitted diseases. A study in the *Journal of the American Medical Association* found that a major reason for the disparity is poverty — for example, the lack of insurance or doctors in poor neighborhoods. Violence is also a factor. The *Journal* study found that black men in America have a one in 21 chance of dying by murder. White men have a one in 131 chance.

Five-year contraceptive gets final FDA approval

A new contraceptive that protects women against pregnancy for up to five years has been approved by the federal government.

The Food and Drug Administration has approved the product, called Norplant. It consists of six matchstick-sized silicone rubber capsules that are implanted by simple operation in the upper arm and which release a common synthetic hormone slowly over time.

The New York-based Population Council, which developed the device, said it is better than 99-percent effective, and fertility is restored when the capsules are removed.

The council said the implants have been approved in 16 countries, where over 500,000 women have used them.

Norplant, which is the first major new contraceptive approved in 30 years, will be marketed by Wyeth-Ayerst Laboratories of Philadelphia, PA. No pricing for the product has been announced yet.

NASA panel recommends changes in shuttle program

National Aeronautics and Space Administration administrator Dick Truly said his agency intends to take seriously recommendations from a top-level review committee, which said that the space shuttle fleet — bedeviled by mechanical problems this year — should be reserved for missions that require people to be involved. It also recommended a redesign of the proposed space station to make it less complex and less costly.

Merrill Lynch analyst expects recession through mid-1991

Analyst Bruce Steinberg of Merrill Lynch said yesterday he expects the economy to decline during the first half of next year, then start recovering in the second half. Several analysts at Kidder Peabody believe the recession is getting underway during the current quarter, will last through the first two quarters of 1991, and will be relatively mild.

Supreme Court to hear case involving freedom of the press

The US Supreme Court agreed yesterday to hear a case testing whether newspeople may be held liable for breaching the confidentiality of their sources. Making reporters liable for breaking confidentiality could open the door to endless threats to the First Amendment freedom of the press.

Columbia lands one day early

Astronauts aboard the Space Shuttle *Columbia* have cut their stargazing short. The shuttle landed last night, one day ahead of schedule. Officials at the National Aeronautics and Space Administration attributed the early return to a rainy forecast for tonight.

Obscenity charges against San Antonio man dismissed

Prosecutors in San Antonio, TX, have dismissed obscenity charges against a man who had been arrested for selling a controversial 2 Live Crew album, but did not explain why. Record store owner Dave Risher said he was pleased, regardless of the reason. The judge questioned officials for taking six months to reach this decision.

Navy makes the year longer

For one second at the end of this month, the world will be in limbo between 1990 and 1991. The US Naval Observatory keeps official track of what time it is. The observatory said time keepers will add a leap second at 6:59:59 pm EST on Dec. 31. The leap second will adjust for the slightly irregular rotation of the Earth.

Volvo advertisement inducted into "Hubbard Hall of Shame"

Volvo is still catching flak for its ad that showed a Volvo withstanding the weight of a truck driven over its roof. It's being inducted the "Hubbard Hall of Shame" for misleading advertising because the car used in the ad had been reinforced.

The sixth annual "Harlan Page Hubbard Lemon Awards" are given out by several consumer, health and environmental groups. Hubbard was best known for marketing a turn-of-the-century medicine touted as a cure for everything from fatigue to cancer.

The groups are asking Congress to give the Federal Trade Commission more authority to regulate advertising. Other awards went to Burger King, General Motors, Philip Morris, Pan Am, Kellogg, Coors Brewing and an unknown company that sponsored a "Fabulous Hawaiian Sweepstakes."

World

More hostages return from Iraq

About 150 former hostages returned home to the United States last night, touching down at Andrews Air Force Base outside of Washington, DC. Some of the returnees looked tired and weak, moving very slowly as they left the plane. The group had stopped in Frankfurt, Germany, after their release Sunday.

Some of the former captives told of hiding barefoot in apartments in Kuwait. Others lived in primitive conditions under Iraqi guard. But one said he was put up in a palace belonging to Kuwait's exiled royal family and ate off fine china. He said it was "bizarre."

Defense Secretary Dick Cheney said the release of the foreign hostages does not mean peace is at hand. Cheney said Saddam Hussein is continuing to build forces in and near Kuwait, and is not backing away from the military occupation. Iraq has said it will not give up the Kuwait, which it considers to be another province. The Iraqi information minister said any thoughts to the contrary are "nothing but dreams."

The exiled emir of Kuwait called on Saddam Hussein to halt what the emir said are atrocities against the Kuwaiti people. He also wants other nations to stand together to help get Iraq out.

In other gulf news, France is planning to send more troops to Saudi Arabia. The French defense minister said commanders wanted reinforcements. He would not give details, however. France has about 6200 army and air force personnel in the multinational force confronting Iraq.

US may provide Soviets food aid

Secretary of State James A. Baker III said President George Bush will be sympathetic to Soviet calls for food and other aid to get the Soviet Union through the winter. Baker spoke in Houston, TX, as he started talks with Soviet Foreign Minister Eduard Shevardnadze. The Soviet official said food is an especially pressing problem. Baker and Shevardnadze will work on nailing down compromises on the remaining obstacles to a treaty reducing the number of long-range nuclear missiles, bombers and submarines by about 30 percent on both sides.

Havel wants additional power to preserve Czechoslovak union

Czechoslovakia's president said his nation is threatened by infighting among the national government, and the Czech and Slovak republics. Dissident-turned-President Vaclav Havel yesterday asked parliament for broad but temporary powers to keep the country together. He said he will spell out what he wants when he submits a bill to parliament. And he said that a Slovak declaration of sovereignty is unconstitutional — in his view, what the national parliament says, goes.

US, USSR agree on formula for Afghans to resolve conflict

Diplomatic sources said the United States and the Soviet Union have developed a plan to let warring Afghans settle their differences themselves. But the diplomats said the document is intentionally vague on how to end the long civil war among forces that are split sharply along ideological and tribal lines. So they do not expect that the agreement will actually end the fighting.

Israeli government orders curfew in Bethlehem

A rare curfew was in effect last night in the West Bank town of Bethlehem, after a bombing on the Jerusalem-Bethlehem highway which killed an Israeli soldier and wounded two others. Arab reports said that, with shops closed and residents ordered off the streets, Bethlehem looks like a ghost town. But photographers said a half-dozen buses arrived under military escort with tourists aboard, who were visiting the Church of the Nativity.

Local

Audit reveals problems at VA medical center

A federal audit of the Boston Veterans Administration Medical Center found lax supervision of drugs, illegal disposal of hazardous materials and wasteful spending. The audit also showed that less than half of the women veterans treated got the five basic diagnostic tests required by the VA. However, an internal audit, which covered September 1986 to September 1989, concluded that overall operations were conducted efficiently. The medical center's director, Smith Jenkins, said corrective measures have been taken to deal with the problems uncovered in the report.

Weather

Frigid air

A very strong low-pressure center over eastern Canada was responsible for the drop in temperatures yesterday. Temperatures fell nearly 20°F (11°C) in four hours, and winds picked up dramatically from the Northwest, making it feel even colder.

This system will inch southward, bringing frigid air and strong winds for today. However, tonight winds will die down and shift to the southwest, bringing milder weather for the second part of the week. The warmer temperatures will also bring some moisture, leading to cloudy skies. There is, however, little chance of precipitation. By Wednesday night, skies will clear, leaving a nice, partly sunny day for Thursday.

Tuesday: Clear and cold. High 37°F (3°C). Strong northwest winds 15-20 mph (24-32 kph).

Tuesday night: Clear with clouds arriving towards dawn. Low 27°F (-3°C). Winds abating and shifting to the southwest, 0-5 mph (0-8 kph).

Wednesday: Cloudy start, with clearing in the late afternoon. High 43° (6°C). Low 33°F (0°C).

Thursday: Partly sunny. High 46°F (8°C).

Forecast by Yeh-Kai Tung

Compiled by Dave Watt and Karen Kaplan

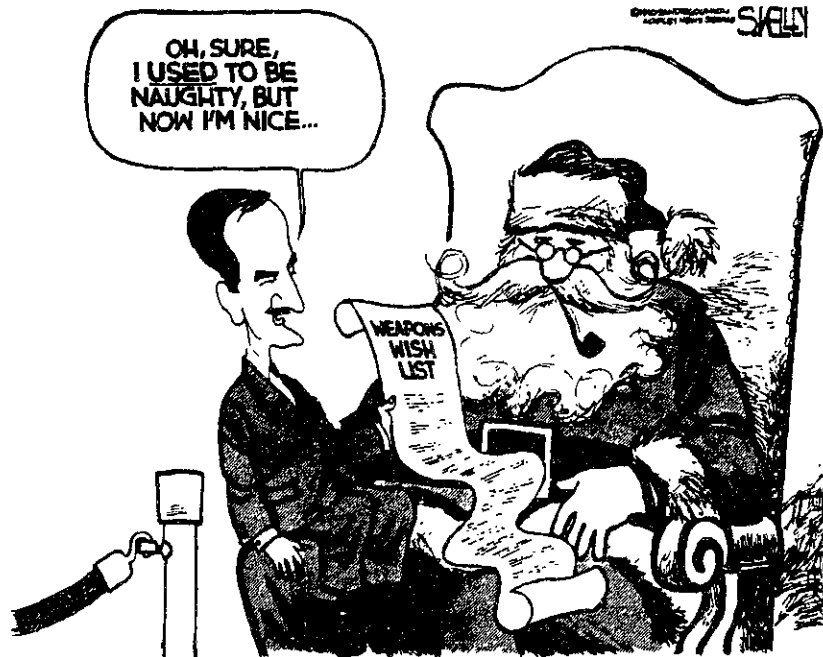
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By Leigh Rubin



"Don't stop munching yet... we still have one hundred and seventy five box tops to go before we can send away for the rubber raft."

opinion



Thailand free — just barely

Column by Matthew H. Hersch

If all soldiers could be leaders, I've often heard, the world would be a much simpler place. And if all the soldiers in the world who thought they could lead became leaders, we'd all be dead. Most revolutions fail because the revolutionary tries to run the nation like he ran the war, full of vitriolic propaganda and rigid discipline at a time when people want food, free choice, and political power. Governments in Mao's China, Castro's Cuba, and Ortega's Nicaragua failed in this way, and fell victim to

Thailand's prime minister is bold and wise. Unfortunately, he'll probably be dead soon.

the same post-revolutionary collapse. Still, it seems, the military leadership of some nations is trying to diversify, at the cost of overpowering the legitimate civilian government.

Recently, Thailand's prime minister, Chatichai Choonhavan, had the gall to defy the orders of his military chief of staff, General Sunthorn Kongsompong, to remove members of the cabinet who had offended the military leadership of the country. Such a move, given Thailand's history of 16 coups in the last 58 years, is nothing short of messianic. Chatichai correctly asserted that his government would lose credibility if it blindly followed the orders of the military. Thailand's prime minister is bold and wise. Unfortunately, he'll probably be dead soon.

In the United States, the armed forces seem to know their place and not question it. For some reason, they neither want nor would accept the job of running the country. To the credit of the American armed forces and the public and politicians that keep tabs on them, the United States has been spared of the kind of factional splits which can tear a country apart. During France's Algerian crisis, a band of creative-minded paratroopers attempted to

Matthew H. Hersch, a freshman, is an associate opinion editor of The Tech.

overthrow the French government. Even in the tightest situations in this country during which the armed forces were mobilized, they followed orders, and never seized cities or seats of government, claiming to have a better idea how to run things.

In the United States, and many other nations as well, the political culture just lacks a Bonapartist tendency. While occasional officers, like General McArthur and Oliver North, pushed the limit on the military's role in politics, most of the armed forces, who in this country are reservists, are happier sticking to their daily lives. When needed, they serve. When their job is done, they go home.

What's in store for nations that aren't so lucky? If the legitimate civilian government gains enough popular support, the army's authority will be discredited. If not, the army may seize power. The military rule may either eventually be overthrown by a new civilian government (or upstart soldier), or, in the worst case, the army may manage to keep the country under its thumb (Cuba, Panama, Argentina...). The odds that a military dictator will receive the full faith and support of his people are slim, but possible nonetheless. In nations wavering between these extremes, a cycle tends to develop. Left-sounding rebellions become right, prompting new

Most revolutions fail because the revolutionary tries to run the nation like he ran the war.

revolutions. People die and little gets accomplished, except that maybe the trains start to run on time.

What should the interested parties in Thailand do? Chatichai should stand firm. The generals, if they want to play politics, should resign and seek political office. If what they have to say is as wise as they believe, they should have no problem convincing the voters in an election. If they hope to control the government at gunpoint, they must be prepared to be replaced, by the civilian leader or the next bunch of revolutionaries that comes along.

The Tech

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ETHICS PANEL



opinion

LETTERS TO THE EDITOR

At home and abroad: Two views of gulf crisis

(Editor's note: The Tech received a copy of this open letter addressed to any student in the Class of 1992.)

What's up?

I'll admit right off, I don't know how to start this letter. I will, however, give it the best that I can.

My name is Chuck Lewis, I'm 19 years old, and I graduated from high school in 1988.

I didn't do too badly in school. I passed Calculus II with a B-, which wasn't bad. I played a few sports, mostly soccer and track. I played left fullback and did the polevault, and a few other sports, but was by no means a jock.

I wasn't sure about college. I sort of wanted to go, but I didn't know if I should.

So, right out of high school, at 17, I left my girlfriend and joined the army.

I didn't want to be a grunt, but, I didn't want a soft job either.

I went military intelligence, which I later learned at times is a contradiction of terms. But for a thrill, and the fact that the picture on the wall looked cool, I went airborne.

So, almost a full year from starting basic, I wound up in the 82nd Airborne Division, with a pair of jump wings and a new girlfriend, my old one having left me.

Well, I stayed in North Carolina for seven months, and all was quiet, except for a couple of jumps into exercises that weren't the smoothest, and then one cold day in December, we had an "exercise," and when we jumped after an extra-long flight, it wasn't too cold anymore.

It was dark, and it was hot.

Welcome to Panama.

Eighteen years old and jumping into combat. Why? Couldn't I have been in college? I guess so.

Anyway, I turned 19, in Panama. Dec. 24. Oh, well, next year, right? Wrong!

Okay, a little over half a year goes by, and here I am again. Only this time, it's the Middle East.

My birthday coming soon again, all I can say is, next year, right?

Good things have come out of the Army though, not the best of which is all the stories I have now, and I'm still only 19.

Other things are I've met a lot of great people, learned to surf and a couple of other things.

I guess I told you all that so you can answer the following question with a little bit of knowledge of what could have happened to you if you had made my choices:

Are you glad you went to college?

What do you and your friends think about what happened in Panama and what may happen in the Middle East? Are they for or against military action? How do they feel about this political bullshit that's going on in Washington?

I really would like to know, and if there's anything else you'd like to say, say it, or something you want to know, ask it!

I hope this gets to someone. If you do get this, please write back.

Thanks a lot.

Spc. Chuck Lewis
037-44-9439
D 00 313 MI BN
82nd ABN DIV
APO NY-09656

Administration should permit non-MIT participation in IAP

After reading that enrollment in Independent Activities Period was declining, I was dismayed. IAP is a unique opportunity for students to pursue interests of their own when they otherwise would not.

I am currently a sophomore in the College of Engineering at Cornell University in Ithaca, NY, and I know of no college or university, including Cornell, that has such an innovative program.

If enrollment in IAP were declining, surely MIT would not hesitate to increase enrollment (and revenue) by opening IAP to students outside of MIT. After hearing of such vast opportunities existing during IAP from my MIT friends, I decided to write to the IAP office if they could open IAP to students who did not attend MIT.

This would seem like a logical move. By opening IAP to non-MIT students, you would not only increase enrollment, but also provide an environment for non-MIT students and MIT students to interact. How often do MIT students have the opportunity to relate experiences and interests with non-MIT students in the same fields? Not often at all.

So I wrote to Associate Dean for Student Affairs Mary Z. Entertine to inquire about participation in IAP. Her response was as follows: "I appreciate your interest in participating in IAP. Unfortunately, as you are already aware, MIT does not admit special students solely for IAP. Because we have a 4-1-4 calendar year, there is no centralized regis-

tration during IAP and we do not set fees for individuals."

Yet Wellesley students are free to register for IAP activities, and their academic year is structured differently than MIT. I urge the IAP department to open IAP to all interested students. This will not only revitalize IAP with an increase in the number of participants, but offer an environment for students from different schools with the same interests to interact and share experiences, as well.

Only good can come out of opening IAP to outside students. It would be a shame if IAP were to be terminated due to a lack of interest from MIT students. I urge MIT students to take advantage of such an opportunity, and hope that this unique and exciting program will be opened to non-MIT students in the future, because IAP, in its MIT form, exists nowhere else in the world except for MIT.

John K. Lin
Cornell University
Class of 1993

The current anti-war "movement" in the United States certainly has a noble cause, yet the members' efforts are somewhat misplaced, and their sense of history slightly is lacking.

At the recent Boston peace rally, Hampshire College Professor Michael Klare stated that "war is likely because Bush has ruled out any other possibility" ["10,000 rally against Mideast war," Dec. 4]. Does Klare have some inside connection to the president that the rest of us are not privy to?

It seems far more likely that George Bush is following a policy which takes into account some important lessons from recent history, namely Munich, Vietnam, and the Cold War.

The Munich agreement of 1938 was an effort to halt the growth of German Nazi control. It was hoped that Hitler would be satisfied once he was in possession of Austria and the Sudetenland, but as we know, the policy of appeasement did not satiate the Nazi appetite for expansion. Chamberlain's "Peace in Our Time" simply did not come to pass.

Johnson's Vietnam policy of gradual escalation was designed to stop North Vietnamese aggression with the minimum use

of American troops and materials. This gave the enemy opportunity to rebuild their own forces and allowed them to spread their losses over an extended timeframe.

Combined with the limited effectiveness of advanced weapons against dispersed targets, Johnson's plan could only lead to a stalemate in Southeast Asia. The Vietnam model will not apply in Kuwait for two reasons. If we do go to war, it will not be a slow, overcautious application of force, but a crushing blow of all available resources.

Also, Iraq's army is more comparable to the classic Western army, and there will be no shortage of hard military targets for our airpower and advanced weapons.

The main lesson to be learned from the "victory" over communism in the Cold War has been the success of deterrence. The buildup of a credible defense against communist expansion is all that kept the Warsaw Pact in check for 40 years.

The Soviet Union knew that it could not recklessly expand without the resistance of a powerful United States. Limited in their ability to expand and gain more resources by force, the Soviet Union eventually fell victim to its

own economic and bureaucratic system.

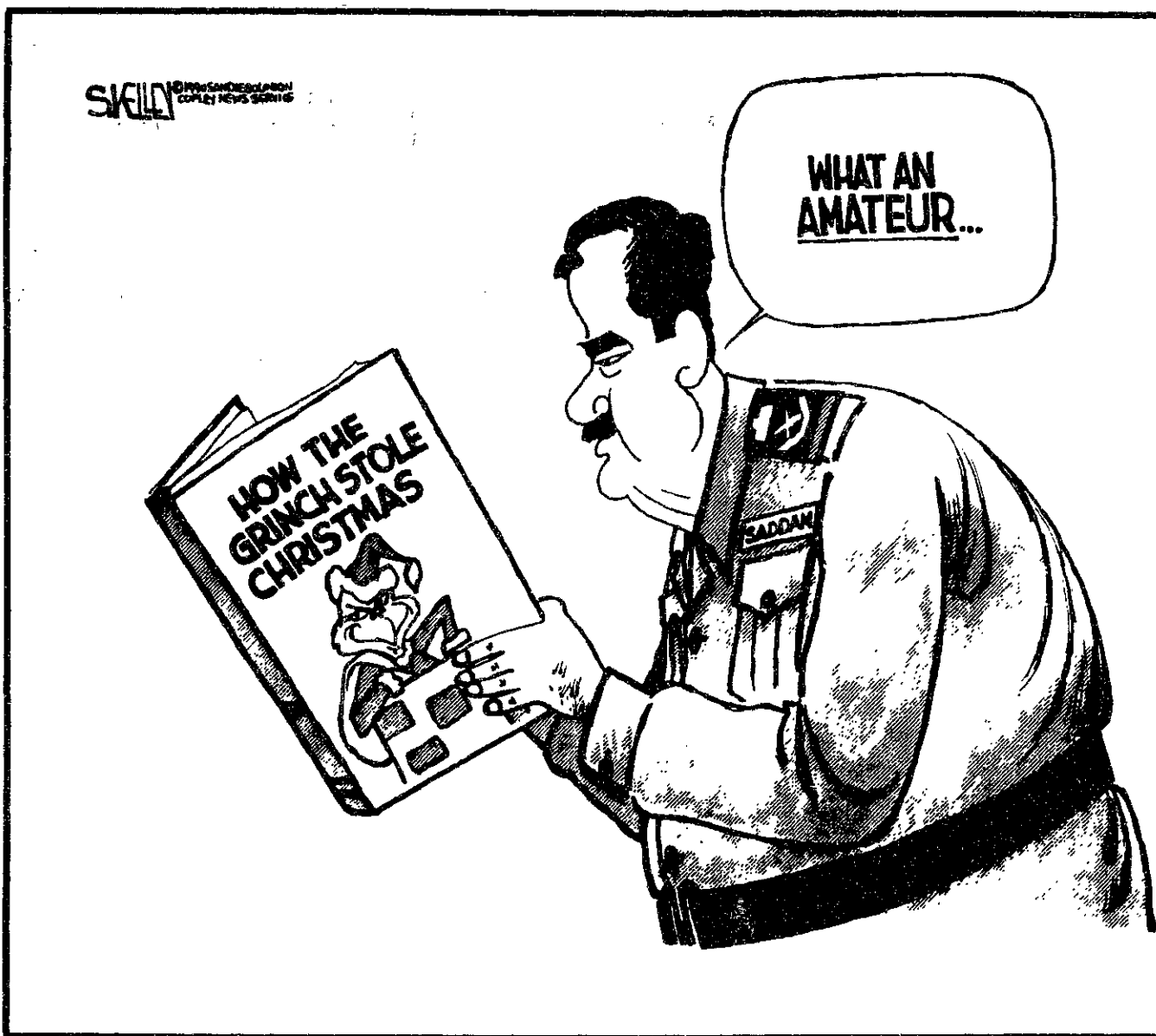
Obviously, Bush has taken all of these lessons into account in planning a Persian Gulf strategy. The only way to avoid war is to convince the Iraqis that we are willing to fight one and that we have the means to do so.

Bush cannot whisper aside to the American populace, "Pssst... I'm not really trying to start a war, I'm just trying to make Saddam Hussein realize that a war with the United States is patently unwinnable for Iraq and probable if he doesn't quit Kuwait. Don't tell any of our Iraqi friends..."

It is simply unrealistic to ask the president to explicitly lay all his cards on the table. The first rule of negotiation is to do so from a position of strength. Our buildup of weapons and troops in the Persian Gulf area lends credence to our demands for an Iraqi withdrawal.

The additional troops recently sent to the gulf make war less likely, not more so. Therefore, the best way to work for peace in the Middle East is to support the president and back our commitment to calling for an Iraqi withdrawal from Kuwait.

Timothy M. Townsend '90



Thank you Bill Jackson, for writing so poorly

Bill Jackson is the worst columnist I've ever read in any publication. He is therefore the best thing that has ever happened to The Tech.

Bill is a consummate boor. His prose is gleefully obnoxious on occasion, but generally full of

crap, embodying none of the wit and caustic heat-seeking temperament we have come to expect in P. J. O'Rourke and used to expect in Hunter S. Thompson. Jackson is a failed gonzo scribe, trying so hard to emulate the stone-crazed mythical figures

of American journalism that he ends up sounding like a two-bit shyster, a young Andy Rooney with a *Penthouse* subscription.

But he has guts. He is not afraid to be completely, often ridiculously, wrongheaded and stupid. This puts him far above the host of other *Tech* writers, especially the arts reviewers, who are afraid of their own bodily functions. I'd lay odds that the reviewing staff are naught but a few algorithms running loose in one of Marvin Minsky's contraptions.

God bless you, Bill. You are the last breathing, farting, human writer at *The Tech*. You are our only hope.

Greg Teran '92

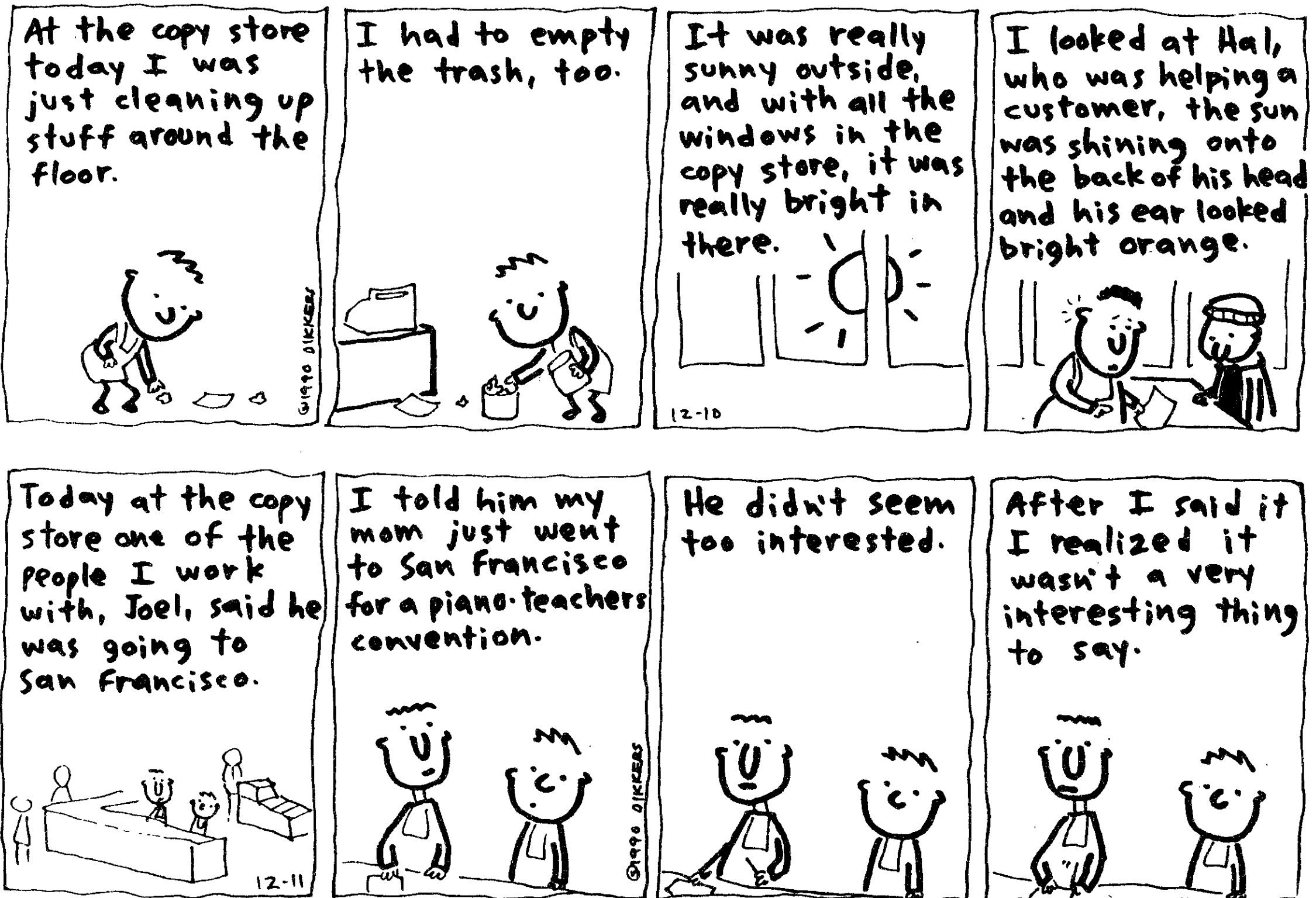
Letters policy

The Tech welcomes letters from its readers. All letters are subject to editing and are published solely at the editors' discretion. Authors must sign their letters and include their phone number, and MIT affiliation, if any, for verification, and should type letters double-spaced for ease of reading. Letters should be kept under 500 words. The Tech publishes letters anonymously only in rare circumstances, at the editors' discretion. Bring letters to The Tech's office on the fourth floor of the MIT Student Center or send them to: Letters to the editor, The Tech, P.O. Box 29, MIT Branch, Cambridge, MA 02139; or to Room W20-483 by interdepartmental mail. Electronic submissions may be mailed to tech@athena, and must contain the writer's full name, phone number, address and MIT affiliation (if any).

comics

Jim's Journal

by Jim



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in the UA Office, Room W20-401**

Deadline - December 13

City campus crime trends vary



Tech file photo
Campus Police Chief Anne P. Glavin

(Continued from page 1)

below the minimum, we call up other officers on an overtime basis," he said.

Devlin explained that BU patrols differ from those at MIT. "Foot patrols are done only in response to special needs," he said.

"There are usually four or five cars at [the main campus]. Generally, at least one car has two officers, while the others have one."

"Also, we don't have patrol zones," Devlin added. "Officers use their own initiative while on patrol."

Many other universities in the area organize their police patrols in much the same way as MIT. Both Harvard and Northeastern also have geographically defined routes that their officers patrol.

Northeastern, like MIT, has no minimum manning policy. Ferrier explained that "there are guidelines for shift supervisors to fol-

low, and it is up to their discretion" to decide whether a shift is understaffed. "We generally have at least five officers on patrol at any time, both in cars and on foot," he added.

In addition to its own officers, Northeastern University also hires a private security firm under contract, Ferrier said. "The contractors do foot patrols around some residence halls. They add the equivalent of about 55 more employees," he said.

Harvard's patrols are done almost exclusively in cars, though Johnson, Harvard's chief, said they had "directed patrols," in which officers leave their car and walk around a specific area.

Recent crime stats show no overall trend

MIT's crime rate for the first six months of 1990 is down overall from the first half of 1989, Glavin reported. Other area universities report both declines and increases in their crime rates.

Fourteen serious crimes took place on campus between Jan. 1 and June 30, 1990. The same

FHC recommendations are put on hold for now

(Continued from page 1)

an all-freshman dormitory, but did suggest a mandatory random distribution of freshmen throughout the dormitory system, according to Wrighton.

Wrighton said that as a parent he favors on-campus housing for the first year so that students can adjust and be involved in the MIT community.

The committee also recommended that Residence/Orientation Week be re-focused to emphasize academic orientation and academic opportunities and pro-

vide a more complete introduction to the MIT community.

This recommendation influenced changes in this year's R/O, with the introduction of the design project and emphasis on breaking the freshmen up into smaller discussion groups to allow them to ask questions about MIT in an informal setting.

Last year, many students voiced opposition to the recommendations, arguing that the change would radically affect the present residential system and restrict students' freedom of choice in residence selection.

Northeastern has also seen crimes on campus fall, while Boston University's on-campus crime has increased approximately 10 percent. Johnson said crime at Harvard has been "about the same in general" as last year.

BU Police Chief Devlin said the BU crime rate "tracks well" with the national average, and that the increase was "not unusual at this time."

The increase in crime at BU is due largely to an increase in burglaries, a memo released by Devlin shows.



Alfred C. Tom

The triumphant MIT team at a Nov. 28 pool tournament at the Boston Billiards Club in Brookline. MIT competed with other large Boston-area colleges, defeating Harvard in the final round. A \$1000 check to the Families in Transition Shelter was given in the name of the team, which was composed of Interfraternity Council members and graduate students.

Meet "Doonesbury"

Creator Garry Trudeau

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CONTACT: Greg Jackson (gjackson@athena) or Jane Sherwin
(tilla@athena), both at X3-7909, Room 20B-140

Happy



The Concord Bell Choir



photo by Vipul Bhushan



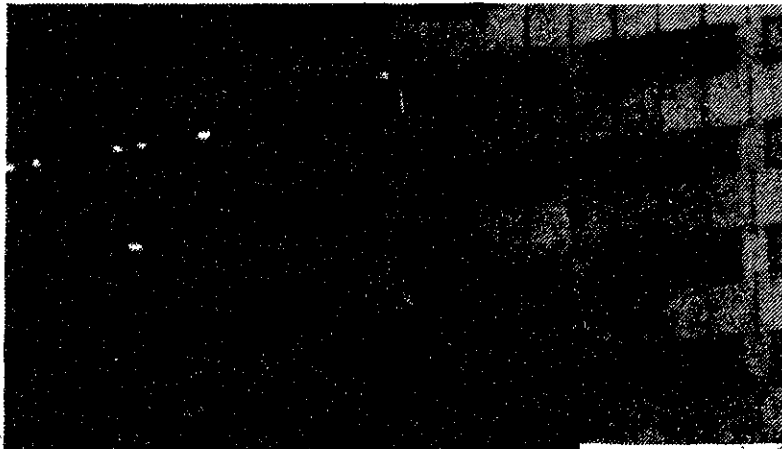
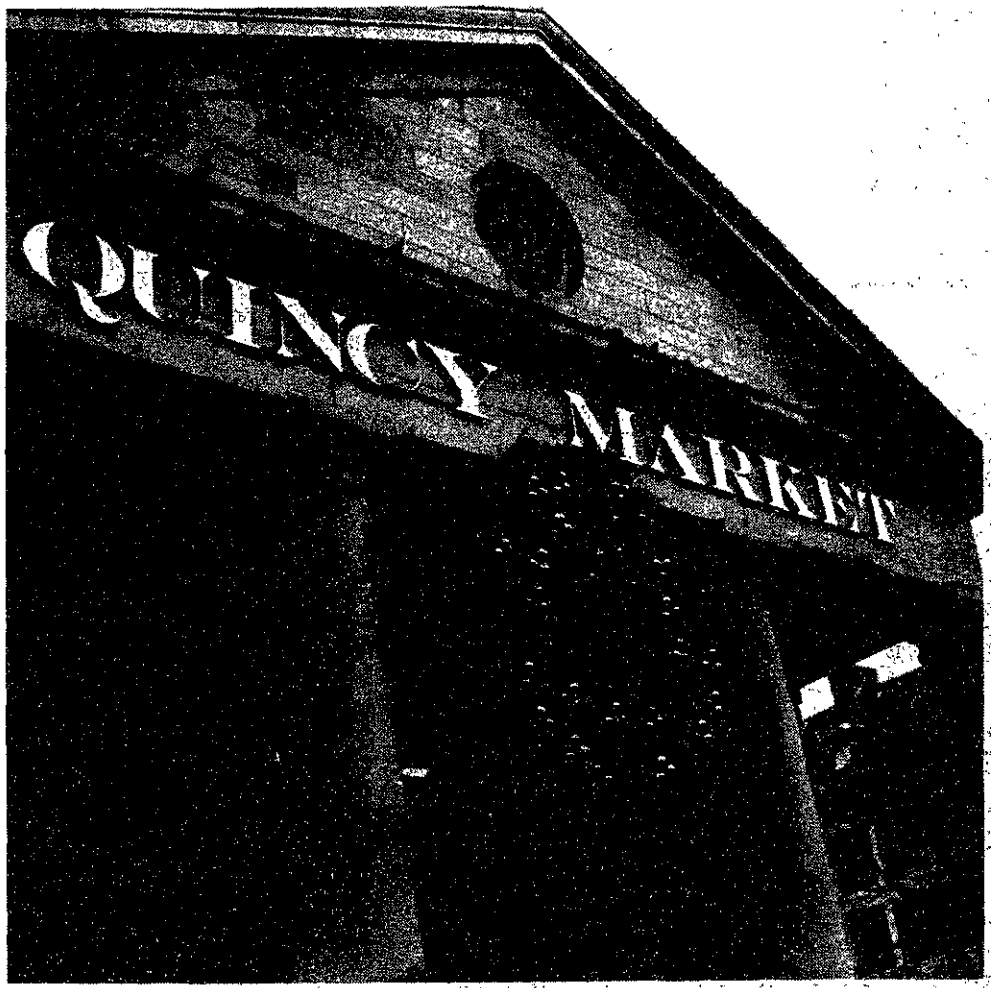
The Muses

photo by Douglas D. Keller



photo by
Michelle Greene

Holidays



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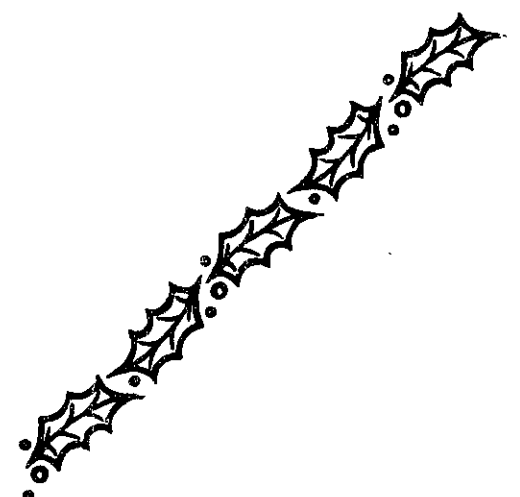
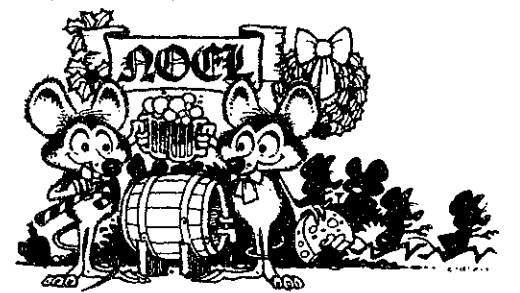
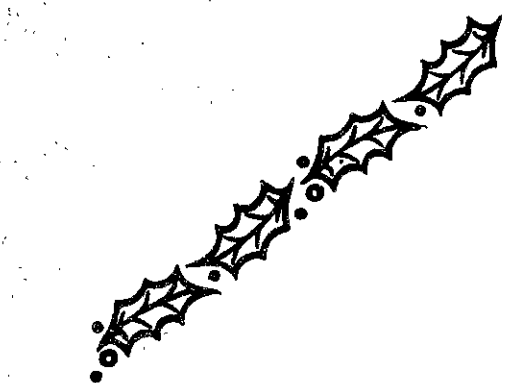
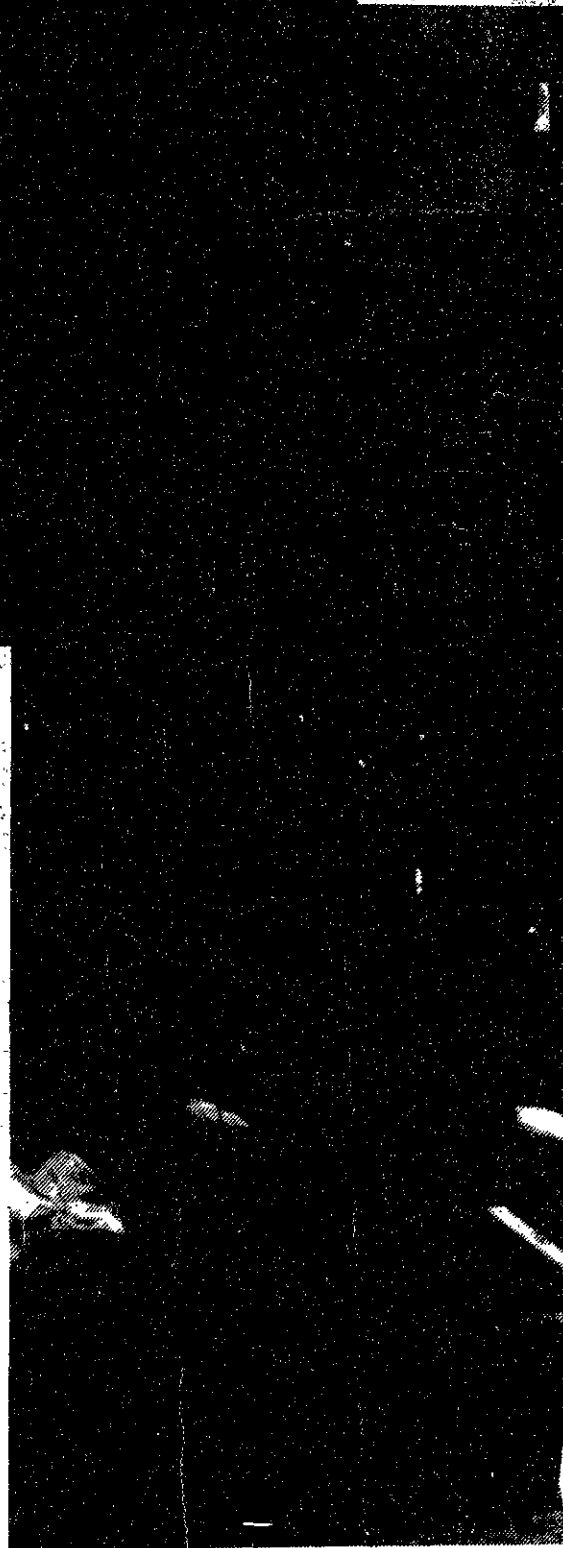


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The Boston Bells



photos by Michelle Greene

# Tremendous student recital by Kreuze in Kresge

DEBORAH KREUZE  
Kresge Auditorium, Sunday, Dec. 9.

By JULIO FRIEDMANN

WITH A BOLD and fresh program, soprano Deborah Kreuze '91 showed off MIT's musical talent at its most imaginative. Her recital, titled *Sorry, No Bach*, was given in Kresge and sported 50 minutes of music from 20th century composers. The program split evenly American school and Viennese school music. There were works by MIT student composers as well as from turn-of-the-century heavyweights.

Daniel Schmidt '91 set texts from elementary school children in his *Five Very Early Songs* (1990). The texts were bouncy, fresh, and stagey, including "the thousand dollars" and "unicorn and dum the dragon." Composed in a catchy, dance-based style, the pieces showed tremendous economy as well as native understanding of the voice and of dramatic sensibility. Schmidt accompanied his sometimes hectic pieces

on the piano with panache and enthusiasm. They are some of the finest songs heard in years and display Schmidt's tremendous potential for an individual American idiom.

*Voice and Percussion* (1990) by Charles Pokorny '91 is an experimental venture into the potential of wordless voice. Scored for a small, Crumb-ian percussion ensemble (complete with requisite xylo-bowing) played by Eric Ostling '88, the piece's spare texture and angular, non-intuitive lines provide a tremendous risk for the singer. Though Kreuze clearly rose to the challenge, the music's eclectic wanderings lacked sufficient definition to provide a frame for performance. Nonetheless, the piece's parsimony and pointillism were fresh and daring, certainly worth the rehearsal time.

After the superb student works, Kreuze tackled some of the most difficult vocal literature imaginable. *Twelve Songs by Emily Dickinson* (1951) are the pinnacle of the late Aaron Copland's vocal works, written in astonishing clarity and beauty. This clarity, however, leaves the performer

exposed, almost naked, through long sustains and death-defying leaps. Their vocal range is as large as the emotional range. These pieces define American art song, and for this reason are very rare for student projects.

Equally difficult are Alban Berg's *Seven Early Songs* (1905-1908), the last group of tonal-chromatic *Weltschmerz* before the birth of atonal chromaticism and Viennese serialism. These songs — from seven turn-of-the-century German poets — are brooding, tender, ecstatic, and thoroughly romantic; and their rich harmony, inner voices, and inherent mixture of drama and repose are very challenging.

How marvelous, then, to hear Kreuze hit the boards hard. The Schmidt songs came alive in wonder and precocious observation. The Berg songs, especially the first three, were balanced yet emotional, occasionally epic when the score demanded epic treatment. Unfortunately, Kreuze's technical weaknesses were most visible in the middle pieces. Her occasional breathiness, lack of visceral breath-connection, and thin upper-regions sound could not be

covered by the thin texture of Pokorny's or Copland's works. Although her natural inclinations toward romantic interpretations would have stood her through these two works, her insecurity was augmented by more traditional, less heartfelt approaches to both text and score. Nonetheless, though these pieces were less successful, Kreuze was occasionally able to hit emotional paydirt and give the audience something very personal to take home.

It is perhaps not surprising that Kreuze did so well with "early songs," being yet early herself. However, like the pieces in question, she shows tremendous artistry and a clear dramatic understanding. She could quite realistically become another Jan de Gaetani once her technique solidifies. It would be very rewarding to hear Kreuze perform Hindemith's *Mariensleben* (first version) or a bank of Kurt Weill or Cole Porter or Poulenc tunes. She has certainly, through her own rough and tumble way, shown that she is a very promising talent, continuing a string of surprising young stars at this school.

# Christmas albums for curling up by the fire with cocoa

ACOUSTIC CHRISTMAS  
Various artists.

Columbia Records.

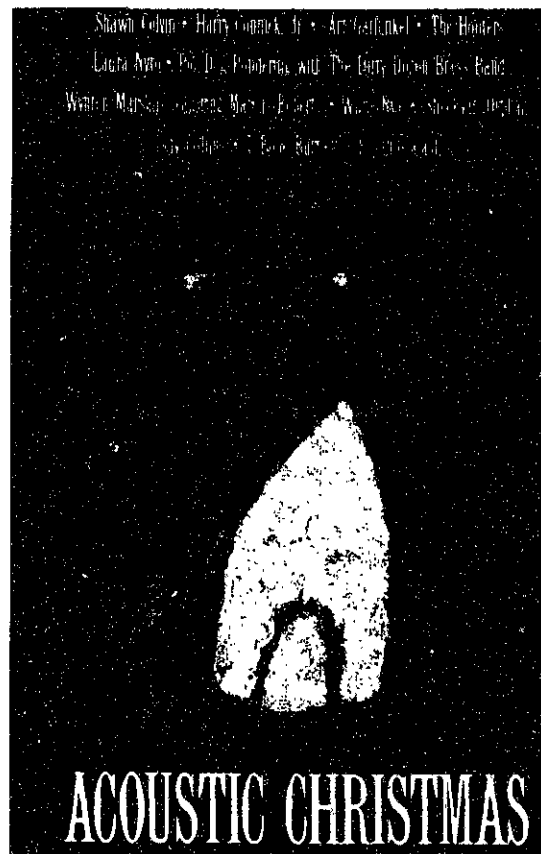
A JAZZY WONDERLAND

Various artists.

Columbia Records.

By DEBORAH A. LEVINSON

WHEN YOU'VE WORKED AS many Christmases in record stores as I have, you get to hear a lot of Christmas music. Some of it is pretty good, like the *A*



*Very Special Christmas* compilation that appeared a couple of years ago. Some of it, like George Winston's omnipresent white pillow, *December*, just makes you want to strangle the customers.

So I guess I bring a different perspective to Christmas music. Since this is the kind of sentimental fluff we hear non-stop for a month of hectic shopping days, I have a very simple criterion for Christmas music: Will it annoy me?

*Acoustic Christmas* is definitely not annoying music. It features acoustic offerings by artists operating on the fringes of electric and acoustic music: Shawn Colvin, Poi Dog Pondering, Shelleyan Orphan. Of course, like all compilation albums, it's a little hit-or-miss; but those that hit are fine indeed.

It opens with a melancholy, country-tinged version of "God Rest Ye Merry Gentlemen," by T-Bone Burnett. Burnett's raspy, nasal voice is an unlikely vehicle for such a peaceful song, and while I enjoyed it, this is definitely not a song to play to pep up a Christmas gathering.

To really get the party going, you have to skip to side two for "Mele Kalikimaka," by Poi Dog Pondering and The Dirty Dozen Brass Band. This one chugs along merrily, sousaphone pumping away for a real New Orleans feel. Lap steel guitar and saxophones trade joyful ragtime solos. It's Honolulu-in-Louisiana, full of cheerful irreverence: "Here we know that Christmas will be green and bright/ Sunshine by day with all the stars by night."

The album also includes songs by artists who operate almost exclusively on the acoustic front. Judy Collins turns in a gen-

tle, subdued "The Little Road to Bethlehem," and Art Garfunkel sings "O Come All Ye Faithful." (Garfunkel's is the second version of "Faithful" to appear on the album; Columbia revives a version by Wynton Marsalis and Marcus Roberts from Marsalis' release, *Crescent City Christmas Card*.)

Garfunkel's "O Come All Ye Faithful" is truly beautiful, a simple hymn framed by acoustic guitar and accordion. The slavish overdubbing of Garfunkel's voice is a real flaw, but the song withstands this uncharitable treatment admirably. This is no Simon and Garfunkel "Silent Night" — no political statements here — it's just peaceful and comforting, a neat addition from a man who hasn't made any significant recordings in quite a few years.

*A Jazzy Christmas* is my favorite kind of Christmas album: pleasant background music without overly religious lyrics. (The irony of a Jew reviewing Christmas albums has not escaped the editors here at *The Tech*.) Harry Connick Jr. delivers a suave, urbane "This Christmas," complete with a wry, winning soprano sax solo from Branford Marsalis. Connick has become a sort of Johnny Mathis or Tony Bennett for the 1990s: "Hang all the mistletoe/ I'm going to get to know you better," he croons slyly.

Bennett himself shows up for a pretty standard rendition of "White Christmas." For those of you who have worn out your Bing Crosby Christmas albums, this is an adequate substitute, and Dexter Gordon provides a tender saxophone accompaniment that never edges into sentimentality.



Still, it's nice to hear Wynton Marsalis grooving along on "Winter Wonderland," and his father, Ellis Marsalis, delivers an understated but tingling "This is Christmas."

Neither of these albums is over-the-top, exuberant Christmas spirit. If you want that sort of music, buy *A Very Special Christmas*. If you want curling-up-by-the-fire-with-hot-chocolate kind of music, then I recommend *Acoustic Christmas* and *A Jazzy Christmas*.

POETRY AT THE MEDIA LAB

presents

## Sharona Ben-Tov

Sharona Ben-tov is a lecturer in Stanford's Program in Values, Technology, Science, and Society. She has published one book of poetry, "During Ceasefire" (1985), and her poetry has appeared in "The Paris Review," "Harvard Magazine," "The Yale Review," and other magazines and anthologies.

December 13, 1990 at 7:30 p.m.  
Bartos Theatre  
Wiesner Bldg., Lower Level

For Information, call x3-0312



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## ARTS

## On The Town

Compiled by Peter Dunn

## Ongoing Theater

\*\*\* CRITICS' CHOICE \*\*\*  
**A Child's Christmas in Wales**, Dylan Thomas' story of a young boy's remembrances of past Christmases, continues through December 23 at the Lyric Stage Theatre, 54 Charles Street, Beacon Hill, Boston. Performances are Wednesday-Saturday at 8 pm and Sunday at 3 pm. Tickets: \$13.50 to \$17.50. Telephone: 742-8703.

**Contemporary Insanity II: The Sequel**, tackling censorship, ethics, sex, and scandal, continues indefinitely at the Boston Baked Theatre, 255 Elm Street, Davis Square, Somerville. Performances are Friday at 8:15 and Saturday at 7:00 & 9:15. Tickets: \$14.50 and \$16. Telephone: 628-9575.

**Feeding the Beast**, Eliza Wyatt's comedy of two big-city writers competing to get published, continues through December 22 as a presentation of UNIT II at the Leland Center, Boston Center for the Arts, 539 Tremont Street, Boston. Performances are Thursday-Saturday at 8 pm. Tickets: \$8.50. Tel: 566-0083.

**Forbidden Broadway's Forbidden Christmas**, a special Christmas edition of *Forbidden Broadway* 1990, the latest updated version of Gerard Alessandrini's musical comedy revue, continues indefinitely at the Terrace Room, Boston Park Plaza Hotel. Performances are Tuesday-Friday at 8 pm, Saturday at 7 pm & 10 pm, and Sunday at 3 pm & 6 pm. Tickets: \$17 to \$25 depending on performance. Telephone: 357-8384.

**A Girl's Guide to Chaos**, the off-Broadway comedy hit about the rocky road to romance, continues through December 31 at Nick's, 100 Warrenton Street, Boston. Performances are Wednesday-Friday at 8:00, Saturday at 5:00 & 8:00, and Sunday at 3:00. Tickets: \$10 to \$18.50. Telephone: 482-0930.

\*\*\* CRITICS' CHOICE \*\*\*  
**Groucho, A Life in Review**, based on the life, loves, and laughs of Groucho Marx, continues indefinitely at the Theatre Lobby, 216 Hanover Street, Boston. Performances are Tuesday-Friday at 8 pm, Saturday at 6 pm & 9 pm, with matinees on Wednesday at 2 pm and Sunday at 3 pm. Tickets: \$13 to \$24 general, \$10 students (through December 20). Telephone: 227-9672.

**The Homecoming**, Harold Pinter's provocative play of family passions, sexual

jealousies, and explosive class tensions, continues through January 19 as a presentation of the American Repertory Theatre at the Loeb Drama Center, 64 Brattle Street, Cambridge. Performances are Tuesday-Friday at 8 pm, Saturday at 2 pm & 8 pm, and Sunday at 2 pm & 7 pm. Tickets: \$17 to \$35. Telephone: 547-8300.

\*\*\* CRITICS' CHOICE \*\*\*  
**Harpies Bizarre!**, Lydia Sargent's comic satire looking at how women are enjoying the fruits of liberation, continues through December 15 at the Newbury Street Theater, 565 Boylston Street, Boston. Performances are Thursday-Saturday at 8 pm. Tickets: \$5 to \$8. Telephone: 262-7779.

**Nonsense**, Dan Goggin's comedy about the Little Sisters of Hoboken who stage a talent show to raise money to bury four of their number, continues indefinitely at the Charles Playhouse, 74 Warrenton Street, Boston. Performances are Tuesday-Friday at 8 pm, Saturday at 6 pm & 9 pm, with matinees Thursday at 2 pm and Sunday at 3 pm. Tickets: \$15.50 to \$26.50 general, half-price for seniors and students on Thursday matinee. Telephone: 426-6912.

**Once In A Lifetime**, George S. Kaufman and Moss Hart's satiric view of the Hollywood success ladder, continues through January 26 as a presentation of the American Repertory Theatre at the Loeb Drama Center, 64 Brattle Street, Cambridge. Performances are Tuesday-Saturday at 8 pm, Sunday at 7 pm, with Saturday & Sunday matinees at 2 pm. Tickets: \$17 to \$35. Tel: 547-8300.

**The Servant of Two Masters**, Carlo Goldoni's 16th century Italian comedy of mistaken identity, family honor, and mixed-up love, continues through December 31 at the New Ehrlich Theatre, 539 Tremont Street, Boston. Performances are Thursday & Friday at 8:00, Saturday at 5:00 & 8:30, and Sunday at 2:00. Tickets: \$15. Telephone: 482-6316.

**Shear Madness**, the long-running comic murder mystery, continues indefinitely at the Charles Playhouse, 74 Warrenton Street, Boston. Performances are Tuesday-Friday at 8:00, Saturday at 6:30 & 9:30, and Sunday at 3:00 & 7:30. Tickets: \$18 and \$23. Telephone: 451-0195.

**Snow White and The Seven Dwarves** continues through December 16 at the Boston Baked Theatre, 255 Elm Street, Davis Square, near the Davis Square T-stop on the red line. Performances are Saturday at 1 pm and Sunday at 1 pm & 3 pm. Tickets: \$5. Telephone: 628-9575.

## Ongoing Exhibits

## ON CAMPUS

**Awon Orisa: The Gods/Africanisms in the Americas**, exploring the manifestations of Yoruba religious belief in the Americas, continues through December 16; **Berenice Abbott**, 47 cityscapes and eight portraits by the 92-year-old photographer who corroborated scientific laws through photographs, continues through December 30; and **Doe Edgerton: Stopping Time**, photographs and memorabilia documenting the invention and use of the strobe light, continues indefinitely at the MIT Museum, 265 Massachusetts Avenue, Cambridge. Museum hours are Tuesday-Friday 9-5 and Saturday-Sunday 1-5. Admission: \$2 requested donation, free to MIT community. Telephone: 253-4444.

(not so) **Simple Pleasures**, artwork examining various subtle strategies that artists use to embed potent meaning within an attractive object or image; and **The Missing Picture**, alternative contemporary photography from the Soviet Union, works by five artists addressing the ideological functions of the photographic medium, continue through February 13 at the List Visual Arts Center, MIT Wiesner Building E15. Gallery hours are weekdays 12-6 and weekends 1-5. No admission charge. Telephone: 253-4680.

**Lawrence B. Anderson '30: Artist, Educator, Architect**, an installation celebrating the distinguished career of the former dean of the MIT School of Architecture, continues through December 14 at the Compton Gallery, between Buildings 10 and 13. Gallery hours are weekdays 9-5. No admission charge. Tel: 253-4444.

## OFF CAMPUS

**The Annual Student Exhibition and Sale** continues through December 12 in the George Sherman Union Gallery, Boston University, 775 Commonwealth Avenue, Boston. Gallery hours are weekdays 10-5 and Wednesday 10-8. Tel: 353-9425.

**Enlightenment of Nature**, watercolors and oil paintings by Yoshio Imakita, continues through December 13 at Kaji Aso Studio, 40 St. Stephen Street, Boston. Gallery hours are Tuesday-Saturday 1-5. No admission charge. Telephone: 247-1719.

**The Unique Print: 70s into 90s**, 100 printed images documenting the surge of interest in the unique print in the last decade, continues through December 16 in the Torf Gallery, Museum of Fine Arts, 465 Huntington Avenue, Boston. Museum hours are Tuesday-Sunday 10-5 and Wednesday 10-10. Admission: \$6 general, \$5 seniors and students, free with MIT ID. Telephone: 267-9300.

**Fort Point Arts Community: Into the Second Decade**, featuring works by 52 artists from the largest concentration of artists in New England, continues through December 21 at the Federal Reserve Bank of Boston Gallery, 600 Atlantic Avenue, across from South Station in downtown Boston. Gallery hours are weekdays 10-4. No admission charge. Telephone: 973-3453.

tic Avenue, across from South Station in downtown Boston. Gallery hours are weekdays 10-4. No admission charge. Telephone: 973-3453.

**Pathways**, a new light installation by environmental sculptor Beth Galston, continues through December 21 at the Huntington Gallery, Mass. College of Art, 623 Huntington Avenue, Boston. Gallery hours are weekdays 10-6 and Saturday 11-5. No admission charge. Telephone: 232-1555 ext. 550.

**Paintings by Henri Seigle**, a member of the original Surrealist group, continues through December 23 at the French Library in Boston, 53 Marlborough Street, Boston. Library hours are Tuesday-Saturday 10-5 and Wednesday-Thursday 10-8. No admission charge. Telephone: 266-4351.

**Like a One-Eyed Cat**, combining well-known with previously unexhibited photographs by Lee Friedlander 1956-87, and **Edgerton, Gohlke, Papageorge and Siskind: A Photographic Portfolio**, continue through December 23 at the Wellesley College Museum, Jewett Arts Center, Wellesley. Museum hours are Monday-Saturday 10-5, Tuesday & Wednesday 10-9, and Sunday 2-5. No admission charge. Telephone: 235-0320 ext. 2051.

**Founding Farms: Five Massachusetts Family Farms, 1638-Present**, a photographic exhibit, continues through December 31 at the Commonwealth Museum, 220 Morrissey Boulevard, Dorchester, near the JFK/UMass/Columbia T-stop on the red line. Museum hours are Monday-Friday 9-5 and Saturday 9-3. No admission charge. Telephone: 727-9268.

**What Makes Music?**, examining the relationship between science and sound and exploring the latest in sound technology, continues through January 1 at the Museum of Science, Science Park, Boston,

near the Science Park T-stop on the green line. Museum hours are Tuesday-Sunday 9-5, Friday 9-9. Admission: \$6 general, \$4 seniors and children, free with MIT ID. Telephone: 623-6664.

**Black Achievers in Science**, profiling 16 black men and women who are experts in their various fields, continues through January 6 at the Museum of Science, Science Park, Boston, near the Science Park T-stop on the green line. Museum hours are Tuesday-Sunday 9-5, Friday 9-9. Admission: \$6 general, \$4 seniors and children, free with MIT ID. Telephone: 623-6664.

**Between Spring and Summer: Soviet Conceptual Art in the Era of Late Communism**, a comprehensive look at the recent work of more than 20 Soviet artists and architects, continues through January 6 at the Institute of Contemporary Art, 955 Boylston Street, Boston. Institute hours are Wednesday-Sunday 11-5, Thursday-Saturday 11-8. Admission: \$4 general, \$3 students, \$1.50 seniors and children, \$1 MIT students. Telephone: 266-5152.

**Monotypes: Degas to Picasso** continues through January 13 at the Museum of Fine Arts, 465 Huntington Avenue, Boston. Museum hours are Tuesday-Sunday 10-5 and Wednesday 10-10. Admission: \$6 general, \$5 seniors and students, free with MIT ID. Telephone: 267-9300.

**Awards in the Visual Arts 9**, approximately 50 pieces of American contemporary art by 10 new and emerging artists, continues through January 13 at the Arthur M. Sackler Museum, Harvard University, 485 Broadway, Cambridge. Museum hours are Tuesday-Sunday 10-5. Admission: \$4 general, \$2.50 seniors and students, under 18 free. Tel: 495-9400.

**Rosso Revealed**, focusing on the restoration of Il Rosso Fiorentino's *Dead Christ with Angels*, continues through Janu-

ary 20 in the Charles C. Cunningham Gallery, Museum of Fine Arts, 465 Huntington Avenue, Boston. Museum hours are Tuesday-Sunday 10-5 and Wednesday 10-10. Admission: \$6 general, \$5 seniors and students, free with MIT ID. Telephone: 267-9300.

**Tropical Rainforests: A Disappearing Treasure** continues through January 20 at the Museum of Science, Science Park, Boston, near the Science Park T-stop on the green line. Museum hours are Tuesday-Sunday 9-5, Friday 9-9. Admission: \$6 general, \$4 seniors and children, free with MIT ID. Telephone: 623-6664.

\*\*\* CRITICS' CHOICE \*\*\*  
**1990 SIGGRAPH Traveling Art Show**, computer art including 2- and 3-dimensional works, stereo art, and animation — continues through February 1 at the Computer Museum, Museum Wharf, 300 Congress Street, Boston. Museum hours are Tuesday-Sunday 10-5, Friday 9-9. Admission: \$6 general, \$5 seniors and students. Telephone: 423-6758.

**Connections: Louise Lawler** continues through March 3 in the Henry and Lois Foster Gallery, Museum of Fine Arts, 465 Huntington Avenue, Boston. Museum hours are Tuesday-Sunday 10-5 and Wednesday 10-10. Admission: \$6 general, \$5 seniors and students, free with MIT ID. Telephone: 267-9300.

**The Age of Sail: Ship Models and Marine Arts**, models representing American and European warships dating from the late 17th to early 19th centuries, and merchant vessels of the 19th century, continues through March 10 at the Museum of Fine Arts, 465 Huntington Avenue, Boston. Museum hours are Tuesday-Sunday 10-5 and Wednesday 10-10. Admission: \$6 general, \$5 seniors and students, free with MIT ID. Telephone: 267-9300.

## The Tech Performing Arts Series announces

## ANDREYEV BALALAIKA ORCHESTRA

A rare opportunity to hear authentic music for the balalaika, an ethnic Russian folk instrument, performed by a virtuoso ensemble on its first US tour since 1910. A Bank of Boston Celebrity Series event.

Symphony Hall, January 9 at 8 pm.

MIT price: \$6.

## PRO ARTE CHAMBER ORCHESTRA

A concert for the whole family! If you can't afford tickets to *Phantom of the Opera*, The Pro Arte Chamber Orchestra has the next best thing — the premiere performance of *Phantom of the Orchestra*, or "The Dark Side of the Symphony." Music by Mozart, Beethoven, et. al.; script by Justin Locke.

Sanders Theatre, January 12 at 2 pm.

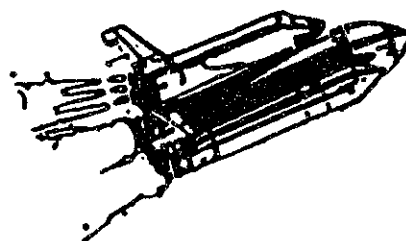
MIT price: \$6.

Tickets are on sale at the Technology Community Association, W20-450 in the Student Center. Office hours posted on the door.



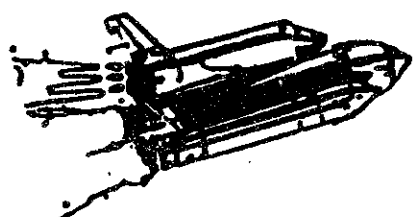
MIT  
Space  
Grant  
Program

U R O P



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DEADLINE: DECEMBER 21, 1990



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The Pokrovsky Ensemble & The Christmas Revels perform at Sanders Theater, Dec. 14-30.



## Tuesday, Dec. 11

### FILM & VIDEO

\*\*\* CRITICS' CHOICE \*\*\*  
The Regent Theater presents a David Lynch double feature, with *Blue Velvet* (1986) at 4:50 & 8:15 and *Wild at Heart* (1990) at 7:00, at 7 Modford Street, Arlington Center, Arlington, on the #77 bus line from the Harvard T-stop. Also presented December 12 and 13. Tickets: \$4.50 general, \$2.50 seniors and children (good for the double feature). Telephone: 643-1198.

The Harvard Film Archive continues its Tuesday series *Women Filmmakers* with *Rosa Luxemburg* (1988, Margareth von Trotta, W. Germany) at 5:30 & 8:00 at the Carpenter Center for the Visual Arts, Harvard University, 24 Quincy Street, Cambridge. Tickets: \$4 general, \$3 seniors and children. Telephone: 495-4700.

*Blue Planet*, a panoramic view of Earth from a vantage point of 203 miles up, and *To the Limit*, traveling inside the body to experience what happens when we push the limit of physical endurance, continue indefinitely at the Mugar Omni Theater, Museum of Science, Science Park, Boston, near the Science Park T-stop on the green line. Tickets: \$6 general, \$4 seniors and children. Telephone: 523-6664.

The Coolidge Corner Theatre presents *Fantasia* (1940, Walt Disney) at 5:00, 7:30, & 9:55, *Interrogation* (1990, Poland) at 7:15, and *The Body* (1990, Nikita Khubov) at 5:15 & 9:45 at 290 Harvard Street, Brookline, at the Coolidge Corner T-stop on the "C" green line. Films continue indefinitely. Telephone: 734-2500.

\*\*\* CRITICS' CHOICE \*\*\*  
The Somerville Theatre presents *The Festival of Animation* at 7:00 & 9:30 at 55 Davis Square, Somerville, just by the Davis Square T-stop on the red line. Also presented December 12 and 13. Telephone: 625-5700.

### EXHIBITS

The Museum School 10th Annual Exhibition and Sale, works by faculty, students, and alumni, opens today in the Grossman Gallery, School of the Museum of Fine Arts, 230 The Fenway, Boston. Continues through December 11 with gallery hours weekdays 11-8 and weekends 12-5. Telephone: 267-6100, ext. 718.

### JAZZ MUSIC

The John Turner Quartet performs at the Willow Jazz Club, 699 Broadway, Ball Square, Somerville. Telephone: 623-9874.

Rami Bar-David Quartet performs at the Western Front, 343 Western Avenue, Cambridge. Telephone: 492-7772.

### CLASSICAL MUSIC

\*\*\* CRITICS' CHOICE \*\*\*  
The Boston Symphony Orchestra, Seiji Ozawa conducting, and American Boychoir, James Linton, director, perform Tchaikovsky's *The Nutcracker* at 8 pm in Symphony Hall, corner of Huntington and Massachusetts Avenues, Boston. Also presented December 14 and 15. Tickets: \$18, to \$47.50. Telephone: 266-1492.

Singing History/Heritage Sampler, Anglo-American songs from the 17th and 18th centuries, is presented at the Lyric Stage Theater, 54 Charles Street, Boston. Tickets: \$9 general, \$7 seniors and students. Telephone: 244-6964.

## Wednesday, Dec. 12

### CONTEMPORARY MUSIC

Hot Tuna and Foussette Dart Band perform at 9 pm at the Channel, 25 Necco Street, near South Station in downtown Boston. Tickets: \$12.50 advance/\$13.50 day of show. Telephone: 451-1903.

Don Doken and Esther perform in a 19+ ages show at Axis, 131 Mount Street, Boston, near Kenmore. Telephone: 267-2437.

Bobby King and Terry perform at 8 pm at the Channel, 25 Necco Street, near South Station in downtown Boston. Tickets: \$12.50 advance/\$13.50 day of show. Telephone: 776-9667.

Judge Girls at the Orpheum Theatre. See December 11 listing.

### JAZZ MUSIC

George Lewis Group performs at the Western Front, 343 Western Avenue, Cambridge. Telephone: 492-7772.

### CLASSICAL MUSIC

\*\*\* CRITICS' CHOICE \*\*\*  
Pianist Vladimir Ashkenazy performs works by Beethoven and Brahms at 8 pm in Symphony Hall, corner of Huntington and Massachusetts Avenues, Boston. Tickets: \$23 and \$23.50. Telephone: 266-1492.

Benjamin Zander's *Conducting Without a Baton* at 8 pm in the TBA. Performers: Ben Zander, Leonard Bernstein, and others. No admission charge. Telephone: 552-1145.

The Boston Conservatory Festival Chorus and Orchestra performs *Berlin: Voices of Christ* at 8 pm in St. Cecilia Church, corner of St. Cecilia and Beth Gore Streets, Boston. No admission charge. Telephone: 536-6140.

### DANCE

The Boston Lyrical Dance Ensemble performs at 8 pm in the Robbhan Theatre Arts Center, Boston College, 200 West Hill, near the Boston College T-stop on the 'B' green line. Also presented December 14 & 15 at 8 pm, and December 16 at 7 pm. Tickets: \$8 general, \$5 seniors and students. Tel: 266-5152.



John Williams conducts the Boston Pops on Dec. 20-23 in Symphony Hall.

### CONTEMPORARY MUSIC

\*\*\* CRITICS' CHOICE \*\*\*  
Indigo Girls perform at 7:30 at the Orpheum Theatre, Hamilton Place, Boston. Also presented December 12. Tickets: \$20.50. Telephone: 931-2000.

Tin Pan Alley, Autumn Lake, Kid Logic, Wild Side, Dirty Trixx perform in an 18+ ages show at 9 pm at the Channel, 25 Necco Street, near South Station in downtown Boston. Tickets: \$5. Telephone: 451-1903.

M'Lisa performs at 8 pm at Nightstage, 823 Main Street, Cambridge, just north of MIT. Tickets: \$8.50. Tel: 497-5200.

Laurie Goldsmith and Eric Kilburn perform at Johnny D's, 17 Holland Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Telephone: 776-9667.

Hot Box, Heavy Head, and Carnal Carnival perform at 9 pm at Necco Place, One Necco Place, near South Station in downtown Boston. Tickets: \$4.50. Telephone: 426-7744.

### FILM & VIDEO

The Harvard Film Archive continues its Wednesday series *Evolution of Silent Cinema* with *The Jazz Singer* (1927, Alan Crosland) at 5:30 and *Applause* (1929, Rouben Mamoulian) at 8:00 at the Carpenter Center for the Visual Arts, Harvard University, 24 Quincy Street, Cambridge. Tickets: \$4 general, \$3 seniors and children, \$6.25 for the double feature. Telephone: 495-4700.

Blue Velvet (1986, David Lynch) and Wild at Heart (1990, David Lynch) at The Regent Theater. See December 11 listing.

The Festival of Animation at the Somerville Theatre. See December 11 listing.

### FILM & VIDEO

The MIT Lecture Series Continues presents *Plak Floyd: The War* at 7 pm & 10 pm in 26-100. Admission: \$1.50. Telephone: 258-8881.

\*\*\* CRITICS' CHOICE \*\*\*  
Words of the Day, a documentary on the production of John Cale's *The Folkland Suite*, is presented at 7 pm at the Institute of Contemporary Art Theater, 955 Boylston Street, Boston. Also presented December 14 at 7 pm and December 15 at 5 pm & 7 pm. Tickets: \$5 general, \$4 ICA members, seniors, and students. Tel: 266-5152.

### THEATER

Noises Off, by Jacques Cauter, is presented at 8 pm in the Boston University Theatre, 264 Huntington Avenue, Boston. Also presented December 13-15 at 8 pm with matinee December 15 and 16 at 2 pm. Tickets: \$8 and \$12 general, \$4 and \$6 seniors. Telephone: 266-0800.

### DANCE

\*\*\* CRITICS' CHOICE \*\*\*  
The Nutcracker continues through December 30 as a presentation of Boston Ballet at the Wang Center, 270 Tremont Street, Boston. Performances are: Wednesday-Saturday at 7:30, Sunday at 4:30, with weekend matinees at 2:00. Tickets: \$16 to \$49. Telephone: 931-2000.

### CLASSICAL MUSIC

The MIT Brass Ensemble performs at 6:30 in Lobby 7. No admission charge. Telephone: 255-2904.

Ensemble Projeat Arts Novae presents a concert of Christmas and early music from medieval Cyprus at 8 pm in the Auditorium, Museum of Fine Arts, Huntington Avenue, Boston. Tickets: \$15 general, \$12 MFA members, seniors, and students. Telephone: 267-9300, ext. 306.

The New England Conservatory Honors Brass Ensemble performs holiday music by Bach, Gabrieli, Byrd, and others at 12:30 in the Federal Reserve Bank of Boston's auditorium, 600 Atlantic Avenue, across from South Station in downtown Boston. Tickets: \$10 general, \$8 seniors and students. Tel: 451-1903.

### THEATER

The Gift, the heartwarming story of a would-be writer in an abusive relationship who finds reconciliation through writing an autobiographical story, opens today at the Back Alley Theater, 1233 Cambridge Street, Inman Square, Cambridge. Continues through January 2 with performances Thursday-Sunday at 8 pm. Tickets: \$12. Telephone: 491-6166.

\*\*\* CRITICS' CHOICE \*\*\*  
A Matt and Steve Weiner production, *The Christmas Carol*, is presented at the New Repertory Theatre, 24 Mount Street, Newton Highlands, near the Green Line. Also presented December 14-15 at 8 pm. Tickets: \$10 and \$12. Telephone: 457-0657.

Living On, a staged reading of Louis L'Amour's play about AIDS, is presented at 8 pm at the New Repertory Theatre, 24 Mount Street, Newton Highlands, near the Green Line. Also presented December 14-15 at 8 pm. Tickets: \$10 and \$12. Telephone: 457-0657.

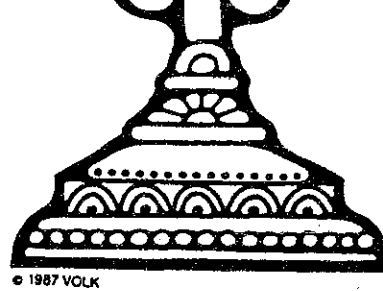
Gilman's *Christmas* art piece by Deborah M. Gilman is presented at 8 pm at the New Repertory Theatre, 24 Mount Street, Newton Highlands, near the Green Line. Also presented December 14-15 at 8 pm. Tickets: \$10 and \$12. Telephone: 457-0657.



Boston Ballet's Nutcracker continues through Dec. 30 at the Wang Center.



IMAGO Meret Oppenheim opens at the Coolidge Corner Theatre on Dec. 14.



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## Saturday, Dec. 15

### CONTEMPORARY MUSIC

John Hall and Tress Her Right perform at 7:30 at the Berklee Performance Center, 136 Massachusetts Avenue at Boylston Street, Boston. Tickets: \$18.50. Telephone: 266-7455.

Bop (Harvey), Unity 2, Shakers, Clockwork, and 7 League Boots perform at 9 pm at the Channel, 25 Necco Street, near South Station in downtown Boston. Tickets: \$5.50. Telephone: 451-1905.

Blood Oranges, Cocking Crows, and The Collectors perform in an 18+ ages show at T.T. the Bears, 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

The Immortals and Whoville perform at the Rat, 328 Commonwealth Avenue, Kenmore Square, Boston. Telephone: 536-2750.

Joanna Connor and Paul Ribick perform at Johnny D's, 17 Holland Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Telephone: 776-9667.

Charlie Farren & Friends, Napal, and The Magnificent Seven perform at 9 pm at Necco Place, One Necco Place, near South Station in downtown Boston. Tickets: \$5. Telephone: 426-7744.

Luther "Guitar Jr." Johnson performs at Ed Burke's, 808 Huntington Avenue, Boston, on the 'E' green line. Telephone: 232-2191.

## Friday, Dec. 14

### CONTEMPORARY MUSIC

Warren Zevon and Don Healy perform at 7:30 at the Orpheum Theatre, Hamilton Place, Boston. Tickets: \$29.50 and \$31. Tel: 931-2000.

Danny Joe Brown & Bobby Ingram (of Molly Hatchers), Southbound, Debbie Watson, and Sensation Jones perform at 9 pm at the Channel, 25 Necco Street, near South Station in downtown Boston. Tickets: \$6.50 advance/\$7.50 day of show. Telephone: 451-1905.

O'Positive and Deck O' Square perform at 7 pm (18+) and 10 pm (21+) at T.T. the Bears, 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

The Byrne Film and Laurie Sargent perform at 9 pm at Nightstage, 823 Main Street, Cambridge, just north of MIT. Telephone: 497-8200.

The E-Tones perform at the Western Front, 343 Western Avenue, Cambridge. Also presented December 15. Telephone: 492-7772.

The Tones perform at the Western Front, 343 Western Avenue, Cambridge. Also presented December 15. Telephone: 492-7772.

Jumpin' Blues Dance Party, featuring Roll With It, is presented at 8 pm at the Western Front, 343 Western Avenue, Cambridge. Admission: \$2 with MIT ID. Telephone: 492-7772.

The I-Tones at the Western Front. See December 14 listing.

The Christmas Revels and The Dmitri Pokrovsky Ensemble at Sanders Theatre. See December 14 listing.

The Tenth Annual Festival of Light and Song at Converse Hall. See December 14 listing.

The Ralph Lange Quartet at the Willow Jazz Club, 699 Broadway, Ball Square, Somerville. Telephone: 621-9474.

### DANCE

Courtney and Company Dance at The Performance Place. See December 14 listing.

The Boston Liturgical Dance Ensemble at Robbham Theatre Arts Center, Boston College. See December 13 listing.

Sexploitation, Fez Henry, What Next, and The Barnes perform in an 18+ ages show at the Rat, 328 Commonwealth Avenue, Kenmore Square, Boston. Telephone: 536-2750.

Song, with Anabel & Wild Rose, The Watersons, Kolesa, the Befana Players, and the Light and Shing Chorus, is presented at 8 pm in Converse Hall, 82 Tremont Street, Boston. Also presented December 14 at 8 pm and December 15 at 3 pm & 8 pm. Telephone: 851-0649.

Goas performs at the Willow Jazz Club, 699 Broadway, Ball Square, Somerville. Telephone: 621-9474.

Dezelle, R.U.S.T., Happy Camper, and Boston perform at the Rat, 328 Commonwealth Avenue, Kenmore Square, Boston. Telephone: 536-2750.

Taylor Made performs at Necco Place, One Necco Place, near South Station in downtown Boston. Tickets: \$6.50 advance/\$7.50 day of show. Telephone: 451-1905.

Zoe Young and Alex Posen perform at Ed Burke's, 808 Huntington Avenue, Boston, on the 'E' green line. Telephone: 232-2191.

The Christmas Revels and The Dmitri Pokrovsky Ensemble perform Russian and American Christmas Revels at 8 pm in Sanders Theatre, Harvard University, Quincy and Kirkland Streets, Cambridge. Also presented December 14-16, 20-21, & 27-28 with matinees on December 15-16, 22-23, & 29-30 at 3 pm. Tickets: \$10.50, \$15.50, and \$20 general, \$7.50, \$12.50, and \$15.50 for seniors and children. Telephone: 621-0505.

The Tenth Annual Festival of Light and Song at Converse Hall. See December 14 listing.

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## A few gems save Quintessential Holiday — Volume 7

THE QUINTESSENTIAL BILLIE HOLIDAY — VOL. 7 (1938-39)  
Columbia Records.

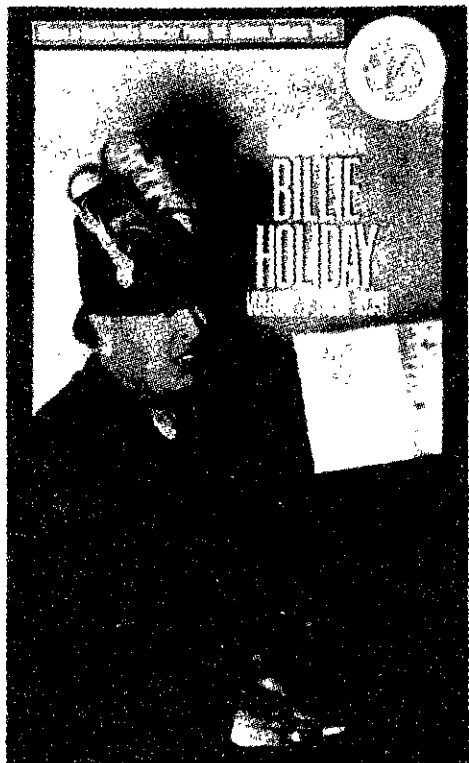
By CHRIS WANJEK

**I** DON'T THINK Columbia Records wanted to release *The Quintessential Billie Holiday — Volume 7*, which captures Holiday's career from 1938 to 1939. Columbia did its best to avoid this period, which was marred by Holiday's feud with producer John Hammond and her overall lack of interest in her own music. Columbia slowly stretched their first six volumes over the period from 1933 to 1937, hoping it would never reach *Volume 7*.

But Columbia didn't cower when it finally hit the 1938-39 roadblock, arguably Holiday's most disappointing years. *Volume 7* is a collection of Holiday's best sessions from the close of the 1930s.

Luckily, the album is saved by a few gems. Some truly boring songs, however, do clutter the collection. And the musicians, sensing this boredom, fall asleep unchallenged by the middle of many songs.

But the album's high points really do save this collection. "Dream of Life" is



one of those brooding, sentimental songs that Holiday performs so well. "That's All

I Ask of You" and "What Shall I Say" are like many of the songs from Holiday's early career — simple, yet somehow meaningful when she sings them.

"Long Gone Blues," co-written by Holiday, is terribly blue — a true masterpiece and the highlight of the album. And "Some Other Spring," her favorite song, brings the second side to a promising close.

"Sugar (That Sugar Baby O' Mine)" really swings with help from Benny Carter's alto sax. But "Hello, My Darling" just gets by, saved at the last minute by Teddy Wilson's piano solo.

The other songs on the album are all seriously flawed. "Under a Blue Jungle Moon" tries to ride on the popularity of those South Sea Island movies from the late 1930s. Nothing could be further from Holiday's style — or even her existence.

"Let's Dream in the Moonlight" has absolutely no feeling, and the musicians are to blame for this.

Although Billie Holiday was making wonderful music throughout the 1930s, it wasn't until this low period that she ironi-

cally gained popularity. John Hammond had something to do with this. Around this time, he and Barney Josephson opened the legendary Cafe Society, a totally desegregated club in New York City which helped break both the color barrier and the Establishment.

Hammond hired Holiday as the nightclub's headliner and also produced many of her recording sessions. This went well until Hammond and Holiday developed conflicting interests. Holiday left Hammond and joined the folks at Commodore by 1940. Surely this is where Columbia's *Quintessential Volume 8* will pick up.

*Volume 8* will probably be much better. And volumes one through six, for the most part, are better than *Volume 7*. But don't discard this period of Holiday's career; some of these songs are too wonderful to ignore.

If you are a new Billie Holiday fan, get volumes one or two, or even wait for the release of *Volume 8*; it will be worth it. If you're already a fan, I don't think you would want to miss "Dream of Life" or especially "Long Gone Blues."

## The Chairman of the Board hits another quarter century mark

By JOHN WARD

**"F**RANK SINATRA," Stephen Holden of *The New York Times* once wrote, "virtually invented modern pop song phrasing." His voice, creamy smooth yet packing the punch of a kung fu master, is the standard by which all white American male singers, from Presley to Cylan to Roy Acuff to Axl Rose, have been measured. And so it is altogether fitting that we take an all too celebratory look at the life of this extraordinary man, one day shy of his 75th birthday.

Francis Albert Sinatra was born Dec. 12, 1915 in Hoboken, NJ. He began his singing career in the glee club at Damarest High School, but ended up dropping out to become a professional. At his mother's insistence, he gained employment as a copy boy at the *Jersey Journal*, later working his way up to sports writer. "He continued to sing in local clubs," relates Fred Bronson, "and with some friends formed a group, the Hoboken Four," which later won first prize on a local radio show.

Sinatra's big break came in June 1939, when bandleader Harry James discovered the young singer and offered him a job as vocalist with his band for a weekly salary of \$100. He finally established himself two years later with Benny Goodman, after a highly successful engagement at New York's Paramount Theater.

By now, Sinatra had reached the pantheon of teen idols (remember, this was some 45 years before Rick Astley). The "bobby-soxers" you may have heard your grandmother mention were actually an incarnation of the Frank Sinatra Fan Club. Upon signing with Columbia Records, Sinatra began stamping his name on music history with such gems as "Laura," "I'm Glad There Is You," and "I Concentrate on You." Still, nobody yet knew or understood the effect this skinny blue-eyed kid would have on the entire entertainment industry.

All this may have been too much for a 28-year-old — the fame was undoubtedly something with which he was unprepared to cope. He left the mother of his three children (Nancy, Frank Jr. and Tina) and began an affair with glamorous actress Ava Gardner, whom he eventually married. After that union fizzled, he took up with the equally glamorous Lauren Bacall. For all this scandal, Frank was dropped from Columbia's roster, and blacklisted throughout the entertainment industry.

Sinatra was just too powerful to be kept down, though. He landed a role in the screen version of *From Here to Eternity*, for which he was awarded the Academy Award for Best Supporting Actor in 1954. Oscar in hand, he was welcomed back into the business and quickly signed with Capitol Records.

At Capitol he recorded some of his best

songs, including such classics as "I Get a Kick Out of You," "Witchcraft," "Come Fly with Me," and "Here's That Rainy Day." He also formed life-long friendships with Joey Bishop, Peter Lawford, and, most importantly, Dean Martin and Sammy Davis Jr. The group was dubbed the "Rat Pack," on account of their boozin' and cruisin'. It was partly due to his friendship with Frank that Sammy was able to gain acceptance from a white audience.

By the onset of the 1960s, Frank had become the dominant force in American entertainment, bigger than Elvis, bigger than Brando, bigger even than Connie Francis. He had become a cultural icon.

Naturally, he made many powerful friends. Everyone knows that Sinatra personally won the 1960 election for John F. Kennedy, who ended up betraying him by sacking brother Bobby on Sam Giancana and Johnny Roselli, but that's a Kennedy for you. Even though Old Blue Eyes set him up with a classy broad like Judith Exner, he still gets stabbed in the back by those who don't appreciate his benevolent nature.

Of course, Frank had no choice but to defect to the Nixon camp in 1968, although we all remember how bitterly he wept when Bobby was assassinated. His newfound Republicanism allied him with Ronald Reagan, and in fact many of us believe that it was Frank Sinatra who ordered the invasion of Grenada, but we'll

probably never know.

In 1961, Frank Sinatra started Reprise Records. The label eventually recorded such artists as Jimi Hendrix, the Kinks, and Neil Young. It was as the head of Reprise that Sinatra earned his coolest nickname, "the Chairman of the Board."

During the '60s he made some of his most commercially successful records, including such masterpieces as "That's Life," "My Way," and "Cycles." On July 2, 1966 "Strangers in the Night" nudged "Paperback Writer" by the Beatles out of the top spot on the *Billboard* pop chart, a position later matched by "Somethin' Stupid" (which displaced the Turtles' "Happy Together"). After a brief retirement in the early 1970s, Sinatra came back in full force and closed the decade with the "Theme from *New York, New York*," which continues to be a show stopper at his concerts.

So, as we reflect upon Francis Albert Sinatra's first three-quarters of a century, we find ourselves in awe at the figure he represents. His giving nature, whether it be in concert or in public, allows us to overlook the fact that he hated Elvis and thinks Sinéad O'Connor should be "kicked in the ass." But all of that is irrelevant. Through it all, he's stood tall. As Dean Martin is fond of saying, "It's Frank's world; we're just lucky to be living in it." The record shows he took the blows and did it his way. Happy birthday, Frank.

## During IAP, you can. . .

- Hit the campaign trail as a political reporter.
- Play with border tape and design the front page of a newspaper.
- Review mainstream pop and cutting edge music on vinyl, in small smoke-filled clubs and at deafening live concerts.
- Photograph bone-crunching body-checks at hockey games and political protests.
- Manage a business and learn about advertising.
- Blast a few holes in a few sacred cows by writing for our opinion pages.

*If you have some free time this IAP, try working with us at The Tech. No experience is required or expected, and the time commitment is very flexible. We'll be in our offices on the fourth floor of the Student Center:*

Monday and Tuesday, Jan. 7 and 8.  
Monday and Tuesday, Jan. 14 and 15.  
Monday and Tuesday, Jan. 21 and 22.



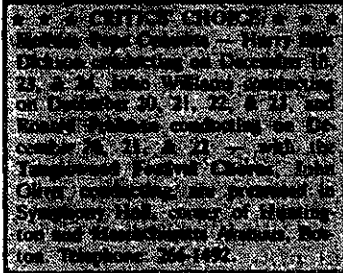
Call Debby at 253-1541 for more info.



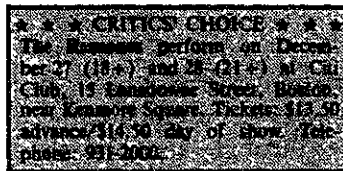
## ARTS

Dec. 17 to Jan. 9

## CONTEMPORARY MUSIC



Every Mothers Nightmare, Trouble Tribe, and Big Circus perform on December 19 in a 19+ ages show at Axis, 13 Lansdowne Street, Boston, near Kenmore Square. Telephone: 262-2437.



A Flock of Seagulls and Life in Between perform on December 28 at Axis, 13 Lansdowne Street, Boston, near Kenmore Square. Telephone: 262-2437.

Tom Rush performs on December 29 in Symphony Hall, corner of Huntington and Massachusetts Avenues, Boston. Tickets: \$19.50, \$22.50, and \$23.50. Telephone: 641-1010.

Sleep Chamber performs in an 18+ ages show on December 31 at Man Ray, 21 Brookline Street, Cambridge. Telephone: 864-0406.

At the Paradise: Scream Her, Blue Tiger, and Tuff Luck on December 19 (18+); The Raindogs and The Baldinos on December 20; Zug Zug and Ant Farm on December 21 (18+); Sin-A-Men Gypsy, J.T., and The Screams on December 22 (18+); Tuff Tuesday on December 23 (18+); Urban Blast on December 31. Located at 967 Commonwealth Avenue, Boston. Tel: 254-2052.

At the Channel: Mellah Rage on December 17; Max Creek on December 21; Barrence Whitfield and The Savages on December 22; Leeway on December 23; The Walters on December 26; Heretix on December 28; Buddy Guy on December 29; Gwar on December 30; The Neighborhoods, The Titans, and The Bristol on December 31. Located at 25 Necco Street, near South Station in downtown Boston. Telephone: 451-1905.

At T.T. the Bears: Winter Hours on December 28; Zulu on December 29; The Lyres and Voodoo Dolls on December 31. Located at 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

At Nightstage: Syd Straw/Marc Ribot and Juliana Hatfield on December 20; Absolute, The Response, Sweet P., and The Prophets on December 21 (18+); Desert Hearts on December 27. Located at 823 Main Street, Cambridge, just north of MIT. Telephone: 497-8200.

At Johnny D's: Rod MacDonald on December 18; Bhundu Boys on December 19; Acoustic Junction on December 20; Boogaloo Swamis on December 21; Mozamba on December 22; Ronnie Earl and Sugar Ray & The Broadcasters on December 28; Sleepy La Beef on December 29; Barrence Whitfield on December 31; Lazy Lester on January 5; Either/Orchestra on January 9. Located at 17 Holland Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Telephone: 776-9667.

At Necco Place: Miles Dethmuffin on December 18; Stone Soup on December 19; King V on December 20; Safety in Numbers on December 21; Dignity Figure on December 22; Fridays Child on December 27; Laurie Sargent on December 29. Located at One Necco Place, near South Station in downtown Boston. Telephone: 426-7744.

At Ed Burke's: Motor City Rhythm Kings on December 20; Band That Time Forgot on December 21; C-Jammers on December 22; Bruce Marshall Group on December 23. Located at 808 Huntington Avenue, Boston, on the 'E' green line. Telephone: 232-2191.

The Christmas Revels and The Dmitri Pokrovsky Ensemble at Sanders Theatre on December 20-23 and 27-30. See December 14 listing.

## JAZZ MUSIC

At the Regattabar: Rebecca Parris on December 20 (with Herb Pomeroy & Mike Monaghan), 21 (with Paul Broadnax & Fred Haas), and 22 (with Dick Johnson & Kenny Wenzel); The Cabaret Rose with Alfonso Villalonga on December 28 and 29; Ruth Brown and Friends on January 2-6; The Cercle Miller Quartet on January 8; The George Coleman Quartet on January 9-12. Located at the Charles Hotel, Harvard Square, One Bennett Street, Cambridge. Telephone: 661-5000.

## CLASSICAL MUSIC

The Boston Gay Men's Chorus at Jordan Hall on December 18. See December 16 listing.

The Boston Camerata presents *A Baroque Christmas*, works by Buxtehude, Monteverdi, and Charpentier, on December 19 in Sanders Theatre, Harvard University, Quincy and Kirkland Streets, Boston. Tickets: \$8, \$11, \$17, and \$21. Telephone: 262-2092.

The Longy Opera Workshop Performance presents Menotti's *Amahl and the Night Visitors* on December 20-23 in the Edward Pickman Concert Hall, Longy School of Music, 27 Garden Street,

Cambridge. Tickets: \$10 general, \$5 seniors and students. Telephone: 876-0956.

The John Oliver Chorus performs Mozart's *Requiem* on December 31 in Trinity Church, Copley Square, Boston. Tickets: \$10. Telephone: 325-0886.

Banchetto Musicale performs in a *New Year's Day Gala* with Mozart opera excerpts on January 1 in Sanders Theatre, Harvard University, Quincy and Kirkland Streets, Cambridge. Tickets: \$13, \$19, and \$24. Telephone: 864-5988.

Emmanuel Music continues its *Debussy & His Circle* recital series with works by Debussy, Bartok, and Mussorgsky on January 6 in Emmanuel Church Library, 15 Newbury Street, Boston. Tickets: \$15 general, \$10 seniors and students. Telephone: 536-3356.

The Chillingirian String Quartet performs works by Mozart, Bartok, Schubert, and Beethoven on January 7 in Houghton Library, Harvard University, Cambridge. Tickets: \$12 general, \$6 students. Telephone: 495-2449.

Boston Classical Orchestra, with Charles Kavalevski, French horn, performs works by Bach, Corelli, Telemann, Mozart, and Bartok on January 9 and 11 in Old South Meeting House, 310 Washington Street at Milk Street, Downtown Crossing, Boston. Tickets: \$12 and \$18 general, \$8 seniors and students. Telephone: 426-2387.

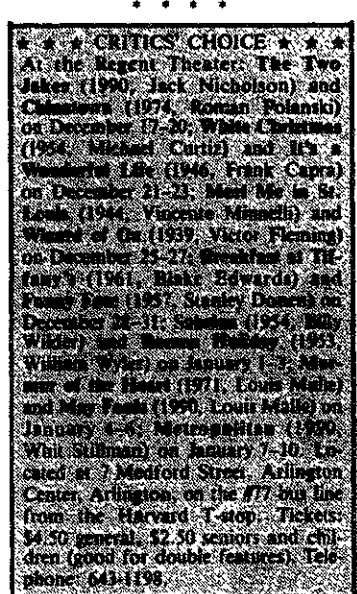
Andreyev Balalaika Orchestra performs on January 9 in Symphony Hall, corner of Huntington and Massachusetts Avenues, Boston. Tickets: \$20, \$23, and \$25 (see also reduced-price tickets offered through the Tech Performing Arts Series). Telephone: 266-1492.

## FILM &amp; VIDEO

At the Harvard Film Archive: *Vagabond* (1985, Agnes Varda, France) on December 17; *Seven Women Seven Sins* (1987, Helke Sander, Bette Gordon, Maxi Cohen, Chantal Akerman, Valie Export, Laurence Gavron, & Ulrike Ottinger) on December 18. Located at the Carpenter Center for the Visual Arts, Harvard University, 24 Quincy Street, Cambridge. Tickets: \$4 general, \$3 seniors and children, \$6/\$5 for double features. Telephone: 495-4700.

At the Museum of Fine Arts: *Knowing Her Place* (1990, Indu Krishan), *Slippage* (1990, Patti Bruck), *Memories from the Department of Amnesia* (1990, Janice Tanaka), *Sink or Swim* (1990, Su Friedrich), *A Spy in the House that Ruth Built* (1989, Vanalyne Green), and *Two Lies* (1989, Pamela Tom) on December 19; *Winter Ade* (1988, Helke Misselwitz, GDR) and *Through the Wire* (1989, Nina Rosenbaum) on December 20; *Electronic Diary* (1985-90, Lynn Herschman) and *My Momma Done Told Me* (1987, Elizabeth Taylor-Mead) on December 21. Screenings in Remis Auditorium, 465 Huntington Avenue, Boston. Tickets: \$5 general, \$4.50 MFA members, seniors,

and students. Telephone: 267-9300 ext. 306.



## THEATER

Fly South, a one-act work-in-progress featuring poetic monologues set to percussive jazz score, is presented December 17 to 19 at The Performance Place, 277 Broadway, Somerville. Tickets: \$4. Telephone: 625-1300.

Lend Me a Tenor, the Broadway comedy starring Ron Holgate and Barry Nelson, is presented December 18 to 31 at the Colonial Theatre, 106 Boylston Street, Boston. Performances are Tuesday-Saturday at 8 pm, with matinees Thursday & Saturday at 2 pm and Sunday at 3 pm. Tickets: \$16 to \$38.50. Tel: 426-9366.

La Bête, a comedy starring Ron Silver, is presented December 20 to January 20 at the Wilbur Theatre, 246 Tremont Street, Boston. Telephone: 423-4008.

A Mall and Some Visitors presented by Beau Jest Moving Theater and Alfonso Villalonga & Cabaret Rose at C. Walsh Theater, Suffolk University, December 20-22. See December 13 listing.

Black Nativity presented by the National Center of Afro-American Artists at the Opera House, December 21-23. See December 14 listing.

A Christmas Carol presented by Genesis Arts Project at St. Cecilia's Church on December 21 and 22. See December 14 listing.

Front Row Ctr at the Theatre Lobby Cabaret on December 21. See December 14 listing.

The Island of Anyplace, Charles Marz' theatrical parallel to Britten's *The Young Person's Guide to the Orchestra*, illustrating the various elements of theater, is presented December 22, 26, 27, 28, 29, 31, and January 31 by the American

Repertory Theatre at the Loeb Drama Center, 64 Brattle Street, Cambridge. Tickets: \$16 general, \$8 children under 15. Telephone: 547-8300.

Aristocrats, Brian Friel's comic portrayal of an Irish family in transition as they gather together on the eve of their youngest daughter's wedding, is presented December 28 to January 27 at the Huntington Theatre Company, 264 Huntington Avenue, Boston. Performances are Tuesday-Saturday at 8 pm, Sunday at 7 pm, with matinees Wednesday, Saturday, & Sunday at 2 pm. Tickets: \$16 to \$32 general, \$7.50 student rush. Tel: 266-0800.

Otherwise Engaged, Simon Gray's wise and caustic look at the first yuppies, is presented January 3 to February 4 at the Lyric Stage Theatre, 54 Charles Street, Boston. Telephone: 742-8703.

The Grace of Mary Traverse, Timberlake Wertenbaker's story of a sheltered woman's surrealistic journey into the political and social turmoil of 18th century London, is presented January 3 to 13 at The Performance Place, 277 Broadway, Somerville, near the Sullivan T-stop on the orange line. Performances are Thursday-

Saturday at 8 pm and Sunday at 2 pm. Tickets: \$12. Telephone: 625-1300.

Fences, the Boston premiere of August Wilson's explosive drama of black family life in urban America, is presented January 3 to February 3 at the New Repertory Theatre, 54 Lincoln Street, Newton Highlands, near the Newton Highlands T-stop on the Riverside 'D' green line. Performances are Wednesday at 2:00, Thursday & Friday at 8:00, Saturday at 5:00 & 8:30, and Sunday at 3:00 & 7:30. Telephone: 332-1646.

Starlight Express, based on the London and Broadway productions with music by Andrew Lloyd Webber, is presented January 8 to 13 at the Wang Center, 270 Tremont Street, Boston. Performances are Tuesday & Thursday-Saturday at 8:00, Wednesday at 7:30, Sunday at 7:00, with matinees Saturday & Sunday at 2:00. Tickets: \$25.75 to \$45. Telephone:

## LITERATURE

Liza Roman reads from Dylan Thomas' *A Child's Christmas in Wales* on December 22 at the Boston Visual Artists Union, 33 Harrison Avenue, Boston. No admission charge. Telephone: 695-1266.



Flutist Jean-Pierre Rampal performs at Symphony Hall on Jan. 13.

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## Jim's Journal

by Jim



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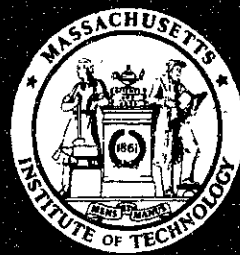
Corner of Mass. Ave and Vassar in the Metropolitan Storage Warehouse.

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We are looking for MIT students to telephone non-donor alumni/ae for contributions to the MIT Alumni/ae Fund.  
\$7/hour  
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OF HEALTH SCIENCES  
AND TECHNOLOGY



DIVISION  
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TOX 104J  
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RESTRICTED ELECTIVE  
ENVIRONMENTAL SCIENCE  
AND ENGINEERING

TUESDAY / THURSDAY 3:00 - 4:30  
BLDG.-48-308

This course aims at providing the biochemistry and genetics necessary for analyzing chemical - biological interactions resulting in human disease. Emphasis is placed on chemical and radiation induction of genetic changes resulting in cancer and hereditary syndromes.

The class analyzes present and proposed approaches to discovering the cause of genetic change leading to cancer and considers research and policy changes to bring new technology and knowledge to bear on public health practice.

Intended both for engineering majors seeking to understand the toxicology underlying regulatory policy and as a challenge to science majors interested in exploring an area of public health application.

One term paper suitable for fulfilling Institute writing requirements is required as are preclass readings to participate in group discussion. The course is taught at levels suitable to each student's background, i.e. sophomores are expected to master basic concepts, graduate students to show integrated and original analyses.

Professor William G. Thilly  
Professor of Applied Biology and Civil Engineering

Director, MIT Center for Environmental Health Science  
Division of Toxicology,  
Whitaker College of Health Sciences and Technology  
(See also 11.363J Policy and Management)



William Chu/The Tech

Michael D. Lake '91 tries to seduce a woman in the audience with his singing and playful caress during the 'Logarhythms', 'Chorallaries' and Harvard Callbacks' Christmas Concert Saturday night.

## No MIT reservists deployed to the Gulf

(Continued from page 1)

minimum of training before being placed overseas, according to Lt. Col. Gerald T. Wellman of Army ROTC. "[The] chances of [recent graduates] ever seeing combat are very small," he said.

Training varies from branch to branch. The training periods range from six to 12 weeks in the Army, and from three months to one and a half years in the Navy

and the Air Force. Neither Army nor Navy ROTC has any plans to alter its training program, Wellman said.

In fact, the only noticeable impact of the crisis has been a substantial funding shift from ROTC to regular military units. "Early in the scholastic year a lot of funding was diverted to support desert field training," Wellman said.



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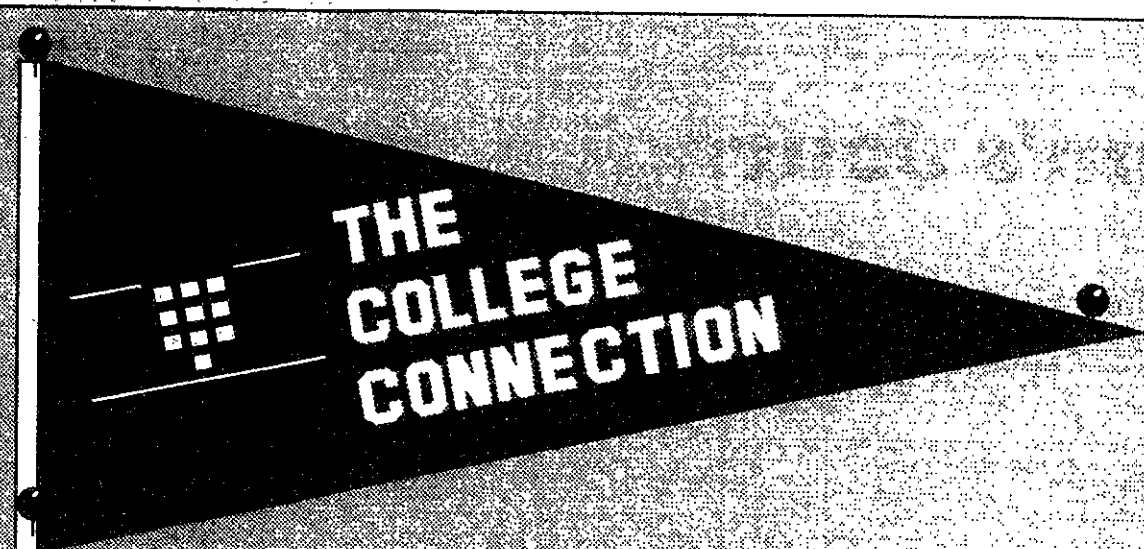
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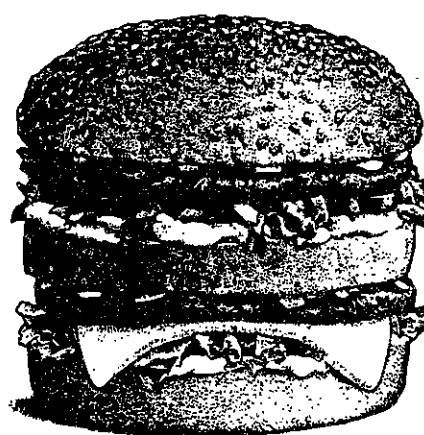
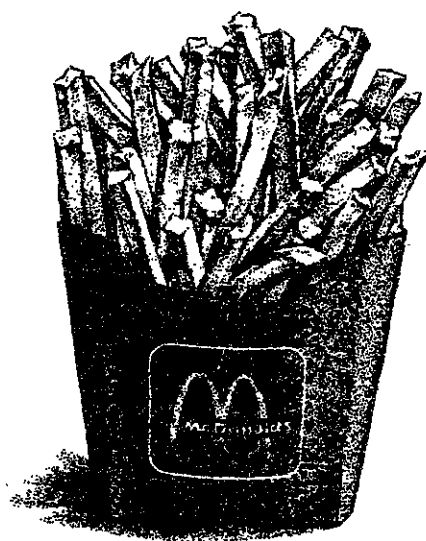
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# notices

## Announcements

Feet of Clay is holding its annual holiday sale at their new location at the rear of 1168 Commonwealth Avenue near the intersection of Harvard Street and Commonwealth Avenue in Boston. Shoppers can select gifts from the sophisticated to the truly whimsical. The opening party is Thursday, Dec. 13 from 7 to 10 pm and sale hours are Friday, Dec. 14 through Sunday, Dec. 16, from noon to 6 pm. Info: (617) 731-3262.

Donald Asher of Asher Associates is looking for a copy of your best letter of recommendation and top graduate essays written for law school, medical school, graduate business programs, and doctoral, postdoctoral and fellowships programs for possible publication in their forthcoming book, *Graduate Essays: What Works, What Doesn't, and Why*. Examples of creative essays, and essays from unusual or borderline candidates welcome, too. Info: Patty O'Keefe or Donald Asher at (415) 543-2020 or (415) 543-7130.

Booksales: The MIT Libraries will be sponsoring a series of small booksales in the basement of the Hayden Library, outside the library storage facility in building 14S. Sales will be held every other Friday from 11:30 to 2 pm. on Dec. 14. Books from a variety of subject areas will be included. Open to the MIT community only.

Employment is available for an undergraduate student interested in statistical analysis. We wish to examine statistical trends in our graduate admissions data and to test for possible correlations among various admissions criteria and subsequent student performance. Should have a background in statistics and be very comfortable with computer programming. Familiarity with our database software (R:BASE; DOS) is helpful, but not essential. Hourly wage \$6.25/hr. Contact Professor Lienhard in Room 3-164. Please submit your vita.

**Project Contact:** Undergraduates who are interested in communicating with high school students (and guidance counselors) about what it is like to be an MIT student are encouraged to join Project Contact. For more information please contact the Educational Council Office, Room 4-240; 253-3354.

The **Japanese Lunch Table** will be held every Tuesday in Walker, Room 220 at 1 pm.

The sports medicine division of the MIT Athletic Department sponsors a **fitness training program** for all interested students and employees of the Institute who hold valid athletic cards. Individuals over the age of 35 must obtain medical clearance from a personal physician before being allowed to participate in the program. The tests consist of a submaximal aerobic ergometer test, flexibility exercises, body fat percentage, and muscular strength and endurance measurements, and takes about 40 minutes to complete. For further information call x3-4908, 2:30-6:00 pm, Monday-Thursday. The tests are free of charge.

The Boston University Astronomy Department sponsors **Open Observatory Night** every Wednesday from 8:30-9:30 pm. For more information call 353-2360.

**Harvard University Graduate School of Design** is sponsoring lectures. For more information call 495-9340.

All first-time student loan borrowers (Perkins, Technology, or Stafford Student Loans) are required to attend a loan counseling session. Please contact the Bursar's Office for a schedule of the sessions.

Surplus equipment is available for departments and members of the MIT community in the **Equipment Exchange**, building NW30, every Tuesday and Thursday from 11-3 pm. Thirty days after being advertised in *Tech Talk* the equipment is sold.

The **Science and Humanities Libraries** (Hayden Building Libraries) are now open from noon Sunday to 8 pm Friday — 24 hours a day — and from 8 am to 8 pm on Saturday. From midnight to 8 am access to the libraries is limited to members of the MIT community. Circulation and reference services are not available during restricted hours.

The **Off-Campus Housing Service** welcomes any member of the community who either has available housing or who is searching for housing to contact our office in Room E32-121, x3-1493.

**Los Niños**, a non-profit community development organization with projects along the Mexico/U.S. border, seeks applicants for its summer internship program. Interns teach summer-school classes in low-income Mexican communities, and take part in educational experiences concerning Mexico and the border region. For more information call 661-6912.

## classified advertising

**Classified Advertising in The Tech:** \$5.00 per insertion for each 35 words or less. Must be *prepaid*, with complete name, address, and phone number. *The Tech*, W20-483; or PO Box 29, MIT Branch, Cambridge, MA 02139.

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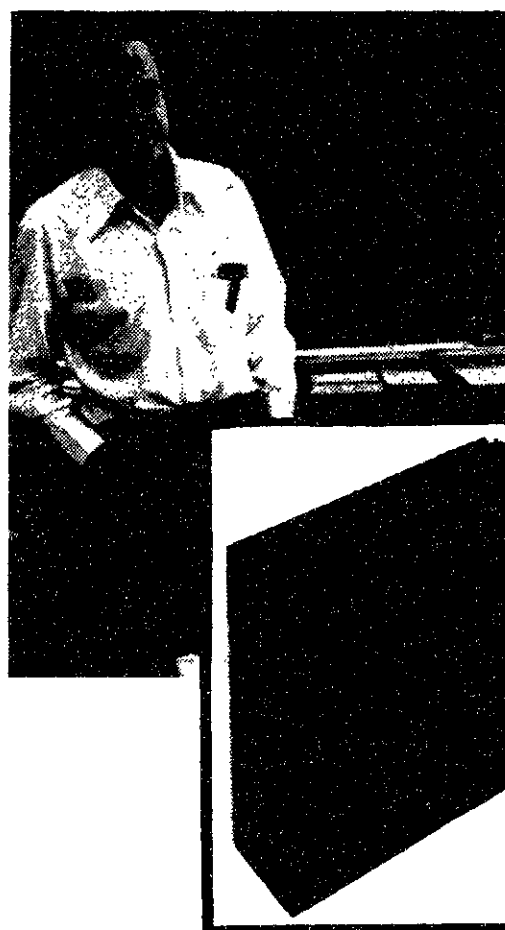
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# City recycling at capacity

(Continued from page 1)

The city currently pays \$74 per ton, plus a tipping fee, to have its garbage removed. It is hoped that by recycling some waste, the tonnage sent to landfills will be reduced. "It's really a cost-saving mechanism," said Peterson.

Because MIT uses the Jet-A-Way hauling service to dispose of its garbage, it does not affect the amount of solid waste the city collects. "Because the Institute is a commercial enterprise, we can not use the [city's recycling] center," said John C. Berlinguet Jr., superintendent of building maintenance and recycling.

"If the intent is to reduce municipal solid waste, then the market we're targeting is people who are served by municipal waste disposal," Peterson explained. MIT needs to develop its own program to deal with recycling and waste disposal "through a private hauler," she said.

## Students initiated MIT recycling program

The Department of Housing and Food Services is studying a campus-wide program for recycling. "We are looking for a program for all of the on-campus dormitories," said Karen A. Nilsson, general manager of housing operations. She is negotiating contracts with several companies in the metropolitan Boston area. She expected to "make some decisions by the first of the year."

Nilsson cited student interest in recycling as the primary reason for beginning the program. "Students have been very conscious of concerns regarding landfills and have taken the initiative in their own living groups," she said.

Two house managers, Bailey E. Hewitt of Senior House and John P. Corcoran of East Campus, work with students on the recycling project. "They've been working with students within their houses to develop a student recycling program," Nilsson said.

The student program will contribute to problems with Cambridge's recycling program. "We're swamped. We just don't have the capacity to serve those people we were intending to serve," Peterson said. Cambridge residents have waited for more than half an hour at the center on some occasions.

Student drivers estimated that they delivered three tons of garbage to the recycling center on Saturday, said Daniel J. Dunn '94, UA liaison to the recycling program. For the whole of last month, the recycling center re-

ceived approximately 64 tons of garbage.

The recycling center will not check to determine if the users of the facility are residents of Cambridge. "In reality if someone came, we wouldn't turn them away," Peterson said.

Cambridge has plans to add curbside recycling pick-ups, like those used in Brookline. This would alleviate crowding at the recycling center.

## Students were aware of possible conflict

Kumar and Amita Gupta '91 knew problems might arise with using the Cambridge center when they began the program.

"There is this sort of interesting fine line that isn't clear," Gupta said. She said employees of the recycling center said students could bring trash to be recycled. "It's not entirely illegal," she added.

"We've been aware that that might be a problem. . . . We haven't been able to find conclusive evidence either way," Dunn said.

The group decided to begin the program despite this uncertainty. "There's really no other place we can go to take stuff to be recycled without getting a contract from an outside vendor," Kumar said.

Acting Dean for Student Affairs Arthur C. Smith helps fund the program, but was unaware of any impropriety on the students' parts. "The people are responsible for their own actions. If there were some lack of awareness, we would try to negotiate with them," he said. "I wasn't aware of any legal liability we might have."

Smith provides \$150 per month to pay for the two vans used to carry trash to the recycling center. He does not supervise the students' use of the vans or the program itself.

The UA started work on recycling last year. "There was a lot of [research] done on it, but then the initiative was picked up by [Kumar and Gupta]," said UA President Manish Bapna '91.

The UA renewed its association with the project a few weeks ago. The UA supplies manpower and hopes to become more involved in the future. "It's definitely a UA concern. . . . It's something that the UA really wants to do," Dunn said.

## MIT may have recycling program next year

Now MIT needs to take initiative on recycling its waste, Peter-

son said. The state enacted a landfill ban last year that will limit what waste can be put in landfills. By the end of 1994, glass, aluminum, some metal cans, and single polymer plastics will be banned from landfills.

"It would [be ideal] for MIT to try to negotiate with its hauler of trash right now to see if you can get recycling services," Peterson said.

Food and Housing Services plans to begin its recycling program next year. Nilsson has received two bids from outside companies and is waiting for two more.

The program will cost the food and housing department money initially, but Nilsson hopes it will save money in the long run. "If the program is successful, the tonnage that will go to a landfill will be reduced," she said. She hopes money saved in hauling costs will offset the cost of recycling.

Students involved in Saturday's recycling drive expressed satisfaction with the results. They hope to expand the program to include Boston living groups sometime in the future. But Gupta cautioned, "It would be very difficult."

The recycling program accepts newspaper, glass, aluminum, and some plastics. The program does accept white paper for recycling. But the Institute has a program for recycling white paper, according to Berlinguet.

The living groups served by the program are Alpha Delta Phi, Bexley Hall, Burton-Conner House, East Campus, 500 Memorial Drive, MacGregor House, McCormick Hall, New West Campus Houses, Number Six Club, Phi Beta Epsilon, Random Hall, Senior House, Theta Delta Chi, and the Women's Independent Living Group.

## notices

### Counseling

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The Beth Israel Hospital hosts a **Rape Crisis Group** on Tuesdays at 7:30 am for women who are experiencing disruption in their lives immediately following or up to six months after being raped. The long-term crisis group meets Thursdays at 6 pm. For more information, call (617) 735-4738.

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Parenting is a tough job. If you need help surviving the parenting experience, the **Family Support Network and Parents Anonymous** are co-sponsoring a support group for isolated or overwhelmed parents. Every Tuesday night from 6 pm to 8 pm at Roxbury Children's Service, 22 Elm Hill Ave., Dorchester.

The Family Support Network is also sponsoring a support group for teen parents, every Thursday night from 6 pm to 8 pm at Roxbury Children's Service.

Counseling and **HTLV-III blood screening** services are available for individuals concerned about exposure to the virus associated with AIDS. For more information about this free confidential service sponsored by the Department of Public Health and Counseling Services, call 522-4090, weekdays from 9 am to 5 pm. Outside Boston call collect.

The **Greater Framingham Area Veteran's Outreach Center** is holding rap sessions for Vietnam veterans every Wednesday (except the third week of the month, when they will be held Thursday) at 7 pm. There is also a group for the wives of Vietnam veterans. For more information, call 879-9888.

The **Cambridge Dispute Settlement Center** has announced that it is making its service of mediating disputes available to roommates in the Cambridge area. Those interested in using CDSC's service to resolve a roommate dispute or any other dispute should contact the mediation center at 876-5376.

### Study Help

The professional tutor staff of the **MIT Writing and Communication Center** (14N-317) will be glad to consult with you on any writing or oral presentation project (papers, theses, letters, etc.) from 10 am-6 pm Monday through Friday. You may either phone for an appointment (x3-3090) or just drop in. In addition, workshops for those for whom English is a second language are held in the Center on Wednesdays from 6:15-7:15 pm. All services are free.

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The Director of the Polytechnic, Dr. Y.C. Cheng, will be at MIT on Wednesday, December 12. If you are interested in discussing these teaching and research opportunities in Hong Kong, come and meet Dr. Cheng on December 12 in Room 12-170 from 3 to 5 p.m. Dr. Cheng is particularly eager to meet students from Hong Kong and the People's Republic of China, but other students are also welcome to attend. He may have time to interview individual candidates on the evening of December 12.

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# comics

## Slurp

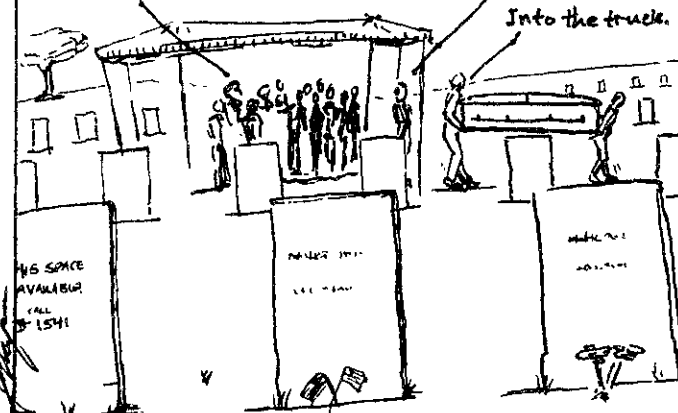
In a field outside of Boston...

Ashes to ashes...



OVER THERE! Grab the casket!

Who are you?  
Can't you see we were about to commit the deceased to the ground?



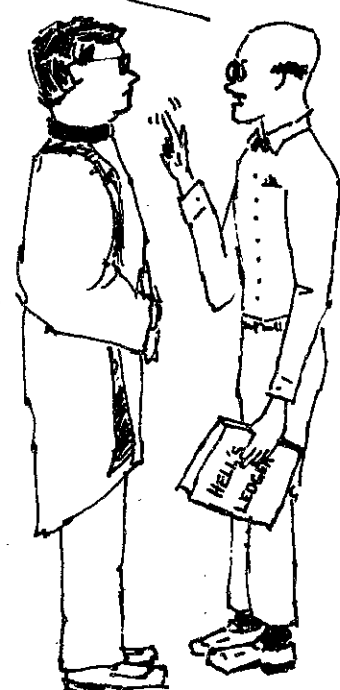
I'm the M.I.T. Burser.

Into the truck.

Slurp still has an outstanding balance. We don't let anyone get away this easy.



At least he's not from ARA.



By John Thompson

Wake up Slurp, you're in Valhalla now. Here's your sword and diploma.

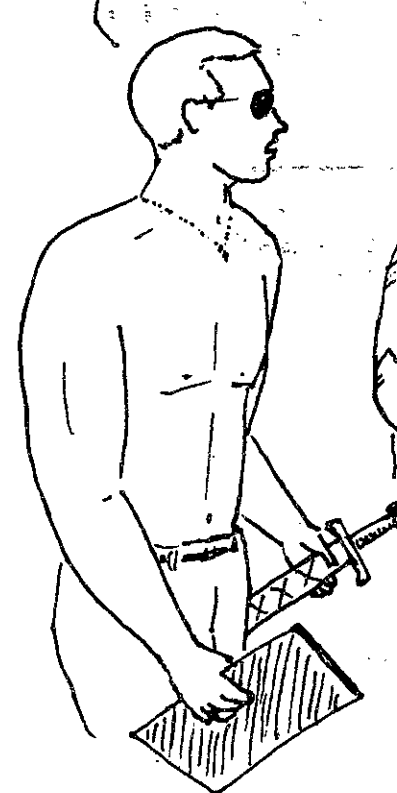


You mean I've graduated?

Yes. Here in Valhalla we battle all day, but by night we can rest, heal, drink with friends, and watch cable television.



Heaven! And I never have to spend another miserable winter in Boston?



No, you didn't lead that good of a life...

Goodbye MIT! I won't miss you.

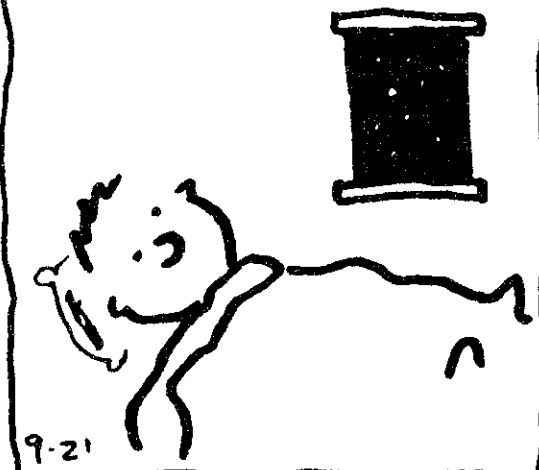
## Jim's Journal

by Jim

Last night I wasn't tired enough to get to sleep.



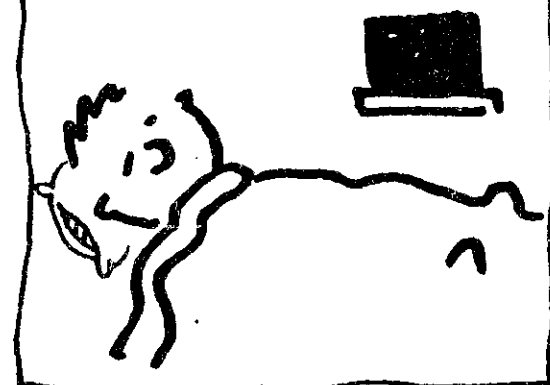
I sat in bed and let my mind wander.



I got thinking about being locked in a dungeon in a castle and how I'd escape.



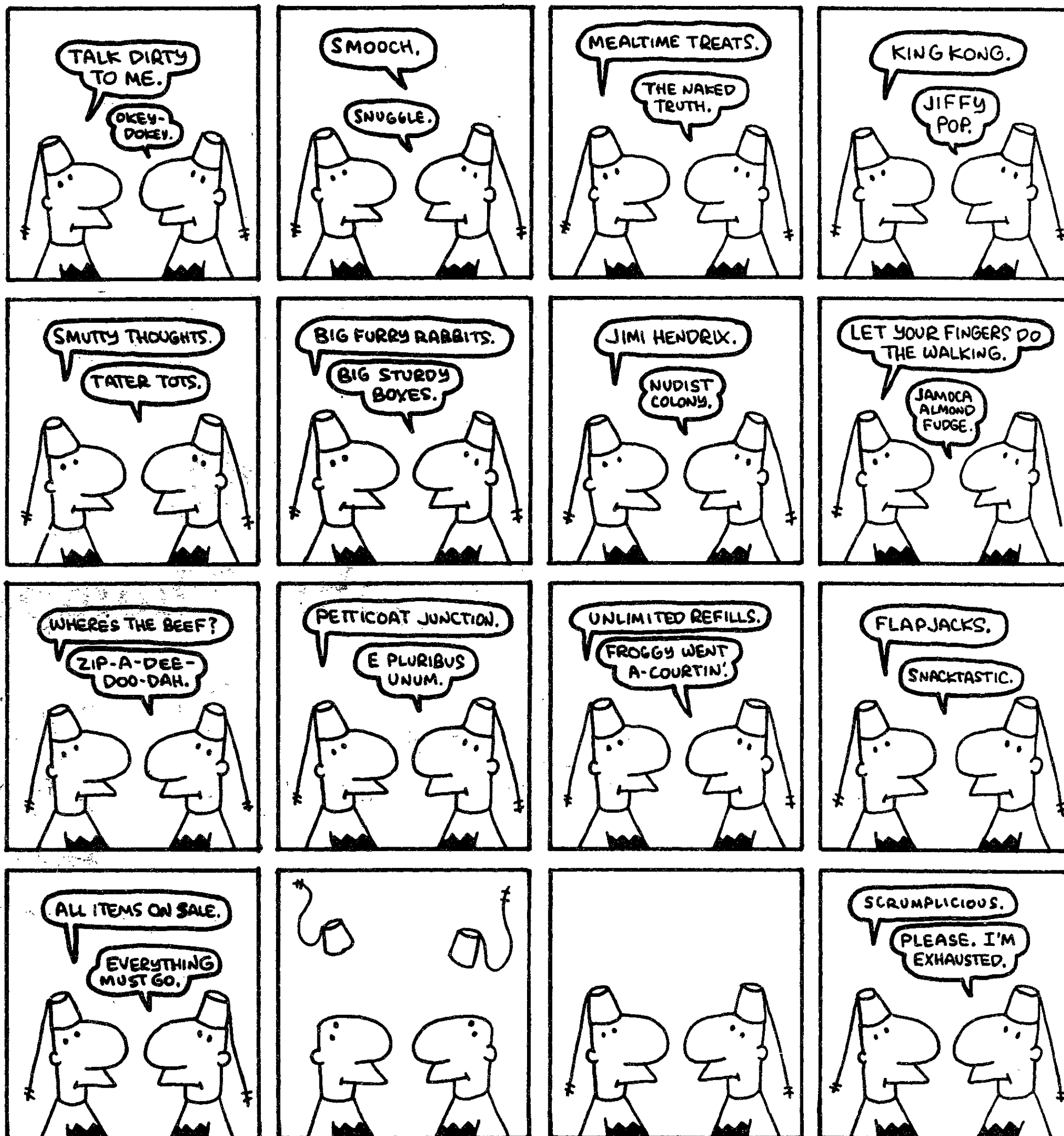
I don't know what I thought about after that. I must have fallen asleep.



9-21

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## comics

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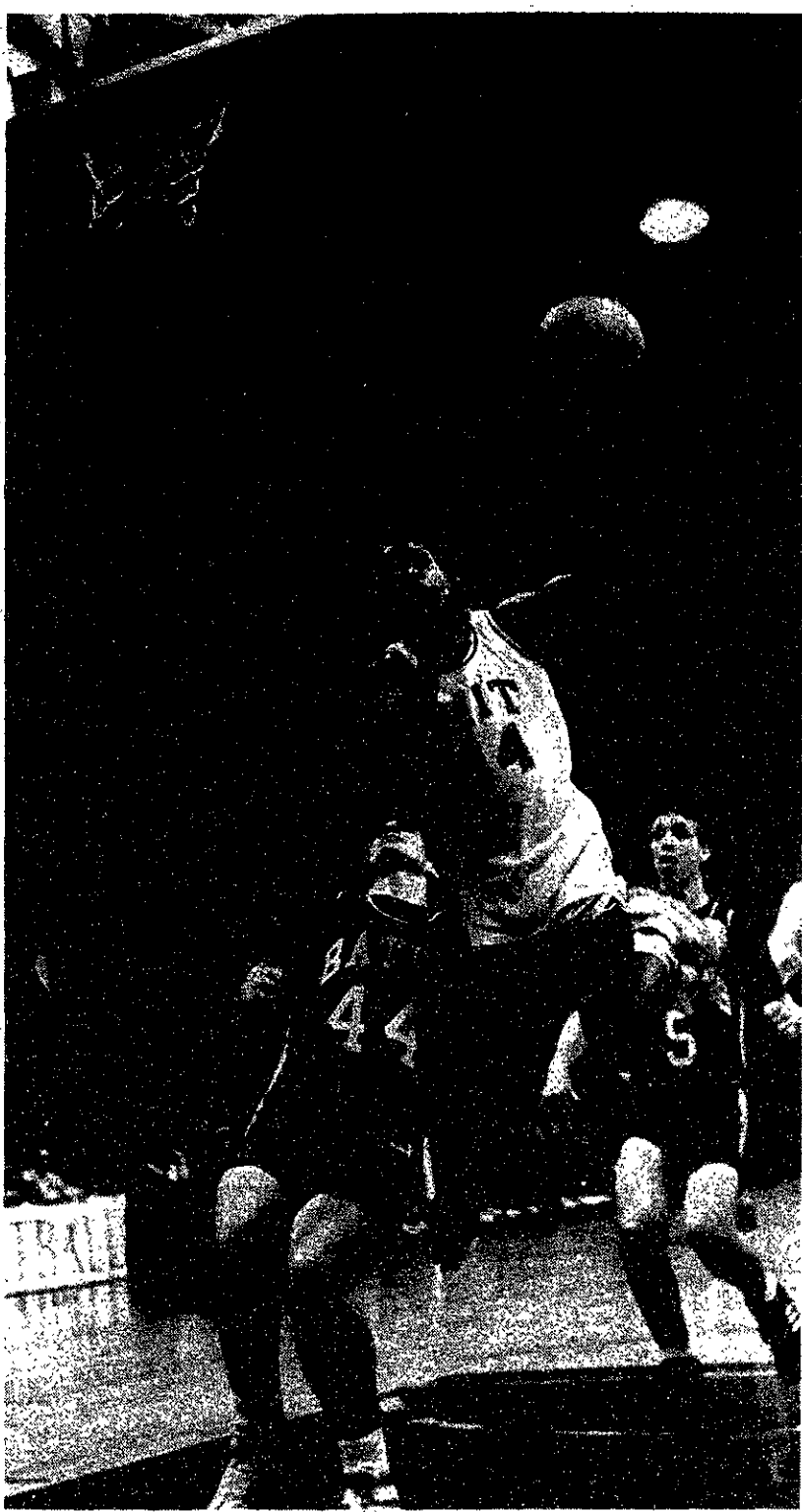


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# sports



William Chu/The Tech  
Ike Ogbuikwe '93 (#14) makes a lay-up in Saturday's game against Bates. MIT lost, 89-70.

## Cornell pierces men's fencing team

(Continued from page 24)

and Luis Maldonado '92, each with one win.

After the meet, the team was approached by a Japanese television crew filming a documentary about universities preparing for

the future. The team was more than happy to oblige with a fencing demonstration, which they look forward to viewing sometime after *oshogatsu* (New Year's).

The team will pause briefly for

the holidays and will resume their schedule on Jan. 17, when they will fence Duke University, North Carolina State, Johns Hopkins, Temple, Ohio State, and Navy.

(Sara Ontiveros '93 is manager of the women's fencing team.)

This space donated by The Tech



**Hush little baby  
don't you cry.  
If someone doesn't  
do something,  
you'll just die.**

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The fourth in a series.

The purpose of education is to develop basic thinking skills and to obtain a basis of knowledge in our chosen field. This provides the foundation for problem solving abilities across a range of disciplines.

However, development of better solutions to challenging problems requires dimensions beyond basic thinking skills and knowledge of the field; it requires creativity in conception and in approach.

The ability to be "creative" is often regarded with a sense of mystery and apprehension. Sometimes it is considered the exclusive purview of artists or others with the "right" aptitudes.

Of the many studies of creativity there is one common conclusion: if we give creativity enough attention, we get better at it. This suggests that creativity is a challenge like any other, a "problem" to be solved. It also suggests that, as with any other challenge, our attitude towards it, our desire for a solution, and our belief in the intrinsic worth of the task are the most important ingredients for success.

The principal obstacle to achieving creative breakthroughs is a premature conclusion that a better solution is not possible. For a "creative" solution is by definition one that is different from those that have preceded it and one that often runs counter to accepted knowledge.

To overcome this obstacle we need to add to our basic thinking skills and technical foundation the following elements of attitude:

1. A strong desire for a creative breakthrough.
2. Confidence in our ability.
3. An expectation that many false starts may be necessary.
4. Sufficient immersion in the problem to engage all our faculties.
5. A willingness to pursue solutions until a breakthrough is achieved.
6. Analysis of each attempt to aid in the development of insight.

In those cases where a task appears to be routine, we may also need to intentionally "spark" the creative process. We do this simply by asking how the task can be done better, for "better" implies a different approach, which in turn requires creativity.

There are, of course, other considerations. Especially important are the environment within which we work and the caliber of our associates. As with every other part of the problem solving process, interaction with capable associates can be an important catalyst.

However, most important is the awareness that the foundations for creativity rest inward with our attitudes. This includes a recognition that superior creativity is something we must intensely desire and that success does not come without effort and many false starts.

During our education, we usually are faced with solving problems that have two characteristics: 1) we know that a solution exists; 2) we know that the solutions can be obtained with the techniques under study. When we begin work, these conditions do not hold, and yet we face the challenge of finding solutions. If we are aware of the foundations of creativity during our education we can better prepare ourselves for this challenge.

*Note: Each year the Bose Foundation sponsors a one year fellowship for a first year graduate student in electrical engineering. Please see your faculty advisor for more information or write Rhonda Long, Bose Foundation, The Mountain, Framingham, MA 01701-9168.*

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# sports

## Track coasts by Holy Cross

By David Rothstein

The indoor track team scored a 75-52 victory over the College of the Holy Cross last Thursday at the Johnson Athletics Center. The Engineers swept the 55-meter high hurdles and the high jump, and got two firsts from senior co-captain John-Paul Clarke and three from junior Kevin Scannell en route to the win.

Clarke dominated the 35-pound weight throw with a 55-foot, 5½-inch toss, and won the shot put, at 44'-11½".

Scannell, meanwhile, racked up 16 points on the strength of first places in the long jump (21'-10¼"), triple jump (43'-7¾") and 400 meters (51.56 seconds), as well as a third in the 200 (24.24).

Head coach Halston Taylor moved the team's other co-captain, senior Mark Dunzo, down from his customary spot in the 400 to the 55 and 200 races, matching him with Holy Cross' flighty senior, Maury Bonner. As expected, Bonner won both races, but Dunzo recorded good times for the second places, with a 6.65 finish to Bonner's 6.50 in the 55, and a 23.29 to Bonner's 22.88 in the 200. Dunzo also ran a leg on the winning (3:35.15) 1600-meter

relay team.

Ed Cho '93 got an upset win in the 55-meter hurdles, leading second-place finisher Matt Robinson '94 (8.42) and Dean Moon '92 (third, 8.46) in the sweep.

MIT also swept the high jump, with all three jumpers clearing 6'-2". Garret Moose '91 took first with the fewest misses, followed by Tom Washington '92 and James Kirtley '94.

Moose also picked up seconds in the long jump (21'-9¾") and triple jump (40'-8¼"), as well as a third in the pole vault (12'-6").

The 800 meters may have been the afternoon's most exciting race, although meet officials disqualified MIT's Jon Claman '93 for cutting off Holy Cross's Tim O'Brien as the runners entered the bell lap. Claman held the lead for most of the race, with O'Brien maintaining close contact. O'Brien faded with 150 meters to go, perhaps distracted by Claman's interference, but Holy Cross' Joe Cusack pulled up on Claman and passed him with 10 meters to go.

Pete Ronco '92 broke nine minutes in the 3000 meters for the second race in a row, coming in second, in 8:59.78.

The varsity team has three

weeks off from intercollegiate competition, but will meet the MIT alumni on Saturday, at 1:30.

### Indoor Track vs. Holy Cross

at the Johnson Athletics Center  
December 6, 1990

**Weight throw** - 1, Clarke, MIT, 55'-5½"; 2, Cummings, HC, 50'-10"; 3, Hathaway, HC, 47'-11¼"; 4, Fleming, MIT, 42'-2".

**High jump** - 1, Moose, MIT, 6'-2"; 2, Washington, MIT, 6'-2"; 3, Kirtley, MIT, 6'-2".

**Pole vault** - 1, McMahon, HC, 13'-6"; 2, Robinson, MIT, 13'-0"; 3, Moose, MIT, 12'-6"; 4, Zebrak, HC, 12'-0".

**Long jump** - 1, Scannell, MIT, 21'-10¼"; 2, Moose, MIT, 21'-9¾"; 3, McLaren, HC, 20'-10½"; 4, Tewksbury, MIT, 20'-10".

**Triple jump** - 1, Scannell, 43'-7¾"; 2, Moose, MIT, 40'-8¼"; 3, McMahon, HC, 40'-6½".

**Shot put** - 1, Clarke, MIT, 44'-11½"; 2, Hathaway, HC, 42'-7¼"; 3, Fleming, MIT, 41'-1½"; 4, Lees, HC, 39'-10¼".

**55 meters** - 1, Bonner, HC, 6.50; 2, Dunzo, MIT, 6.65; 3, Chiang, MIT, 6.95; 4, Cummings, HC, 7.06.

**55 meter high hurdles** - 1, Cho, MIT, 8.26; 2, Robinson, MIT, 8.42; 3, Moon, MIT, 8.46; 4, McMahon, HC, 8.46.

**200 meters** - 1, Bonner, HC, 22.88; 2, Dunzo, MIT, 23.29; 3, Scannell, MIT, 24.24; 4, Chiang, MIT, 24.90.

**400 meters** - 1, Scannell, MIT, 51.56; 2, Corcoran, MIT, 53.18; 3, Zebrak, HC, 53.29; 4, Martel, HC, 54.00.

**800 meters** - 1, Cusack, HC, 2:00.6; 2, O'Brien, HC, 2:02.5; 3, Knodler, MIT, 2:08.6; 4, Sammy, HC, 2:08.9.

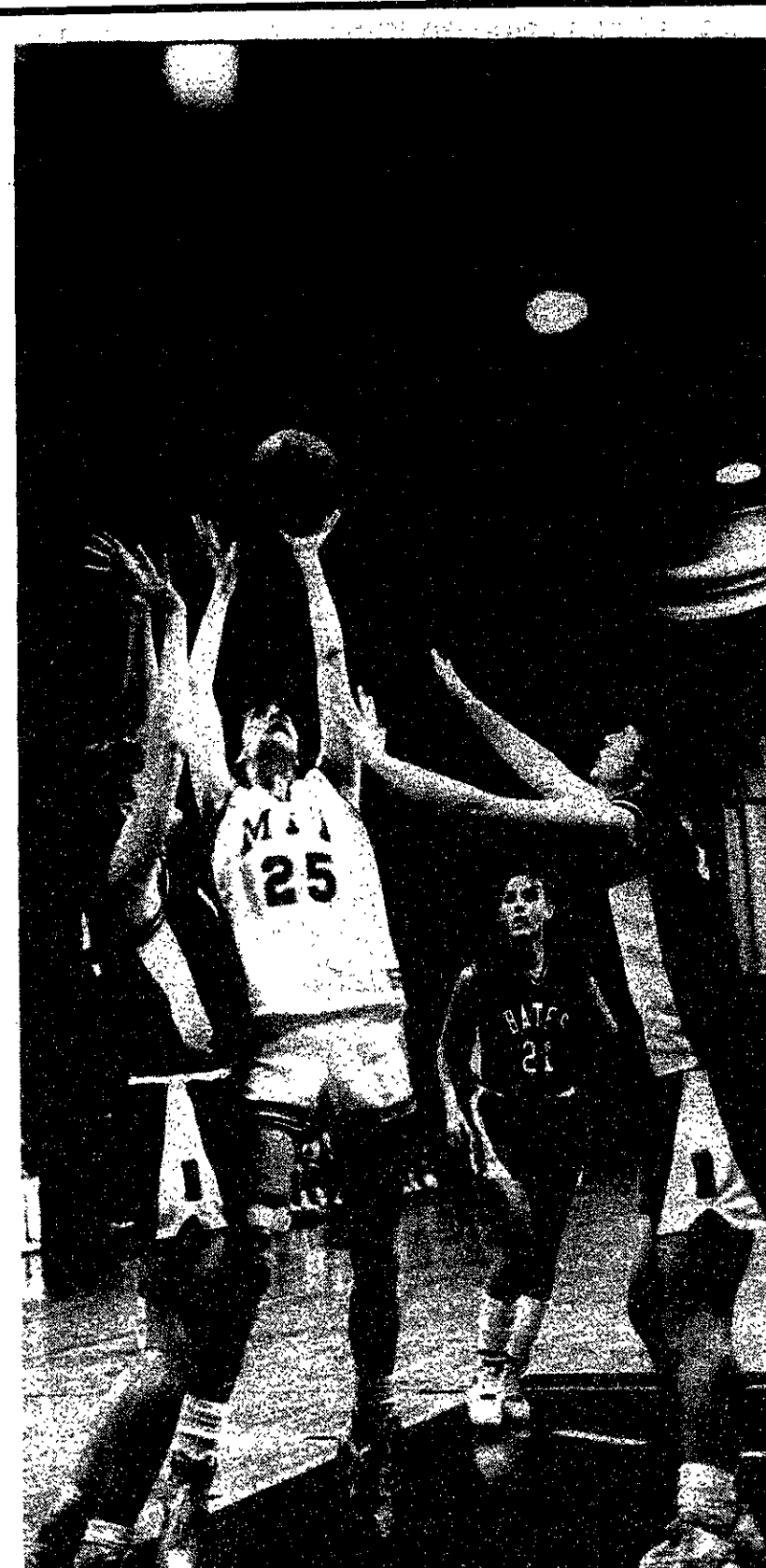
**1500 meters** - 1, Petrone, HC, 4:14.91; 2, O'Brien, HC, 4:17.95; 3, Gallivan, HC, 4:18.00; 4, Suryadevara, MIT, 4:25.92.

**3000 meters** - 1, O'Brien, HC, 8:55.10; 2, Ronco, MIT, 8:59.78; 3, Williams, MIT, 9:19.82; 4, Renz, HC, 9:27.50.

**1600 meter relay** - 1, MIT, 3:35.15; 2, HC, 3:44.91.

**3200 meter relay** - 1, HC, 8:28.45; 2, MIT, 8:32.75.

1, MIT, 75; 2, Holy Cross, 52.



Michael J. Franklin/The Tech  
Cheryl Klepser '91 sets up the ball in Saturday's game against Bates. MIT lost.



William Chu/The Tech  
Deishin Lee G battles it out with Wesleyan defenders in Saturday's women's hockey game. MIT won, 7-0.

## Women's fencing defeats Cornell

By Sara Ontiveros

The women's fencing team chalked up another one in the wins column last Saturday when they triumphed over visiting Cornell University, 10-6. Even though the 2-2 score at the end of the first round cast doubtful eye at the meet's opening, the Lady Blades were able to turn tide, taking three of the next four bouts.

Maintaining an aggressive posture, the team was able to hold the lead through the 9-5 victory. Top scoring honors went to captain Felice Swapp '92, who took all four of her bouts, including the precious ninth victory. Next came Alice Chang G with three wins, Sara Ontiveros '93 with

two, and Heather Klaubert '94 with one.

The men's team lost to Cornell, 18-9, narrowly losing foil and epee, 5-4 each, and losing sabre, 8-1. The one sabre victory came from freshman Mark Hurst '94 in the first bout of the day.

The epee squad struggled

against a 4-2 deficit going into the final round, where they were able to recover only two of the remaining three.

The men's foil squad was led in scoring by Ken Ellis '93, who took two bouts. He was followed by captain Freeland Abbott '92

(Please turn to page 23)

## Upcoming Home Events

Saturday, December 15

1:30 Indoor Track vs. MIT Alumni

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Please keep in mind that most international students travel during the holidays. The International Student Office is generally flooded with requests at this time. Stop by early to ensure that your documents are in order, especially if you need to apply for a new visa!