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 1991, an increase of 119 from last year. Yet the increase is not due to an increase in the number of applicants applying early, according to Joan F Rice, associate director of admissions.

The increase in acceptances was simply due to the caller of early action applicants, the 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.

The admission office is known to MIT reservists in the reserves. No precise number of faculty and staff counts do not take into account reserve forces in the reserves. No precise number of faculty and staff are patrolled by car. Each zone is patrolled by a single officer, she said.

The mit police force is part of the Office of Public Safety, and that rush for independent living dormitories on campus, and that rush for independent living is not unusual for the academic departments, the said.

MIT police similar to other area universities

MIT’s police force is comparable in size to police forces at other campuses in the area. Rice 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.

Northwestern University’s police force is part of the Office of Public Safety at that university. It has approximately 50 sworn officers, while also hires as an outside contractor to “pursue the exercise of some residence halls,” according to James Fiore, Northwestern’s associate director for public safety.

Some universities in the area, including Boston University, have minimum ranking 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 Saturdays," said referring to a recently passed bill requiring universities to distribute crime information.

"If the program works well," Glavin said, "we would think about extending it to the dormitories."
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 and Friend of MIT Students For Nearly Thirty 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 of the dormitory as "a gift 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 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 100 dorm rooms, 190 graduate students in a variety of programs, from single- and multiple-bedroom suites to doubles, 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 too inconvenient to most students," said Robert D. Kiss, graduate coordinator of the house.

Students are presently working out policies for the house. "We are currently trying to formulate policies for the use of common spaces in the building," Kiss said.

Commenting on the safety of the neighborhood, Kiss said, "It's a possibility that 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."

MIT admits 543 for early admission

Morgan Core/The Tech

Esther H. Edgerton and Graduate Student Council President Michael D. Grossberg 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 Professor Edgerton SM '27, world-renowned MIT professor and inventor of the strobe.

MIT accepts 543 for early admission. The breakdown of students admitted early is as follows:

<table>
<thead>
<tr>
<th>Race</th>
<th>Number of Admissions</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>292</td>
</tr>
<tr>
<td>African-American</td>
<td>37</td>
</tr>
<tr>
<td>Asian-American</td>
<td>19</td>
</tr>
<tr>
<td>Hispanic American</td>
<td>16</td>
</tr>
<tr>
<td>Native American</td>
<td>15</td>
</tr>
<tr>
<td>Puerto Rican</td>
<td>14</td>
</tr>
<tr>
<td>Other</td>
<td>23</td>
</tr>
</tbody>
</table>

After an average rating is determined, it is then compared to a computed-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 which is awarded admission to MIT.

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

The Tech's 90 of the Chrallaries echoes "Sing a Song" during the Chrallaries', Loghanythens and Harvard Callbacks Christmas Concert Saturday night.

Sandra E. Serkes

The Massachusetts Risk and Insurance Management Society is seeking to recognize outstanding risk management majors with a strong interest in risk management. For more information and an application, please contact Lauren Vennix at (617) 845-4350.

In a new format last fall, the "Fellowships, Scholarships, Grants, and Awards" section will feature 21 scholarships available for undergraduate students. The fellowships, for example, have been awarded by Oak Ridge Associated Universities, the US Department of Energy and environmental groups, the US Air Force, US Army and Navy, the Canadian government, the Air Force, and the National Science Foundation.

Meetings, Schools, Conferences, Workshops, Grants

Meetings

Every Tuesday at 1 pm in Walter 225, there is a Japanese Lunch Table. Bring a big bird, make friends and join this f relly. Group. (All are welcome.)

Fellowships, Scholarships, Grants, and Awards

21 scholarships are available for undergraduate students. The fellowships include a computer program at the MIT Department of Management, which provides students interested in computer science.

The friends should be submitted to the MIT Office of Admissions, 77 Massachusetts Ave., Cambridge, Mass. 02139. The deadline for applications is Jan. 15, 1991.

For more information, contact the MIT Office of Admissions at (617) 253-9592.

The Samuel Huntington Public Service Scholarship provides an annual award of $10,000 for a graduating senior to pursue public service in the public sector. The award is open to seniors majoring in the sciences, engineering, social sciences, and public policy.

The award winners are expected to serve in a government or non-profit agency, either in the United States or abroad.

The 1990-1991 award will be presented to Jennifer S. May, a senior majoring in foreign languages and literatures, who is the recipient of the award.

For more information, contact the MIT Office of Admissions at (617) 253-9592.

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Nation

Blacks males die earlier than white counterparts, statistics show

Statistics show that poverty, violence and disease are in-creasing the disparity in life expectancy between black and white men in Massachusetts and around the country.

Recent figures from the National Center for Health Sta-tistics 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 dispor-tunities in most illnesses, including AIDS and other sexually transmitted diseases. A study in the Journal of the Ameri-can Medical Association found that a major reason for the disparity is poverty—for example, lack of insur-ance or doctors in poor neighborhoods. Violence is also a factor.

The Journal study found that black men in America have a one in 131 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 preg-nancy for up to five years has been approved by the fed-eral 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 continuous synthetic hormone slowly over time.

The New York-based Population Council, which de-veloped the device, said it is better than contraceptive pills and is better tolerated. The capsules are removed when the women want to stop using them.

Norplant, which is the first major new contraceptive since the pill, 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 admin-istrator Dick Truly said his agency intends to take serious-ly recommendations from a top-level review committee, which said that the space shuttle fleet—bedeviled by me-chanical problems this year—should be reserved for mis-sion critical changes in shuttle program.

The council said the space shuttle fleet has been approved in 16 countries, where over 500,000 women have used them.

Norplant, which is the first major new contraceptive since the pill, will be marketed by Wyeth-Ayerst Laboratories of Philadelphia, Pa. No pricing for the product has been announced yet.

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, and said the second half is "at best flat and weak," moving very slowly as they left the plane. The group had stopped in Frankfurt, Germany, Sunday before returning to San Antonio.

Some of the former captives said of hiding barefoot in apartments in Kuwait. Others lived in primitive conditions under interrogation. But one said he was put up in a palace belonging to Kuwaiti’s royal family and was told he was “crazy.”

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 the area, near Kuwait, and is not backing away from the military occupation. Iraq has said it will not give up the Kuwait it considers to be another province. The Iraq in-formed.

The midled emir of Kuwait called on Saddam Hussein to hasten talks. President Carter said he was not sure whether a meeting in Munich will be possible.

In other Gulf news, France is planning to send more marines by about 30 percent on both sides.

Iraq. The French defense minister said food is an especially pressing problem. Baker had been reinforced.

Germanyafter their release Sunday.

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 aid and other aid to get the Soviet Union through the winter.

Baker spoke in Houston, TX, as he started talks with So-viet Foreign Minister Eduard Shevardnadse. The Soviet official said food is an especially pressing problem. Baker and Shevardnadse will work on nailing down compo-nents on the remaining obstacles to a treaty reducing the number of long-range missile, bombers and sub-marines by about 30 percent on both sides.

Havel warns additional power to preserve Czechoslovak union

Czechoslovakia’s president said his nation is threatened by infiltration 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 cannot be the end of the matter — in his view, what the national parliament says, goes.

US. USSR agree on formula for Afghanis 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 diplo-mats said the document is intentionally vague on how to end the local 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.

Navalç navigate 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 Obser-vatory keeps official track of when 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 incurred into “Hubbard Hall of Shame”

Volvo is still catching flak for its ad that showed a Volvo resisting the weight of a truck driven over its roof. It’s being incurred 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 mar-king a cure-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.

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 and an internal audit showed that a one-half dis-posal of hazardous materials and wasteful spending. The groups also showed that the VA has been used in the VA. However, an internal audit, which covered Sep-tember 1986 to September 1995, concluded that overall operations were conducted efficiently. The medical cen-ter’s director, Smith, said that the problems have been taken on day.

Rubes®

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 rug.
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 unrealistic propaganda and rigid discipline at a time when people want freedom, free choice, and political power. Governments in Mao's China, Castro's Cuba, and Ore- gano Nicaragua failed in this way, and fell victim to the same post-revolutionary collapse. Still, it seems, the military leadership of some nations is trying to diversify, at the cost of overthrowing the legitimate civilian government.

Recently, Thailand's prime minister, Chaochat Choonhavan, had the gall to defy the orders of his military chief of staff, General Sansur 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 59 years, is setting a dangerous example. Chaochat correctly asserted that his government would lose credibility if it blinded itself to 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 that can tear a country apart, unlike France's Algeria crisis, a band of creative-minded paratroopers attempted to 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 control of the state or of parts 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 reserves, are happy 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 dis-credited. 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, promising new revolutions. People die and little gets accomplished, except that maybe the trains start to run on time.

So what should the interested parties in Thailand do? Chaochat should stand firm. The generals, if they wish to play politics, should resign and seek political office. If what they have to say is as wise as they believe, the army's authority will be discredited. But if what they have to say is not as wise, they should not be allowed to run the country. If the legitimate civilian government gains enough popular support, the army's authority will be discredited. If not, the army may seize power. To prevent this, the nation must stay under democratic control.

Matthew H. Hersch, a freshman, is an associate opinion editor of The Tech.
Letters to the Editor

At home and abroad: Two views of gulf crisis

Dear The Tech,

I was interested in Larry McTigue's letter recently titled "Don't blame us." In particular, his statement that "During the 1980s, the United States in fact gradually escalated its involvement in the gulf crisis, increasing the likelihood of war" seems quite accurate. It troubled me that McTigue made no reference to what in my opinion was the real cause of this involvement, i.e., the Soviet Union.

Of course, the Soviet Union was promoting its expansionist agenda in the gulf, which had been significantly accelerated once the United States had left the area after its intervention in the Quamara rebellion in 1961. By 1987, the Soviet Union had increased significantly its military presence in the region.

I have just returned from a year in Iran, where I was struck by how the Soviet military presence was perceived. The Iranians were very much in a situation similar to what the Iraqis are experiencing now. They were being threatened by a country which had increased its military presence in a region where the previous superpower had left.

So, essentially, the reason the United States is involved in the gulf crisis is the same reason it was involved in Vietnam. Although the gulf has different meanings for the United States, it is driven by exactly the same motives.

Sincerely,

[Your Name]

P.S. I am a junior majoring in Middle Eastern studies.

Letters policy

The Tech welcomes letters from its readers. All letters are subject to editing and are published at the discretion of the editors. Letters must sign their letters and include their full name, address, and affiliation. If, for any reason, you are unable to sign your letter, please state so. Noticeable errors will be corrected, but the Tech does not guarantee that all errors will be corrected. Letters should be kept under 500 words. The Tech publishes letters anonymously only in rare circumstances.

Thank you Bill Jackson, for writing so poorly

Bill Jackson is the worst column writer at The Tech. He is the best way to work for peace in the Middle East. His columns are filled with vacuous and threadbare arguments that seem to be written by a two-bit scribe, embodying none of the wit and caustic tongue-searing tempera- ment we have come to expect in P. J. O'Rourke and used to enjoy in Hunter S. Thompson. Jackson is a failed genius writer, trying so hard to emulate the stone-cold mythical figure of American journalism that he ends up sounding like a two-bit shocker, a young Andy Rooney with a Penelope subscription.

But he has guts. He is not afraid to be common; often refreshingly, ungraced, and stupid. This puts him far above the host of other tech writers, especially the arts reviewers, who are afraid of their own bad- lily functions. I'd lay odds that the reviewing staff are made up of a few, few, few. I'd lay those in one of Marvin Minsky's committee.

God bless you, Bill. You are the last brashling, faring, hu- man writer at The Tech. You are the future hope.

Greg Terras '92
Jim's Journal

By Jim

At the copy store today I was just cleaning up stuff around the floor.

I had to empty the trash, too.

It was really sunny outside, and with all the windows in the copy store, it was really bright in there.

I looked at Hal, who was helping a customer, the sun was shining onto the back of his head and his ear looked bright orange.

Today at the copy store one of the people I work with, Joel, said he was going to San Francisco.

I told him my mom just went to San Francisco for a piano teachers convention.

He didn't seem too interested.

After I said it I realized it wasn't a very interesting thing to say.

Let MIT know that you care about good teaching.

Nominate your favorite faculty member for the:

BAKER FOUNDATION TEACHING AWARD

The winning professor will receive:

A $1000 honorarium and
A bronze medal
to be presented at the Spring Awards Convocation

Pick up a nomination cover letter in the UA Office, Room W20-401

Deadline - December 13
City campus crime trends vary

(Continued from page 1)

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

Devlin explained that BU patrol officers 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 follow, 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 patrol is 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 number of crimes took place during the first six months of 1989, Glavin said. Serious crimes are defined as assault, rape, robbery, homicide and other crimes against the person.

Three hundred property crimes took place in the first half of this year, including the theft of 78 wallets. The number of property crimes for January through June 1989 was not available. Both car and bicycle thefts dropped from last year. Car thefts fell from 25 to 17, bicycle thefts from 73 to 56. Northeastern has also seen a decrease in on-campus crime 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.

FHC recommendations are put on hold for now

(Continued from page 1)

as an all-freshman dormitory, but did suggest a mandatory random distribution of freshmen throughout the dormitory system, according to Wrighton. Wighton 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 provide 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 this change would radically affect the present residential system and restrict students' freedom of choice in residence selection.

IAP RIFLE COURSE

Instruction in Marksmanship and Safety

Jan 7 - 9 & 14 - 16
6:30 - 9:00
Dupont Gymnasium

$50 entry fee. Limited to 16. Call 494-8611 to register.

Meet "Doonesbury"

Saturday, December 15th From 10:30AM-12:30PM
At The Harvard Square Coop
He'll be autographing copies of his latest book: Recycled Doonesbury Second Thoughts On A Gilded Age
Reg. $12.95 With Coop 10% Discount, $11.66
Published by Andrews & Macleel

The Tech ad IAP RIFLE COURSE

IAP RIFLE COURSE

Instruction in Marksmanship and Safety

Jan 7 - 9 & 14 - 16
6:30 - 9:00
Dupont Gymnasium

$50 entry fee. Limited to 16. Call 494-8611 to register.

!! SCIENCE FAIR VETERANS !!

WERE YOU IN A SCIENCE FAIR IN HIGH SCHOOL?

WANT TO HELP SOMEONE ELSE?

WE NEED YOUR EXPERIENCE!

Come work with high school students during IAP and beyond at the Cambridge Rindge and Latin School.

Volunteer some time in January and February to help students prepare for


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

The Concord Bell Choir

Happy Holidays

MIT

photo by Utpal Bhushan

The Muses

photo by Douglas D. Keller

photo by Michelle Greene
Holidays

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 vocal talents at its most imaginative. Her recital, titled Sorcy, No Bach, was given in Kresge and sparked 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.

David Schmidt '91 set texts from elementary school children in his Five Very Early Songs (1990). The texts were buoyant, fresh, and sassy, including "the thousand dollars" and "secretary and dam the drag on." 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. The texts are signs of the same songs heard in years and display Schmidt's tremendous potential for an individual and intuitive line.

Voice and Performance (1990) by Charles Ives is both an experimental venture into the potential of wordless voice. Scored for a small, creaky percussion ensemble (complete with requisite xylophone bowing) played by Eric Oulding '88, the piece's sparse texture and angular, non-intuitive lines provide a tremendous risk for the singer. Though Kreuze clearly rises to the challenge, the music's eclectic wanderings lacked sufficient definition to provide a focus 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 (1911) 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 sustained 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 Albini Berg's Seven Early Songs (1905-1908), the last group of tonal-chromatic Weltenschmerz before the birth of serial composition and Viennese serialism. These songs — from seven-turns-of-the-century poems — 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 preciousness. 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 breathlessness, lack of visceral breath-connection, and thin upper registries could not be covered by the thin texture of Pokorny or Copland's works. Although her natural inclinations toward romantic interpretations would have stood her through these two works, her innovation was segmented by more traditional, less heartfelt approaches of text and score. Nonetheless, through these pieces were less seamless.

Kreuze was occasionally able to hit emotional peaks and give the audience something very personal to take home.

It is perhaps not surprising that Kreuze did so well with "early songs," being just early herself. However, like the pieces in question, she shows tremendous artistry and a clear dramatic understanding. She could quite realistically become another fan of Gestalt once her technique solidifies.

It would be very rewarding to hear Kreuze perform Hindemith's Marienlehen (first version) or a bank of Kurt Weill or Porter 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.

POETRY AT THE MEDIA LAB
presents

Sharon Ben-To

December 13, 1990 at 7:30 p.m.
Bartos Theatre
Wiesner Bldg., Lower Level
For Information, call x-0312

CHASENKAH SALE
LOBBY 10
MONDAY & TUESDAY

- Menorahs
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Chaneskah begins Tuesday evening, December 11!

Sponsored by M.I.T. Hillel, #253-2832
The Tech Performing Arts Series announces

ANDREY BALAILA ORCHESTRA

A rare opportunity to hear a world-renowned orchestra for the balalaika, an ethnic Russian folk instrument, performed by a virtuoso ensemble on its first US tour since 1990. A Bank of Boston Club Theatre event.

Symphony Hall, January 9 at 8 p.m.

PRICE: $16

PRO ARTS CHAMBER ORCHESTRA

A concert for the whole family. A special children's ticket to Phantom of the Opera, The Pro Arts Chamber Orchestra has the next best thing — the premiere performance of Phantoms of the Opera and The Dark Side of the Symphoria: Music by Menotti, Beethoven, et al.; script by Juana Locke.

Sunday Theatre, January 12 at 3 p.m.

PRICE: $16

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

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A few gems save Quintessential Holiday

The Chairman of the Board hits another quarter century mark

By JOHN WARD

Frank Sinatra, "Stephens of The New York Times once wrote, "virtually invented modern pop song writing." His voice, creamy smooth yet packing the punch of a lung fu master, hit the campaign trail as a young man with American male singers, from Presley to Ray Acuff to Asa Rose, had been measured. And so it is altogether fitting that we take all too celebratory look at this hobo's third, or perhaps ordinary man, one day shy of his 75th birthday.

Sinatra was born Dec. 12, 1915 in Hoboken, N.J. He began his singing career in the glee club at Durenst 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 called "The Hoboken Four," which later won first prize on a local radio show.

Sinatra's big break came in June 1939, when band leader 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.

But the album's high points really do save this collection. "Dreams 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 best of 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 only by Teddy Wilson's piano solo.

The other songs on the album are all seriously flawed. "Under a Blue Jungle Moon" tries to ride the popularity of those Three 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" is absolutely no feeling, and the musicians are to blame for this.

Although Billie Holiday was making wonderful music throughout the 1950s, it wasn't until this low period that she tragically gained popularity. John Hammond had something to do with this. Around this time, he and Barzey 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 night-club's headliner and also produced many of her recording sessions. This went well until Hammond and Holiday developed a conflict. Holiday, who was left, Hammond and joined the folks at Commodore by 1940. Surely this is where Columbia's Quintessential Volume will pick up.

Volume 8 will probably be much better. And volume one through six, for the most part, are better than Volume 7. But don't overlook 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 7; it will be worth it. If you've already a fan, I don't think you would want to miss "Dream of Life" or especially "Long Gone Blues."

During IAP, you can do...

- 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.

Call Debby at 253-1541 for more info.
Every Monday—Saturday, Temple Theatre, 5 and Big Canvas perform on December 19. At the Paradise: J. T. & the Scream, and Trip Wire and Steep Chamber performs in an 18+ ages Telephone: 641-1010.

Symphony perform on December 28 at Casale Square. Telephone: 262-2437.


Bristols on December 20: Barrence Whippfield and The Savages on Beacon Avenue, Boston. Telephone: 234-2052.

Kings on December 20: Bond That Time on Northampton. Telephone: 495-4700.


Men's Chorus at Jordan Hall on December 18. Location: the Carpenter Center, Harvard University, Cambridge. Telephone: 497-8200.


The Chilingirian String Quartet performs at the Davis Square T-stop on the red line. Telephone: 775-9667.


JAZZ MUSIC:

The Boston Cameratas present The Christmas Carol, by Charles Dickens, with Ron Holgate and Barry Nelson, is a comedy starring Ron Silver, is presented December 20 to January 20 at The Boston premiere of August Wilson's Fences, presented December 28 in Cambridge, Mass., at the Charles Theatre. Royalty Theatre in the Charles Theatre, 54 Charles Street, Boston, MA 02116. Telephone: 962-0665.

Antonin Dvorak's String Quartet in F minor, performed by the Barrence Whippfield and The Savages quartet, is presented December 25 in Sanders Theatre, Harvard University, Quincy and Kirkland Streets, Cambridge. Tickets: $13, $19, $25. Telephone: 426-0800.

THEATER:

FILM & VIDEO:

JAZZ:

ClASICAL MUSIC:

ECONOMIC RECOVERY:

The MIT Community is Cordially Invited to a Messiah-Sing:

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

Friday, Dec. 14
3:30 - 5:30 pm
Mezzanine Lounge
Student Center

Sponsored by the Lutheran-Episcopal Ministry at MIT
Jim's Journal

This morning Tony asked me to come over and listen to what happened to him last night.

It was complicated, but centered around his almost getting arrested in front of a bar.

"I met this awesome girl, too," he said. "I wish I'd got her name!"

His voice was low and gravelly because of it being so early in the morning.

---

Massachusetts Institute of Technology

Whitaker College of Health Sciences and Technology

Division of Toxicology

Chemicals and Human Disease

TOX 104J
TPP 53J 4-0-5

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 course 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)
No MIT reservists deployed to the Gulf

Minimum of training before being placed overseas, according to Lt. Col. Gerald T. Wollman 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, Wollman 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 school year a lot of funding was diverted to support desert field training," Wollman said.

It's McDonald's® way of adding cheer to your holiday.

Just bring in this coupon and you will receive our combo special of a Big Mac, Large Fry and Large Soft Drink for $3.39.

Limit one per customer
Please present coupon when ordering
Not valid with any other offer.
Announcements

First of Clay is holding a holiday sale at 2 p.m. on Monday at the 5th Avenue Community Affairs near the intersection of Fullerton and 5th Avenue. The sale will feature a variety of holiday-themed items and decorations. For more information, contact First of Clay at (617) 253-0589.

Harvard University Graduate School of Design is sponsoring lectures. For more information, call 661-6912.

Japanese Lunch 'tacular will be held every Tuesday and Thursday in Room E32-121, x3-1493.

Birthday: The MIT Libraries will be sponsoring a series of little book sales in the basement of the Libraries, call 253-3354. Sales will be held every Friday from 11 a.m. to 4 p.m. Sales from a variety of subjects will be included. Open to the MIT community only. Circulation and reference services are required to attend a loan counseling session. Please contact the Bursar's Office for a schedule of the sessions.

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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. For more information please contact the Undergraduate Council Office, Room 4-306, 253-2334.

The Japanes Lunch Table will be held every Thursday in ROOM 220 at 12 p.m.

classified advertising

Classified Advertising in The Tech: $5.00 per insertion for each 30 words or less. Must be prepaid, with complete name, address, and phone number. The Tech, 920-484, or PO Box 29, MIT Branch, Cambridge, MA 02139.

Travel/On-Campus Sales Represen- tatives Wanted — Selling, aggress- ively. We have a variety of positions available for individuals or groups to market Winter and Spring publications. Call for information contact Student Travel Services 1-800-949-4049.

Naviagtion Technologies Inc. has two positions available for engin- eering/ software development for autonomous vehicles. These are part-time posi- tions, available immediately, with opportunities for full-time employment during the summer. Full-time employment during the summer may also be available. One position requires experience in designing and implementing graphi- cal user interfaces. The second posi- tion requires experience writing software for controlling electro- mechanical systems. Familiarity with C, C++, object-oriented programming, Macintosh Tools, or Win- dows 3.0 is desirable.

Please forward your resume to: Personnel Director, Navigation Technologies Inc., 31 Hunting Street, Cambridge, MA 02141.

The Tech Subscription Rates: $119 to your year and three class mail (10) weeks; $127 for the year if 1 year class mail (10) weeks; $80 one year (20) weeks; $65 one year (20) weeks to Canada or Mexico or sub- surface mail overseas; $80 one year (20) weeks overseas; $68 one year (20) weeks overseas; $115 one year (20) weeks overseas.

Museum of Fine Arts

Ofters opportunities to articulate individuals for televised, enthusiastic and good communicators skills a must. Competitive wages! Afternoons and evenings.

Apply at Suite 303, 296 Huntington Ave., or call 617-220-6422.

notices

Sale Away Holiday Sale

A Rare Treat: Feynman Lectures on Physics

This beautiful collection of titles from Volume 1 and 2 of Feynman Lectures on Physics is now available! Includes many of the classic masterpieces, such as "The Character of Physical Law," "Lectures on Electromagnetism," and "The Character of Physical Law." Also includes a special section on "The Feynman Lectures on Physics." For more information, call (617) 253-3354.

Is your Stress Level getting as high as this pile of books?

If so, come and join us at the Finals Lounge, during Finals Week, in the Bush Room, 10-105, 10 a.m. to 4 p.m. Monday-Friday.

Food and Beverages will be served, so come and take a load off!!

Sponsored by the Alumni/ae Association
City recycling at capacity

(Abridged from page 1)

The city currently pays $74 per ton, plus a tipping fee, to have its garbage disposed of. The cost of recycling is by far cheaper, running at about $15 per ton. "It's a real cost-saving mechanism," said Peterson. Boston College is also at the forefront of a new paper recycling effort. The department of Accounting, Marketing, Information Systems, International Business, Human Resource Management, Finance, Economics, Applied Linguistics, Public Administration, Computer Science, Electrical Engineering, & Manufacturing Engineering.

The director of the Polytechnic; Dr. Y.C. Cheng, will be the keynote speaker. The event is on December 7. If you are interested in discussing these teaching and research opportunities in Hong Kong, come and meet Dr. Cheng. The webinar is on Room 12. Dr. Cheng is particularly eager to meet students from Hong Kong and the People's Republic of China, but other students are welcome to attend. He may have time to interview individual candidates on the evening of December 12.

Sponsored by the Office of Career Services

FACULTY POSITIONS AT THE CITY POLYTECHNIC OF HONG KONG

The City Polytechnic of Hong Kong, the fastest growing degree-granting institution in Hong Kong, is looking for candidates for a number of faculty positions. The positions to be filled are in the following departments and disciplines: Accountancy, Applied Mathematics, Management Information Systems, International Business, Human Resource Management, Finance, Economics, Applied Linguistics, Public Administration, Computer Science, Electrical Engineering, & Manufacturing Engineering.

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Sponsored by the Office of Career Services
By John Thompson

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.
Interleaf Inc. develops software packages for creating text and graphics, for gathering data and putting it into professional form automatically, for managing the flow of information and documents, and for distributing documents on paper electronically. Interleaf is seeking a full-time, temporary intern or co-op student to work for approximately 6 months beginning in January, 1991, in our Workstation Engineering Group. The student must have C programming experience and/or extensive coursework using C. The assignment will involve porting filters to the Mac Ilfx environment. Macintosh knowledge is a plus as is MPW experience. $500 depends on experience. Beginning in January, 1991, Interleaf will be located in Waltham, MA, convenient to Rte. 128 and the Mass. Turnpike, and accessible by the MBTA via shuttle service. If you are interested in this project, please send your resume to Interleaf Staffing, Attn: RM, 25 First Street, Cambridge, MA 02141.

CHANUKAH MENORAH LIGHTING
M.I.T.'s Lobby 7
Wednesday, December 12
4:30 p.m.
HOLIDAY GIFT IDEAS FROM THE MIT PRESS

Books – lasting gifts

IMPERILED PLANET
by Edward Goldsmith, et. al.

Framed by the notion of a living, perishable planet and illustrated by informative diagrams and maps, this provocative environmental primer presents a wide range of ecosystems, examines what’s being done to save them... and what remains to be done.

250 full color illus., $29.95 before 12/31
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THE AGE OF INTELLIGENT MACHINES
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Visionary computer scientist Raymond Kurzweil probes the past, present and future of artificial intelligence from its philosophical and mathematical roots through today’s moving frontier to tantalizing glimpses of 21st century machines.

283 illus., 61 color, $29.95 before 12/31
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This book is destined to become the standard reference on Bauhaus photography. Its seven hundred duotone illustrations showcase the rich collection of the Bauhaus-Archiv. In addition, there are excellent essays on the Bauhaus photographic legacy.

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A mystery novel about Artificial Intelligence. "Tzonis’ book is clearly a good detective novel full of tantalizing references to and synopses of many important ideas about intelligence, computers, mind, epistemology, reasoning, and the like. It is charmingly, even sparkingly, written." — Douglas Hofstadter

Limited number of autographed copies available
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THE ATHEIST AND THE HOLY CITY
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Cornell pierces men's fencing team

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(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 osogogosai (New Year's).

The team will pause briefly for the holidays and will resume their schedule on Jan. 17, when they will face Duke University, North Carolina State, Johns Hopkins, Temple, Ohio State, and Navy. Sara Ontiveros '93 is manager of the women's fencing team.

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

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The foundations of creativity.

The purpose of education is to develop basic thinking skills and to obtain a basic 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 "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 the 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 add to 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 environments 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 intentionally 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 Mttrain, Framingham, MA 01701-9160.

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Bose
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 hurdles and the high jump, and got two firsts from junior co-captain John-Paul Clarke and three from junior Kevin Scannell in the 55 and 200 races, matching the team's other co-captain, Maury Bonner. As expected, Bonner won both races, but Danno recorded good times for the second placers, 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. Danno 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 '95 (8.46) to the sweep. MIT also swept the high jump, with all three jumpers clearing 6'-2". Garrett Moose '91 took first with the lowest missed, followed by Tom Washington '92 and James Kirtley '94.

Moose also picked up seconds in the long jump (21'-9¾") and triple jump (48'-4¾") as well as third place in the pole vault (12'-6¾"). The 400 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 meekness, but Holy Cross' Joe Cunck pulled up on Claman and passed him with 10 meters to go. Pert 'Buns' 92 broke nine minutes in the 3000 meters for the second race in a row, coming in second, in 8:29.78. 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, 65'-9¾"; 2, Cunck, HC, 50'-10¾"; 3, Hathaway, HC, 47'-11¾"; 4, Fleming, MIT, 42'-7½".

High jump - 1, Moose, MIT, 6'-2"; 2, Washington, MIT, 5'-7½"; 3, Peters, MIT, 5'-6½".

Pole vault - 1, McMahon, HC, 13'-6"; 2, Robinson, HC, 13'-0½"; 3, Cross, HC, 12'-8½".

Long jump - 1, Bonner, HC, 21'-1½"; 2, O'Brien, MIT, 21'-1½"; 3, Robinson, HC, 20'-1½"; 4, Tonskaya, MIT, 20'-6½".

Triple jump - 1, Scannell, HC, 42'-7½"; 2, Danno, MIT, 40'-8½"; 3, McMahon, HC, 39'-6½".

Shot put - 1, Clarke, MIT, 64'-11¾"; 2, Cunck, HC, 56'-7¼"; 3, Fleming, MIT, 51'-1½"; 4, Lessig, HC, 39'-15¾".

56 meters - 1, Bonner, HC, 6.50; 2, Danno, MIT, 6.69; 3, Cross, HC, 6.94; 4, Cummings, HC, 7.06.

80 meters - 1, O'Brien, HC, 8.82; 2, Danno, MIT, 8.86; 3, Cross, HC, 9.04; 4, Whitehead, HC, 9.14.

200 meters - 1, Bonner, HC, 22'-8½"; 2, Danno, MIT, 22'-3½"; 3, Scannell, MIT, 24'-2"; 4, Chi, MIT, 24'-4½".

400 meters - 1, Cross, HC, 52'-4½"; 2, Danno, MIT, 51'-3½"; 3, Cross, HC, 50'-1½"; 4, O'Brien, HC, 50'-6½".

600 meters - 1, Danno, MIT, 1:36.6; 2, Cross, HC, 1:36.9; 3, Zebrak, HC, 1:38.0; 4, O'Brien, HC, 1:39.0.

800 meters - 1, Cross, HC, 2:00.5; 2, O'Brien, HC, 2:02.0; 3, Williams, HC, 2:02.6; 4, Liu, HC, 2:04.6.

1500 meters - 1, Trotter, HC, 4:17.9; 2, O'Brien, HC, 4:17.9; 3, Chiang, MIT, 4:19.2; 4, Williams, HC, 4:24.2.

5,000 meters - 1, Trotter, HC, 15:33.3; 2, Cross, HC, 15:34.5; 3, Cross, HC, 15:35.3; 4, Zebrak, HC, 15:37.2.

1 mile - 1, Cross, HC, 4:29.2; 2, O'Brien, HC, 4:30.1; 3, Williams, HC, 4:33.4; 4, Zebrak, HC, 4:35.9.

3,000 meters relay - 1, HC, 8:57.10; 2, MIT, 8:58.70; 3, HC, 9:00.14; 4, Cross, HC, 9:02.70.

1,500 meters relay - 1, HC, 3:36.15; 2, HC, 3:36.15; 3, MIT, 3:37.50.

Women's fencing defeats Cornell

By Sara Osleroso

The women's fencing team chalked up another one in the win column last Saturday when they triumphed over visiting Cornell University, 10-6. Even though the 22 seconds at the end of the first round cast doubtful eye at the men's opening, the Lady Blades were able to turn it all around, 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 Alice Chang G with three wins, Sara Osleroso '93 with two, and Heather Klaubert '94 with one. The men's team lost to Cornell, 18-9, narrowly losing foil and epee, 3-4 each, and losing sabre, 8-1. The one sabre victory came from Iroshna Mark Huest '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)

Women's fencing defeats Cornell

Upcoming Home Events

Saturday, December 15
1:30 Indoor Track vs. MIT Alumni

ATTENTION INTERNATIONAL STUDENTS

If you plan to travel outside of the United States, please remember to stop by the International Student Office, 5-106. You need to have your I-20 or IAP-66 signed on the back by one of the International Student Advisors and pick up the appropriate travel handouts. If your I-20 or IAP-66 has already been signed this semester, you do not need another signature.

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!