Shuttle explodes moments after launch
MIT grad McNair among seven presumed dead

By the Tech staff

Ronald E. McNair PhD '76 was one of seven astronauts who died when the space shuttle Challenger exploded minutes after its launch from Florida's Kennedy Space Center yesterday morning.

The crew included Air Force Maj. Michael J. Smith, 27, of Cockeysville, Md.; Judith A. Resnik, mission specialist; McNair, mission specialist; Gregory B. Jarvis, payload specialist; Air Force Col. Ellison S. Onizuka, mission specialist; and Christa McAuliffe, payload specialist.

NASA said the Challenger had exploded a few seconds after lift-off, but did not launch any more space shuttles until it determines the cause of the explosion.

NASA will probe for a good explanation of what caused Challenger to explode, Binsack said. Once NASA has identified the source of the explosion, it will search for a way to ensure that such an incident does not happen again.

"No one in their right mind would think the seven of us would risk the space program without analyzing the source of the problems and with very good hypothesis of what happened," Binsack said.

NASA had planned 15 shuttle missions for this year. It will probably cancel all of the missions in the next two months, Binsack said.

The group which proposed the revisions included Neil Moser; Finley R. Shapiro G and Associate Professor of French Isabelle de Courtivron, members of the Committee on Student Affairs; and Campus Activities Adviser Barbara M. Fiehnas; and Dean for Student Affairs Shirley M. McBay.

The present policy, created by the Office of the Dean for Student Affairs in August, 1984, provided for a committee to screen all x-rated or unrated sexually explicit films prior to public showing on campus.

Proposed changes

The advisory committee recommended several revisions.

Composition: The statement allows the screening committee to make a final decision on inclusion of student groups such as the Lecture Series Committee and (2) mandating equal representation of men and women.

The group has consisted of three LSC members, three other students, three faculty members, and three staff members.

There would no longer be any positions reserved for LSC members.

Inside

Does Paul Gray listen to you? Page 2.
The crystalline song of the ice princess. Page 3.
Trackers get sweet revenge after three years. Page 22.
By Jeffrey C. Genow

“Students aren’t taken very seriously by administration and faculty” in policy considerations, according to Undergraduate Association President Bryan R. Moser ’87.

Moser’s remark arose in a seminar on student participation in setting university policy which was sponsored by MIT Student Pugwash and the Program in Science, Technology, and Society.

Students lobbied the hands of the four ad hoc committees on educational reform (Humanities and Social Sciences; Engineering; Integrated Studies; and Science) for six months before they agreed to accept student members, Moser said.

Janine Neil G. president of the Graduate Student Council (GSC), said that when she requested graduate student representation on the educational reform committees, she typically met the response: “Why should a graduate student be interested in this? Don’t they have better things to do with their time?”

Some MIT administrators believe that students are unable and unwilling to contribute to the work of policy committees, said Robbs Wagner G., a member of the MIT Student Pugwash.

“Students are on these committees only because students have insisted that they have a role and a place in setting university policy,” she said.

Students often believe their views have little influence on Institute policy, Wagner said. The administration then interprets the resulting silence as an indication of apathy, she continued.

Students can influence MIT policy despite these obstacles, Wagner stressed. All four ad hoc committees, including the Commission on Engineering Undergraduate Education, will have student seats because of student input, she said.

Nell offered several channels available to students for input including: GSC committees, membership on Institute and faculty committees, talking to the MIT deans, writing letters to the editor of The Tech, and talking to students with speaking privileges at faculty meetings, such as the UA and GSC presidents.

Wagner added that students can ask professors to write about student views in the mailing sent prior to each faculty meeting.

Carolyn Lee G. agreed that students should write letters to The Tech concerning university policy. “If you have something to say that is provocative, there will be replies. Instead of having one lone voice, you’ve created an issue,” she explained.

A seminar will be offered this spring for students interested in academic reform at MIT, Nell said. The seminar, STS 508 Student Perspectives on Educational Policy and Reform, will critique the work of the current educational policy committee, he said.

Students call MIT unreceptive

By Donald Varona

In Institute Professor Franco Modigliani, winner of the 1985 Nobel Prize in economics and a self-described “reasonable economist,” suggested last Wednesday that an immediate federal budget cut would be a preferable solution to the US federal budget deficit.

A budget cut would be preferable to an increase in taxes, Modigliani claimed, and an immediate reduction would be better than future cuts as proposed by the Gramm-Rudman legislation.

Modigliani opened with a short review of recent economic history and the United States and his views on its economic policies, followed by commentary on the budget and the trade deficits, on inflation and the strength of the dollar on the foreign currency markets.

The enthusiastic 69-year-old professor explained to an almost full house the necessity of unemployment in slowing down inflation. “There are basically two ways to break the inflation spiral: reduce wages and produce a slow but more costly recovery, or a brute force increase in unemployment which is more painful but has a quicker and more energetic comeback.”

This “brute force increase in unemployment” occurred during the first years of the Reagan administration to stop the inflationary effects that lingered from the oil crises, he said. This was more effective and much less damaging than the price-fixing which occurred during the Nixon years, he explained.

The existence of the debt is normal, he said; after every war the United States has incurred a deficit. ‘There are basically two ways to break the inflation spiral: reduce wages and produce a slow but more costly recovery, or a brute force increase in unemployment which is more painful but has a quicker and more energetic comeback.’

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news roundup

Solar System

Uranus moon puzzles scientists — Miranda, the closest to Uranus of its five major moons, appears to combine the strangest geological features of planets in the solar system, according to pictures taken in the Voyager flyby photographs. Scientists could not conclude whether its features were the result of internal or external forces. Other findings included evidence of an aurora in the Uranian atmosphere, and a storm that seemed to have been caused by a large object striking the planet's surface. The presence of Miranda suggests that the planet was subjected to gravitational forces from an object that eventually collided with the planet, leaving behind a trail of debris that formed Miranda and other moons.

World

Jordan meets with PLO — Jordan's King Hussein met with Palestinian Liberation Organization leader Yasser Arafat yesterday to discuss peace in the Middle East. The talks centered on two United Nations resolutions that call for Israeli withdrawal from Arab territories occupied since 1967 and 1973. The United States has said it will not talk to the PLO unless it recognizes the resolutions, a condition that Arafat has rejected.

Ugandan rebels expand control — Rebel leaders reportedly consolidated control of Uganda, seizing the capital, Kampala. The rebels announced that they will try to form a broadly-based government soon.

Yemen fighting continues — Arab diplomats said that fighting between Saudi Arabia and Yemen would not halt the United States' military aid to the kingdom.

Investment Banking Opportunities at First Boston

The First Boston Corporation, a special bracket investment banking firm headquartered in New York, will be receiving a M.I.T. for its financial analyst program. Opportunities exist in New York and regional offices.

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A MESSAGE TO M.I.T. STUDENTS
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If you are a Coop member and a degree candidate at M.I.T., are interested in serving as a Student Director of the Harvard Cooperative Society for the next academic year and are an undergraduate student, contact Lulu Tsao, Co-Chairperson of the M.I.T. UA and regional offices.

The Coop’s Board of Directors has a total of 23 members. 11 of which are students from M.I.T. and Harvard. 11 are members of the family and staff of M.I.T. and Harvard, plus the President of the Society. The Board oversees the operation of the Coop and sets policy for the Coop’s operation. The Board meets monthly during the academic year.
opinion

Guest Column/Peter H. Diamond

Pioneers lived for space

Yesterday seven pioneers gave the world its astronauts, and many firstfruits of the past, in pursuit of personal and ideal goals. Their dreams, shared by many in the MIT community, was to bring about a space program open to everyone, where the full benefits of space can be realigned for all mankind and human culture is finally transported from the cradle of Earth out to the stars.

At this time, more than ever before, our efforts in space must continue boldly. We can pay our astronauts no better tribute than to carry out the dreams for which they died. All seven astronauts understood the sobering danger they faced, yet each freely volunteered and would do so again.

In the wake of this tragedy, I fear that some will rally around the disaster like viruses, pointing to the space program's cost and inherent dangers, demanding that we slow down or even cancel activities. It is true that the vehicles do cost over a billion dollars apiece, and do ride on the most advanced computer-controlled explosion to date; but it is also true that we accept the costs and risks because of the vast benefits which we believe outweigh them. The space program is still in its infancy, barely 25 years old. As with every epic adventure, our journey into space is bound to encounter hardships.

As Americans, we owe the very existence of our country to the thousands of brave pioneers who died in the 17th and 18th centuries, struggling to colonize a new land by laying solidly settled, and must persevere. This tragedy must not become the downfall of our space program, but the event which forces our community to make the exploration and development of space a reality.

(Edward's note: Peter Diamandis G is the founding chairman of Students for the Exploration and Development of Space, an international organization.)

Column/Alan Szarawarski

Reform will be difficult but possible

Before every semester I look back on the past term and vow to break my bad habits. Well-rested and optimistic, I resolve that in the coming term I will stop procrastinating, finish every assignment, and stay alert in class. My actual performance, though, never quite equals my expectations.

Is our current university graduate curriculum reform at MIT to follow a similar pattern for general education goals that are not achieved. Political science have identified a number of factors that hinder the design and implementation of new policies. Three of these are particularly relevant to MIT's struggle to reform undergraduate education.

One factor complicating policy-making is the conflict between different goals. Students at MIT receive superior education, qualifying them for top graduate schools and exciting employment. Maintaining this technical excellence is universally cited as a goal of curriculum reform. But technical excellence is not enough. Technical professionals require more than their problem-solving skills that form the bulk of MIT education. Broadening the education of MIT students is the second goal of curriculum reform. Given MIT's legendary work load, devoting more time to non-technical fields conflicts with the practice of packing in as much technical training as possible into four years. Broadening the curriculum while maintaining technical superiority is possible, but it will require making trade-offs.

Policies, like trade-offs, market makers tend to maintain the status quo. Without strong commitment to reform, beneficial changes will not be made. The second factor that complicates the implementation of new policies is the reluctance of change. Committees and many more administrators are currently working MIT education. The Institute will have to accommodate students in over twenty different majors. Integrating everyone's views into a coherent policy will be a long and difficult process.

The third factor complicating the implementation of new policies is the inherent conflict between different goals. Students at MIT will have an easier job than those that transplanted from the cradle of liberal arts. Students faced an easier job than those that were transplanted from the cradle of engineering. MIT students is the second goal of curriculum reform. But technical excellence is not enough. Technical professionals require more than their problem-solving skills that form the bulk of MIT education. Broadening the education of MIT students is the second goal of curriculum reform. Given MIT's legendary work load, devoting more time to non-technical fields conflicts with the practice of packing in as much technical training as possible into four years. Broadening the curriculum while maintaining technical superiority is possible, but it will require making trade-offs.

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Graduate housing demands attention

In the Editor:

We, as graduate students, are very pleased to have The Tech taking an interest in graduate student housing problems and in graduate student concerns in general. In this letter, however, we would like to clarify some comments attributed to us in an earlier article ("Brown addresses lack of MIT graduate housing," Jan. 22).

Our main concern in being involved with the committee on graduate housing, a point we feel was missed in the article, involves not only making the system better for graduate students overall but addressing the specific problem of housing for incoming graduate students. This fall the university accepted over 1200 new graduate students but only provided housing for less than 20 percent of them! The remainder were forced to either spend much money in making a special trip to MIT to try and find housing in a vastly over-priced and overcrowded Boston market, or, especially in the case of international students, were forced to just show up and try to find accommodations the week or two before school started while staying at hotels and such at exorbitant prices.

Conversely, as was so interestingly pointed out in another article in the same Tech issue, ALL undergraduates are GUARANTEED at least eight terms of housing by the university. This doesn't seem very fair considering the university derives much of its prestige from the research that graduate students perform. We are not favoring a specific solution to this problem, such as a two-year tenure as erroneously reported in The Tech, but ANY solution which would alleviate this abysmal situation. These solutions could involve some sort of financial realignment, a cap on the number of incoming graduate students, a revision of the lottery system, or, in the most advantageous situation, NEW graduate housing. We think that the university should have a responsibility to its graduate students, especially new graduate students, and we are working hard to make them realize this obligation.

James J. Hickman
Alison Burgess

The Right Turn.

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Council fears uranium theft

(Continued from page 1)

arrangements required by the Nuclear Regulatory Commission (NRC), he said. The Council has the right to ensure that MIT takes sufficient safety precautions, he said.

"Cambridge has always been interested in the safety of the research reactor," Clark explained. "People have been brought up to be concerned about nuclear reactors, but we are concerned that the reactor will not cause a safety problem to the general public."

An accident-caused leak of radioactive material would be extremely unlikely to spread beyond the reactor building, he indicated.

O'Connor explained, however, that the committee is more concerned with the possibility of theft or sabotage to the reactor rather than the safe operation of the reactor. "The real issue is the physical security of the reactor," he said.

Sullivan questioned whether the reactor has adequate systems to stop a determined terrorist.

"If a terrorist were to strike somewhere in this area, the nuclear fuel inside the reactor would be a good place to start," Sullivan proposed in the November 1985 Boston Magazine. "Right now, if somebody wanted to drive a truck or tank or a bomb up to the reactor, what's to stop them?"

The building containing the reactor is protected by a two-foot wall of steel-reinforced concrete, according to Clark. In addition, the core of the reactor, the unit in which nuclear reactions take place, is further surrounded by a five-foot concrete enclosure, Clark said.

"The fuel could not get into the building with a bomb, that would damage the wall, but that's about it," Clark said. "Radioactive material wouldn't escape."

Critics concerned with HEU theft

Hirsch, director of the Adlai Stevenson Program on Nuclear Policy at the University of California, claimed that HEU stored at university research reactors is particularly vulnerable to theft.

Campus police are trained for routine patrol situations, not for "preventing theft of material that can be used to make nuclear weapons," he told Boston Magazine.

The MIT Campus Police maintain 24-hour surveillance of the facility with armed patrols conducting periodic checks on the reactor, Clark said. Access to the facility is limited to people participating in an experiment and those involved with the reactor's maintenance and operation, he added. All other visitors must be escorted, he continued.

MIT police officers responsible for patrolling the reactor receive additional training, according to MIT police officer Ted Lewis. The training, which is jointly designed by reactor officials and the MIT police chief, mainly focuses on the safe handling of radioactive material, he added.

Could terrorists build bomb?

Building a nuclear weapon requires some between 16 to 20 kilograms of HEU, depending on the level of uranium enrichment, according to Bernard T. Feld, professor of physics.

The MIT reactor is permitted to store up to 29 kilograms of HEU, according to Clark. But most of the HEU fuel is radioactive and therefore difficult to steal.

"All but 1.5 kilos [of uranium] are radioactive," Clark explained. "So the fuel's mostly self-protecting."

Feld agreed that handling radioactive fuel directly out of the reactor would most likely be far too dangerous for even a determined terrorist.

"When such a fuel is available, we would be glad to use it," Clark said. "It would be an expensive proposition, but we would do it if required."
Faculty not restricted under proposed policy

(Continued from page 1)

been lasted, three undergraduates and three graduate students would serve on the committee. The committee would be divided equally between women and men.

The committee has not approved a sexually explicit film since last spring.

Guidelines: The revised policy would specifically allow the showing of sexually explicit films by faculty members in part of a class or as an educational activity. The current policy does not address these circumstances.

The statement strips the “Repsita guidelines” for sex in reviewing films, which are used by last year’s committee. These guidelines call for society and a positive view of sexuality in films. The guidelines also state that the films should not objectify sexuality and should equally reflect the viewpoints of men and women.

The screening committee has been using these guidelines, so the new statement is not a change, said Professor John Hildebrand, former screening committee chairman.

Admission fee: The statement explicitly states that an admission fee may be charged for unapproved films. Some of the members of the screening committee felt that an admissions fee should not be allowed for unapproved films.

References to LSC: Unlike the current policy, the new policy would avoid specific references to LSC as a group planning to show a sexually explicit film.

Present restrictions: Currently, films that are not approved by the committee are subject to these conditions:

• The film cannot be shown during Orientation or Registration Day of either term.
• The film cannot be shown in Kresge Auditorium.
• Notice of the showing must be given to the Dean’s Office at least two weeks in advance.
• The group showing the film must make arrangements to ensure “suitable conduct” during the showing of the film.
• The group showing the film must show “good taste” in the advertising of the film.

The committee has not responded to the request to change the current policy, the new policy would serve on the committee.

John H. Sununu 1961
Governor of New Hampshire

After completing his undergraduate and graduate work at MIT, Governor Sununu served as an educator, engineer, small businessman, and community leader before assuming his state’s highest office.

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Tragedy affects NASA plans

(Continued from page 1)

leagues crowded around a small television set when the explosion occurred and watched the story unfold. Later, most went back to work but continued to listen to the television. "I don't think it was getting done," Sarver said.

"If you're an engineer, you know there's always a chance that an accident can happen. You know deep down that it's possible. There is a deep sadness because there's not much you can do about it. You know everything possible was done." He said he believed NASA has done a good job in preventing accidents.

The Challenger accident could mar what at first appeared to be a promising year in space exploration, Sarver said. NASA planned to launch a space telescope this year, which might enable scientists to see the edge of the universe. NASA also planned to use some space shuttle missions to observe Halley's Comet. In what he called "pure speculation," Sarver said the accident might adversely affect NASA's manned space station project. NASA might also limit the number of civilians on the shuttle crew.

The public's perception of the space program as infallible would probably be moderated to a more realistic view, Sarver said.

MIT experiment was called off

MIT professors involved with one of the experiments on Challenger, Assistant Professor Robert V. Koenen of the Department of Aeronautics and Astronautics said its goal was to look at tissue development in chicken embryos at microgravity. The project was to be a joint effort by scientists at MIT, the Tufts Medical Center and Purdue University.

The MIT scientists were to examine the effects of weightlessness on a vascular system in animals, according to Peter Diamandis G., founder of the Students for the Exploration and Development of Space.

Kennedy Fried Chicken, which is interested in poultry products raised in space, is partially subsidizing the experiment, providing $50,000 of its $2 million budget.

Sawyer Modigliani, a member of the CSR technical research staff, said Challenger had been scheduled to launch a communication satellite during the mission. The satellite would have completed a space communications network, allowing space craft to maintain "an almost constant contact" with Earth, she said.

Memorial service

Rabbi Daniel Schwartz said that chaplains would hold prayer, meditation, counseling and a brief memorial service today at noon in the MIT Chapel.

(Continued from page 2)

TALK TO DRAPER

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The Charles Stark Draper Laboratory, Inc.
Reagan mourns loss of the crew

"Pioneers. They were the members of the United States space program who wished to serve and they did. They had a hunger to explore the universe and discover its truths. They genuinely believed, as one of them said, "Give me a challenge and I'll meet it with joy." They had a special grace, that special spirit that is part of being brave and they had that special grace. And I want to say something about you so very much.

We mourn seven heroes: Michael J. Smith, Dick Scobee, Judith Resnik, Ronald McNair, Ellison Onizuka, Gregory Jarvis, and Christa McAuliffe.

We mourn their loss as a national loss. It's a national loss. We mourn them, and we feel the loss and are thinking about you so very much.

Your loved ones were daring and brave and they had that special grace, that special spirit that is part of being brave and they said, "Give me a challenge and I'll meet it with joy." They had a hunger to explore the universe, and discover its truths. They were willing to serve and they died. They served all of us.

We have space and we wonder in this century. It is hard to dazzle us. But for 25 years the United States space program has been doing just that. We have grown used to the idea of space, and perhaps we forget that we have only just begun. We are still pioneers. They, the members of the Challenger crew, were pioneers.

And I want to say something to the schoolchildren of America who were watching the live coverage of the shuttle's takeoff. I know it is hard to understand, but sometimes painful things like this happen. It is all part of a process of exploration and discovery. It is all part of taking a chance to expand man's horizons.

The future doesn't belong to the faint-hearted. It belongs to the brave. The Challenger crew was putting us into the future, and we will continue to follow it. I have always had great faith in and respect for our space program, and what happened today does nothing to diminish it. We do not hide our space program. We do not keep secrets and cover things up. We do it all up front and in public. That's the way freedom is, and we wouldn't change it for a minute.

We will continue our Fruit in space. There will be more shuttle flights, more shuttle crews, and yes, more volunteers, more civilians, more teachers in space. Nothing ends here. Our hopes and our journeys continue.

I want to add that I wish I could talk to every man and woman who works for NASA and who worked on this mission and tell them, "Your dedication and professionalism have moved and impressed us for decades and we know of your anguish. We share it."

There is a coincidence today. On this day 390 years ago the great explorer Sir Francis Drake died aboard ship off the coast of Panama. In his lifetime, the great frontiers were the oceans, and a historian later said, "He lived to see the sea, died on it, and was buried in it." And today we can say of the Challenger crew, their dedication was like Drake's — complete.

The crew of the space shuttle Challenger honored us by the manner in which they lived their lives. We will never forget them, nor the last time we saw them, this morning as they prepared for their journey and waved goodbye and slipped the surly bonds of earth to touch the face of God.

Thank you.
(Continued from page 12)

whether Reese's utterance was touchingly human or rapturously divine.

The chorus was effectively-directed, adding a touch of questioning softness as Turandot enters. Ping, Pong and Pong were vividly sung by James Rensink, Steven Schnurman and Noel Velasco. Ming Cho Lee's scenery was magnificent, as were the costumes, wigs and ceremonial props supplied by the Central Opera Theatre of Beijing. Caldwell's staging was compelling, but the drama came, above all, through the music. Under Caldwell's command, the orchestra hurled powerful psychological weaponry, yet none were more virulent than the soft fragrance drawn continuously from the score. Here was a production where on a superficial level darkness mingled ambivalently with light, but where on a deeper level sweetness prevailed. There was not a phrase which lacked in eloquence, a turn that did not display renewed beauty.

Sarah Caldwell has taken musical art to its highest form.

John Morley's Opera Theater lives up to its name: its performers can act as well as they can sing. And they do both very well. This combination proved to be a winning recipe for a riotous evening of entertainment from Rossini's Signor Bruschino and Donizetti's Viva La Mamma! The plot of Signor Bruschino is almost too absurd to explain, but basically it turns on mistaken identity: Florville, son of Gaudenzio's worst enemy, pretends to be the son of Signor Bruschino to gain the hand of Gaudenzio's ward, Sofia (who is promised to the real Bruschino Jr.). Hilarious confusion results when Signor Bruschino turns up and the imposter still insists that he is Bruschino's son . . .

Edward Bryant — in the role of Florville — showed himself to be a lyric tenor with considerable promise. Leslie Shull sang Sofia nicely, too, investing the role with some of the pert cunning of Rossini's Rosina (The Barber of Seville). Richard Wordlich was wonderfully funny as Filberto, the innkeeper, while David Murray's amiable pose as Gaudenzio was curiously funny. The staging was precise, timed to get the most laughs out of every minute. The set by Michael Downs was exquisite. Orchestral playing under Morley was lively. A blast.

But after intermission the Conservatory entertainment left orbit altogether. Donizetti's Viva La Mamma is a piece of absurd froth involving the rivalry between the prima donna and seconda donna, the former's doting father and the latter's highly-strung mother (sung in drag) staging warfare in parallel. While everyone performed to a high standard, CeCilia Chaisson as Corilla, the gorilla of a prima donna, and Robert Maser as Mammas Agas stole the most laughs. Chaisson's achievement was in piking fun at the wicked stereotype of the first lady she so brilliantly developed, while maintaining a high standard of singing that provided a central attraction of the evening. She touched on all the most embarrassing of vocal mannerisms, outrageous coquettes, enactful gestures, but did so from a deep-rooted base of professionalism, a free display of vocal dexterity and control, and a persuasive sense of the drama of the moment.

Robert Maser's tongue-in-check humor was numbingly funny. The determined and demanding drag-queen Mammas dominated the stage, strutting ruthlessly, triumphing in the upper register of the imagination with his/her singing. Like Chaisson, Maser's skill lay in his discipline which enabled him to make his performance as effective as it was enjoyable.

The clarity of dictions by everyone in the cast was a notable characteristic of both opera performances, and they stood as a partial problem in so many professional productions, it was good to see singers in training with such fresh and crisp delivery. It made the evening more pleasurable for everybody.

The first three works—a Corilla on centre-stage, Vivaldi oboe concertos and Bach harpsichord concertos — were few amiable enough, but lacked the fire we had previously witnessed. After the intermission we heard Vivaldi's Four Seasons, and there were some real special moments. The Allegro of the trio concertos, "Spring," brought a profused violin solo from soloist Simon Standage, supported by an emotionally disturbant musical quality to the ensemble. The Adagio of the second concertos contained equally marvellous solo violin work and led to an exciting Presto. The opening of the final concerto, "Winter," was intensified by the matching of an almost-offbeat devi-lishly carefree Standish with a carefully balanced tutti. The Largo of this concerto had some wonderful passages, and the final movement did not lack in vitality.

As a whole, though, the performance was mixed. Some of Standage's phrasing was eccentric to say the least, especially a "Assum." And there were periods when the ensemble lacked the close cohesion for which they have become so well-known. Moments of genius did shine through, but there was too much of the ordinariness to vintage it make it worthwhile getting drunk on it.

Jonathan Richards
artsartsartsarts

College — modern music gives earscho

College, with guest conductor Gunther Schuller. Longy School of Music, January 25.

Monday night I went to a concert to celebrate the 60th birthday of Gunther Schuller, consisting entirely of music composed since 1981.

This morning I have earache. I have really tried to give this music the benefit of every doubt, but I have to admit I could not appreciate it as most of the audience seemed to. Either something is wrong with me or something is wrong with "new music," probably both.

The problem is simply that there has not been enough time for the good stuff to catch up with the stuff before. But College director John Harbison calls these new works "the durable old music of the future," and I suspect that the rest of the new music sounds the same. Is it second-hand? No. It's worse. After all, no one can appreciate it as most of the audience probably couldn't, either.

Chinese music and dance uplifting, educational!

(1:00) Introduction to Chinese Music, Song, and Dance, presented by the MIT Council of China Student Association, Kresge Auditorium, January 25.

A jovial, informal feeling pervaded Kresge on Saturday as the MIT community enjoyed a celebration of traditional Chinese dance and music. The presentation was entirely new and exciting. From the beginning, the Chinese Chamber Orchestra, composed of eight traditional instrumentalists, captivated the audience with two atmospheric numbers, Spring and Spring on the Moonlight River. The orchestra created a mood of tranquility and serenity, setting the stage for the performance that followed.

As the orchestra played, the Chinese Chamber Ensemble, consisting of two vocalists and a percussionist, took center stage. The first piece performed was "The Dragon Dance," a traditional Chinese dance that symbolizes the power and strength of the Chinese people. The performers skillfully executed the intricate movements and gestures of the dance, capturing the essence of the Chinese cultural heritage.

Following the Dragon Dance, the ensemble performed "The Fan Dance" and "The Ribbon Dance." These dances were accompanied by elegant Chinese instruments, such as the erhu and the pipa. The musicians demonstrated their mastery of these instruments, creating a harmonious blend of music and dance.

Throughout the performance, the audience was treated to a variety of traditional Chinese dances, each with its own unique story and symbolism. The music was vibrant and dynamic, with the use of percussion adding depth and complexity to the overall experience. The vibrant colors and intricate patterns of the costumes further enhanced the visual appeal of the performance.

The ensemble's presentation was a testament to the rich cultural heritage of China. The traditional Chinese music and dance not only captivated the audience but also provided an educational experience, allowing the viewers to gain a deeper understanding of Chinese traditions. The performance was a true celebration of cultural diversity, highlighting the beauty and vitality of Chinese art forms.

The MIT Council of China Student Association is to be commended for organizing such an enriching event. The presentation of Chinese music and dance not only brought the audience closer to the rich cultural legacy of China but also served as a reminder of the importance of preserving and sharing traditional artistic expressions.

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Thursday, January 30, 1986
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Building 4 Room 163
Turandot, Opera Company of Boston conducted by Sarah Caldwell. The Opera House, January 21; Boston's Signor Bruschino and Donzelli's Viva La Mamma!, The Opera Theater of the Boston and New England Conservatories, conducted by John Moriarty; Boston Conservatory Auditorium, January 24; The English Concert conducted by Trevor Pinckow, Jordan Hall, January 23.

The proscription separating audience from action dissolves when Sarah Caldwell is in the pit. Her Turandot transports the opera-goer to new levels of absorption and understanding. Experiencing the production's shining originality and being caught up in its deep humanity is a refreshing and vulnerable individual that appears after the riddles are answered.

Janos Nagy brought a voice of lyricism and passion to the part of Calaf. In his clear, direct singing we saw a determination to try the test and, in his first meeting with Turandot, a will to win that rose to meet her cold reproval in a thrilling top C.

In Nessun Dorma we felt Calaf's transcendent hope, Nagy's transcending singing providing a focus that drew our attention to and illuminated the empty loneliness of the night.

If in Puccini's opera Prince Calaf at last presents a chemistry capable of Turandot's sublimation, it is Liu who catalyzes the reaction. Liu is a slave girl who sacrifices herself for Calaf, and in so doing at last makes Turandot aware of love.

Sarah Caldwell's performance of her role can only be described as extraordinary. Her singing was immensely beautiful, but subtly colored. In Act I Liu's devotion is portrayed by tones that are sweet and heartfelt; in Act II the sweetness is sharpened as, in Tanto amore segreti, she dramatically informs Turandot that she resists the torture being inflicted on her through love. This truth was offered with a penetrating simplicity; it is hard to say

dating encounter not only with Puccini's stage of characters but also with ourselves.

Turandot, set in imperial China, tells the tale of the ice-Princess who kills those who love her, and of the Prince — Calaf — who finally melts her heart. Turandot poses three riddles for her would-be suitors, and the executioner decapitates all those who fail her test. Calaf answers correctly, winning her hand and — after a night of tension — her love.

The singing was exceptional! Eva Marton as Turandot, Noel Velasco as the Emperor and Janos Nagy as Calaf in the final scene of the Opera Company of Boston's production of Puccini's Turandot.

Eva Marton as Turandot, Noel Velasco as the Emperor and Janos Nagy as Calaf in the final scene of the Opera Company of Boston's production of Puccini's Turandot.

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Joint Spanish/Indian Dance Theatre

The Ramon de Los Reyes Spanish Dance Theatre will perform a joint concert with Sukanya/Dances of India. February 9 at 2pm and 8pm. MIT price: $8.

Tickets will be sold by the Technology Community Association, W20-450 in the Student Center, currently open Tuesdays 9-11, Wednesdays 11-12, Thursdays 12-1, Fridays 3-5 and Saturdays 1-4. At other times please leave your order and your phone number on the TCA answering machine at 253-4885. You will be called back as soon as possible.

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PRIZES WILL BE AWARDED!!
"I thought you only reviewed music," said cellist Sam Osofsky '88 after Sunday's assault on Beethoven's Symphony No. 9 by the IAP Orchestra and Chorus, which provided an opportunity for members of the MIT community to read through music they might not otherwise have the chance to perform.

Members of the MIT community — seasoned musicians and those of less experience, virtuosos and those who would like to be — got together to celebrate music, IAP style. Was the afternoon an Ode to Joy? It was a joyous occasion for the 150-odd people who came out of the woodwork to read through this taxing work. And for members of the audience who endured the pain of the inevitable slip-ups that came from lack of rehearsal and experience, there were many passages to be savored, passages of enthusiastic music-making that carried Beethoven's message.

The first three movements were utterly unrehearsed. While the Allegro ma non troppo, un poco maestoso was ragged, a Beethovenian rage developed, building into a whirlpool that provided a climactic finale to the movement. There was reason to cringe at the opening to the Molto vivace, and self-aware laughter as conductor Roland Vasquez briefly brought things to a halt for impromptu in-performance rehearsal. "Good luck," urged violinist Elana Doering G as the Beethoven machine was cranked up for action again. The beginning of the third movement was smoothly done and filled with pathos: it was solemn and moving. There were some further stops and starts and passages that would have Ludwig van turn in his grave. But the touching depth that came from the orchestra's involved concentration was telling: it made it all worthwhile.

The orchestra had briefly run over the fourth movement with Roland Vasquez when they had reported for duty at 1 pm. The chorus had previously met for preparation by Betsy Burleigh. The results were impressive. The chorus really came together, and had the cohesion to endow many passages with considerable power. The orchestra built on tensions and maintained a concerted drive. Infelicities could be forgotten in the joyful experience.

It was an Ode to Joy after all. For everyone.
Nude show document on changing culture, should not be missed

(Continued from page 1)

ties and for the sake of which man animates them. Margaret Evans Pechten shows the awkwardly seated sitter sporting a gaze of beeldervorm above her bulging belly and swollen nipples; by contrast, the courageous Self-Portrait suggests a vigorous, independent spirit in the decaying body of the eighty-year-old painter. As reflections on the dialectic of body and soul, these works have no rivals in this show.

The self-portraits of John Coplans on the same wall are more than a negation of the traditional aesthetics of the naked body; they strive to be its very inversion. Coplans photographs his aged, hairy body in statuesque poses, keenly exploiting its age-enhanced geometrical qualities. Repulsive by any established standards of beauty, these pictures exhibit a sense of defiance impossible to ignore.

But if flawless immortals no longer hold sway in the realm of the nude, the fascination which engendered them lingers on. They have simply stepped down from the lofty abode of Mount Olympus to the less detached platforms of advertisement, beauty pageants, movies and adult magazines. The simultaneous breakthroughs of certain inhibitions has exposed others. Though many of these developments involve imagery hardly classifiable as art, the exhibition includes material to document them.

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The overall coherence of the present show leaves a bit to be desired. Some things don’t fit very well — most obviously the prominent installation by the artists’ collective TORD, rather intriguing in its own right but difficult to relate to either quality nakedness or stripping. Quality varies, and there are several items which I would call merely, well, cute. But as a docu-

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I looked forward to this because the texts included some nice poems, and because I had the words in front of me. Unfortunately, it was just as wearing as the earlier song-cycle. It was also very annoying, because several innovations were clearly no more than unorthodoxy for unorthodoxy’s sake (e.g. singing into the piano, foot-stamping at odd moments, random shouts from the instrumentalists). Occasionally a melody resurfaced, and the whispered excerpt from Psalm XXII was spooky and moving. But the piece was generally nasty. One of the worst parts was the overdramatic and incredibly unmusical rendering of John Lennon’s nonsense poem “I sat belonely”.

During the intermission, Schuller received an award and a testimonial from Governor Dukakis was read, lauding Schuller for his numerous contributions as a composer, conductor, educator, etc. It felt strange, seeing all these people appreciating this guy, of whose talent I had no understanding.

I tried, I really did. But I think that a lot of modern music (by which I refer to the direct successor of classical and romantic music, played by musicians from symphony orchestras, as distinguished from rock, folk, jazz, pop, and various fusions) is too much like modern abstract art.

Don’t get me wrong, I like abstract art. But whereas you can stare at, say, a Picasso-so until it begins to make sense to you, you don’t have that option in listening to music, which is basically a linear experience. If I could somehow comprehend the whole piece at once, as the composer and (to the extent they practice) the performers do, I might appreciate it more. But I just can’t get it from a concert, and if it is actually meaningful to the ear I’m not going to listen to a record of it several times in order to understand it.

Maybe some people can “get it” just by listening. Maybe you need the right kind of training, or maybe you just have to have the right kind of brain. But I predict that this music will never be as popular as the music composed 100 and 200 years ago.

I don’t actually believe that the emperor has no clothes, I’m just saying I don’t see them, and I suspect he’s not actually wearing very much. (My wife Lisa insists that at most he’s wearing a string around his knee and a sequin in his bellybutton, but I don’t think that so many people could be victims of such a huge humbug. I’ll accept that there’s something there, but I’m baffled that I can’t appreciate it.)

All right, Arts Editor, I’ve paid my dues. May I please have some Schubert next time? I’ll settle for Stravinsky. Just give me time to get over this earache.

Ouch.
Most of the lost student files were recovered. Project Athena keeps backup tapes that are generally stored every 24 hours, so old information that was changed after the last backup tape was lost. Only a small number of people have access to the root password, which is necessary to gain access to any part of the Athena system, according to Lerman. "Unfortunately there are a fair number of people who need to know the password to fix things." Students are occasionally given access to the password, he said. "It's very difficult to make major contributions to certain areas without having special privileges," Lerman said.

"Users [Athena's operating system] has the unfortunate property that it's an all-or-nothing proposition. Either you have root privileges or you don't," Lerman explained. Other operating systems have more than one level of access.

In response to the incident, Project Athena has begun to change the root passwords more frequently. "There isn't much one can do and still be compatible with how we want to operate the system," Lerman said. There has been no recurrence of the incident.

Athena staff encourage students to make backups of their files on floppy disks; personal computers are provided in the Student Center for that purpose. Athena plans to expand the number of available personal computers. "People have to take more responsibility for their own data," Lerman said.

If the person responsible is found, MIT will prosecute because tampering with electronic data is a serious crime in Massachusetts, he claimed. "I think that within the MIT community it is viewed as very serious because it was just malicious. It wasn't a hack in the sense that it was funny. A Fiat in Lobby 10 — that's funny. This was not funny."

"As more and more information accumulates electronically as opposed to other forms, the destruction of it becomes an increasing important issue," Lerman said.

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### CAMPUS INTERVIEWS

February 5, 1986

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Athena break-in not solved

By Irene Skricki

An unidentified perpetrator compromised the security of Project Athena late last semester, destroying the files of some student users before the intruder was detected, according to Steven R. Lerman '72, director of Athena.

"Someone typed in a series of commands," Lerman said, "which essentially had the effect of creating a computer program which began systematically deleting files of users alphabetically by user name.

Athena administrators received messages on a hotline on Sunday, Oct. 20, from students reporting that their files on the Teela machine in the Student Center cluster were disappearing, he said. The staff who took the calls notified an Athena staff member, who discovered the program in the process of deleting user files.

The staff member stopped the process and recorded a variety of log files; these logs kept a record of the state of the system, and changes made to it.

Lerman immediately started an investigation after learning of the incident. Athena staff questioned student consultants who had been in the Student Center cluster in an attempt to discover who was using the system at the time, but the consultants "couldn't re-construct a list," Lerman said.

"We found out users who were logged in on nearby terminals," Lerman continued. "That's not information that's usually used for anything." The investigators contacted these users as well, to see if they could remember who was in the area. In addition, Lerman notified the Campus Police and the college's Student Consultants, who had been in the Student Center cluster during the incident. Athena staff questioned the students to make backups of their files on floppy disks; personal computers are provided in the Student Center for that purpose.

"Unfortunately there are a fair number of people who need to know the password to fix things," Lerman said. Other operating systems have more than one level of access.

In response to the incident, Project Athena has begun to change the root passwords more frequently. "There isn't much one can do and still be compatible with how we want to operate the system," Lerman said. There has been no recurrence of the incident.

Athena staff encourage students to make backups of their files on floppy disks; personal computers are provided in the Student Center for that purpose.

Athena plans to expand the number of available personal computers. "People have to take more responsibility for their own data," Lerman said.

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Rescue search reveals no trace of crew

(Continued from page 3)

...it took for the crew of the shuttle that they, the Challenger seven, were aware of the dangers. They overcame them, [and] did their jobs bravely."

Reagan said the public has grown used to the idea of space, "and perhaps we forget that we have only just begun. We still are pioneers. They, the members of the Challenger crew, were pioneers."

He told the schoolchildren who had witnessed the disaster on television: "I know it is hard to understand, but sometimes painful things like this happen. It is all part of a process of exploration and discovery."

"The future doesn't belong to the faint-hearted. It belongs to the brave. The Challenger crew was putting it into the future, and we will continue to follow it."

(Editors note: Andy Fish, Thomas T. Huang, Ben Stanger, Harold A. Stern and Earl C. Yen contributed to the research and writing of this report and Robert E. Mulcahan contributed to its writing.)

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The Space shuttle Challenger.

The ice... The fire... The flight... To be the best.

Another shuttle may be built to replace Challenger, Moore said.

Reagan eulogies crew

Reagan delivered a televised eulogy of the Challenger's crew at 5 pm. "We have never lost an astronaut in flight; we have never had a tragedy like this. And perhaps we have forgotten the courage that it took for the crew of the shuttle that they, the Challenger seven, were aware of the dangers. They overcame them, and did their jobs bravely."

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The Tech PAGE 17

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McNair stresses importance of knowing oneself

(Editors note: This interview with Ronald E. McNair PhD '76 is reprinted by permission of the Office of Career Services.)

Many of us possess talents or abilities but do not excel because we don't take the chances or act on the challenges that come our way. We need to walk over to the edge of our abilities and then move beyond that edge. We have to step past our place of comfort.

I have found that complacency does not foster self-development. You have to take the extra step, run the extra mile. From the outside, this can look difficult — even awesome. However, once you acquire the skills to perform the task, it almost seems easy. Like most things in life, it's easy if you know how.

My own success was contingent on an unyielding determination to press on. I had battles along the way — some of which I enjoyed fighting — and others that I would never choose to ride by again. One of the keys for me was to stay balanced both physically and mentally. To do this, I tried to maintain solid, lasting friendships with people who would see me through — and to maintain my body.

I first came to MIT as a junior for a year of study in physics. I found it to be very different from my home state of South Carolina and from North Carolina A&T where I was studying. It was much easier, though, when I came back later to complete my graduate work. At MIT there was tremendous exposure and opportunity for real advancement. You have to take the extra step; run the extra mile. From the outside, this can look difficult — even awe-inspiring. However, once you have acquired the skills to perform the task, it is almost easy. Like most things in life, it's easy if you know how.

Both in terms of karate as well as physics I was very fortunate to have found what I enjoy doing early in life. Finding what you like to do is an important first step towards success. Once you have found your interests you can act on the motivation within you. It is this motivation that can steer you onto a course that is right for you. Along the way, get out and take advantage of the opportunities around you. Find summer employment or meet and talk with people who can assist you on your way.

When I was a graduate student, I often felt that students — and particularly minority students — got lost in an isolated mode. I think it's tough when you try to bear all your burdens alone. We can achieve a real camaraderie among people if we allow it to happen. With such friend-
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The Legend of Fred

By Jim Bredt

DEAR READERS:

NOW ABOUT CONSIGNING UP SOME PLANE TICKETS INSTEAD!

LIZ, ATHENA AND TED, THE 23RD INCARNATION OF YAMANTAKA ARE STILL TALKING BETWEEN SETS AT THE RAT!

YOU FOLKS ARE TRYING TO GET TO CALIFORNIA, EH? I WAS GOING TO DRIVE OUT THERE THIS FRIDAY.

LIZ CAN SUDDENLY SEE HIM OVER 3,000 MILES AWAY.

ATHENA REACHES OVER AND TRAPS LIZ ON HER CHEST.

I THINK THIS GIRL IS A DOU-TER.

WITH THIS, WE CAN SAVE THE WORLD.

THINK OF THE BILLIONS OF PEOPLE WHOSE SAFETY DEPENDS ON WHAT WE DO WITH THAT STUFF.

BUT WHAT ABOUT PEACE?

THIS IS PEACE IN THE 80S, I USED TO FEEL THE SAME AS YOU ABOUT ATOM BOMBS, BUT I CAN'T ACCEPT THEIR EXISTENCE.

THAT'S EASY FOR YOU TO SAY, YOU'RE NOT A HOSTAGE LIKE ME!

OH, YOU THINK YOU'RE THE ONLY HOSTAGE AROUND HERE? DO YOU THINK THAT I CAN GO ANYWHERE I WANT?? I GAVE UP MY FREEDOM TO KEEP THE WORLD A SAFE PLACE FOR EVERYBODY ELSE!

KEEP IN TOUCH, FRED BABY! YOU'RE GOING TO BE EVEN BIGGER THAN ERANK PURDUE!

NEXT WEEK WE'RE DOING ANOTHER COMMERCIAL FOR SHEEP HEART EXTRACTORS!

I WAS PLANNING TO GO TO CALIFORNIA NEXT WEEK.

O.K., BUT I WANT TOO TO SIGN A CONTRACT.

LET ME THINK ABOUT IT.

LATER:

LET'S GET OUT OF HERE BEFORE I TURN INTO THE GRIM REAPER.

I'M STILL NOT SURE WHAT WILL HAPPEN WHEN WE GET THERE.

MEANWHILE:

PUT HIM DOWN, THIS ISN'T GETTING US ANYWHERE.

OK,

BOSS

YEAH! LET ME GO TO YOU BIG NAILABIDE PIGEON.
Men's track runs by Williams, Tufts

By Robert Zak

The men's varsity track team settled an old score Friday at Williamstown by defeating Williams College, 94-56. The Engineers' last loss to a Division III opponent was at the hands of the Tufts Jumbos in the final event of a meet three years ago. This time, the meet which seemed much closer than the final score (MIT 87, Tufts 59, Williams 33), MIT brought their season record to 4-3.

Scott Deering '89 managed only second place in the weight throw, despite coming within two feet of the MIT freshman record and setting a new personal best. He regained his composure in the following event to take first place in the shot put. Mike O'Leary '89 applied friendly pressure on his teammate by placing fourth in the weight throw and third in the shot put.

The comparatively low ceiling over the pole vault pit gave Scott Bann '89 a sensation comparable to "jumping through the roof." Bann placed third in the event, also setting a new personal best height. Co-captain Ross Dreyer '88, who won the event, and teammate Bob White '87 placed second.

Sean Schubert '88 took a few minutes before running in the 500-meter race to gain an unexpected win in the triple jump. Young Don Olh '89 also had a good day in the pit, landing in the sand 37'7" from the mark to take fourth place.

Hurley from Tufts took an early and substantial lead at the start of the 1500 meter race. Gordy Holterman '87 spent the last half of the race battling a sore hamstring, gradually reeling Hurley back in. With a lap and a half to go, Holterman caught Hurley, the two men around the backstretch of the final lap vying for position around the final curve.

In the end, Hurley held onto first -- Holterman was caught trying to pass around slower competitors the two leaders had lapped. Rod Hinman '88 was also forced to break stride in the last lap by a Williams competitor overeager for the inside lane around a curve. Hinman refused to acquiesce, and earned third place where repassing his opponent in the final straightaway.

A hurdle knocked loose by a competitor gave Sean Gavrasy '88 a cut on his knee, but did not keep him from winning the 35- meter hurdle race. Vanya Boss '88 placed second, half a second behind.

Co-captain Dan Lin '86 found some immobile stiff competition in the 400-meter race. In the two-and-a-quarter lap run, Lin found himself behind Lopez from Williams when they broke for the pole after the first lap. Lin ran stride for stride with Lopez for the rest of the race, finishing one personal best length behind with a new personal best time.

The large number of competitors and small number of lanes at the indoor track mean that many of the shorter races had to be run in sections. In the 500-meter race, it was not clear until the final stages were completed that MIT had taken first and third in this event. Marc Light '88 led from the start of his heat, winning it without opposition. Charles Parrott '89 took the early lead in his heat, but was eventually passed by Naftelian from Williams. Even so, Coach Hal- scott Taylor described Parrott's personal best time of 1:09.07 as one of the meet's best performances.

In an unexpectedly volatile race, the MIT distance squad swept first through third in the 3000-meter run. Bill Hallet '86 took the early lead in the 1600- lap event, but was eventually passed by teammate Robert Zak G, who led until the end of the first mile. Sean Kelley '99 then went into the lead and won the event. Turan Erdogan '87 traded places with runners from Williams for the first part of the race, and then overcame the competition with two laps to go to finish second. Zak maintained his position behind Erdogan to finish third.

The Engineers will get a dose of heavier competition at the Greater Boston Championships (GBCs) at Harvard this weekend. Although the MIT team is overshadowed by Division I powerhouse Harvard and Northeastern, team members look forward to the experience gained by competing against outstanding Boston area athletes. After the GBCs, MIT has two home meets scheduled before gearing up for the postseason in late February and March.

(Editor's note: Robert Zak G is a member of the men's varsity track team.)
Women gymnasts beat Coast Guard, Vermont

By Madeleine Biber
The women’s gymnastics team beat the Coast Guard Academy and a team of two gymnasts from the University of Vermont on Saturday, scoring 116.9 to Coast Guard’s 79.40 and Vermont’s 86.35.

Catherine Rocchio ’89 captured first place on the balance beam and second place in the all-around, while Evie Vance ’86 took third place on the uneven bars and second in the all-around. Debbie Shirek ’89 repeated her score of 8.156 on the vault from last week, to capture third place in the parallel bars and in the all-around. Evie Vance ’86 also had a fine vault, for a 7.8 and third place. Team members Hillary Thompson ’87, Grace Tan ’86 and Rocchio all challenged themselves with new, more difficult routines.

One of the most impressive performances of the evening was Thompson’s routine to Eine Kleine Nachtmusik in the floor exercises. She unveiled several new tumbling passes, including a layout and a tucked back flip.

MIT will host Rhode Island College Saturday at 2 pm, in a dual meet in Davenport Gymnasium.

(Editor’s note: Madeleine Biber ’86 is co-captain of She’ll, the women’s gymnastics team.)

Use your head.

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Forum on Pornography Policy
February 5th, 4:00 pm
Mezzanine Lounge
Student Center

The UA Council and Graduate Student Council will be voting this month on an updated version of the policy concerning sexually explicit films on campus. Students should attend and give input to this vote.

UA NEWS

Tuition Increase?

Bryan Moser will be presenting information to the administration concerning the effect of high tuition on student life. Send letters to Bryan at the UA Office describing how tuition levels have affected your life:
• How has high tuition affected student life?
• How does high tuition affect MIT's applicant pool?
• How does high tuition affect study and career choices?

Send them to W2O-401 by February 14th.

Education Reform:

Student Response to the Institute

Take a seminar for credit to help draft a student critique to current efforts on education reform. Discussions centered around student perspectives on educational policy and serious participation of students will take place. History of policy at MIT, trends at other universities, and student initiated research projects will be assisted by Professors Kaysen+Snyder. Contact the UA Office for more details.

Education Reform:

ST39208 Student Perspectives on Education Policy and Reform
Tuesdays 7:00 pm

Professors Carl Kaysen and Benson Snyder
MIT holds off Nichols, 64-60

By Earl C. Yee

The men's basketball team rebounded from a mid-season slump? Two consecutive strong performances seem to say so. The Engineers (9-10) held off a strong comeback effort by the visiting Bison of Nichols College (2-13) to win 64-60 Saturday in Rockefeller Cage. MIT also beat Curry College last week.

MIT's first-half defense was tough-but-slowed the Engineers. The visitors' defense enabled them to hold MIT to 15 first-half points. Meanwhile, Nichols applied a full-court press that slowed the Bisons' offense. The Bison defense was especially noticeable in the longer, more open floor patterns. Michelle Quinn '89 scored on a series of outlet passes late in the first half, as MIT ran its offense.

The Bison seemed unable to stop the Engineers' fast-break offense in the first half, as MIT made 10-15 points in the opening minutes of the game. Meanwhile, Nichols applied a full-court press that slowed the Bisons' offense. Nichols scored for the first time with 14:38 remaining in the first half. Kevin Gabrielian and Paul Blasewitz, the Bison's pair of 6'4' front-liners, maneuvered their way inside the Engineers' zone defense for 17 first-half points. Meanwhile, Nichols applied a full-court press that slowed the Engineers' offense.

Against the Bison, MIT enjoyed a 46-31 lead going into the final 13 minutes of the game, when the visitors' defense toughened. The visitors' full-court press enabled them to storm back over the next nine minutes and outscore the Engineers, 20-18, closing the lead to 54-51. The Engineers quickly regained their composure as they sank the first of two free throws to give MIT a 55-51 lead at the 5:17 mark. Craig Poole '86, who led MIT scores with 17 points, scored on the Engineers' next possession, and a tip-in by Mihura moments later extended the margin to eight points.

Poole sealed the Bison's fate when he converted both ends of a one-and-one free throw opportunity, giving MIT a 61-51 lead with 1:59 remaining.

"It was a great win for us," said Coach Fran O'Brien. "We were very pleased with the win because Nichols played an excellent second half. We played very well at times in the first half, but we let them get back in the game." The Bison's surge late in the half brought the Bisons within five of the game total, 61-51. But MIT's defense held firm, allowing the Bison offense to score only 10 points in the final 7 minutes of the game. The Engineers' defense shut down McElroy for the remainder of the contest, limiting him to only two more points. McElroy, averaging 21.2 points per game, only managed to score 15 points.

Poole paced the Engineers' second-half attack, while Randy Nelson '86, who turned in an 11-point performance, provided MIT with some much-needed perimeter shooting.

The Engineers broke a seven-game winning streak on Jan. 23 with a 69-60 victory over Curry College. They begin a four-game road trip next week, traveling to Connecticut College, Wesleyan, Amherst, and Gordon. MIT returns home to play Emerson on Feb. 8 as the team completes its season with five home games.

MIT women swimmers drown Babson, 61-42

By Alison C. Morgan

The women's swim team fed Babson College to the sharks with a 61-42 score last Thursday evening at the Alumni Pool. The Engineers often led by body length and more.

Things looked bleak for the visitors with the opening event as Tech's 400-yard medley relay team outdistanced Babson's by almost a minute. MIT's swimmers were sailing halfway through the meet, 48 to 14. "Every time they swim they get faster," gushed coach John Benedick.

Tech surfaced in the 100- and 200-yard breaststroke with winning times of 1:16 and 2:45 by Juliane Marquet '87. Rebecca Perry '87 dominated the backstroke, winning the 200 by more than 10 seconds. However, Tech didn't monopolize all four competitive strokes as Babson's Cheri Cohen and Ann Johnson captured photo finish first places in butterfly and freestyle.

MIT's superior endurance was especially noticeable in the longer, more open floor patterns. Michelle Quinn '89 scored on a series of outlet passes late in the first half, as MIT ran its offense.

The Engineers' defense was "very well considering there was no real competition," according to Benedick. MIT virtually owned the scoreboard for the first eleven races and decided to enter unofficially in 5 out of 6 of the remaining events.

The team will take its 3-2 record to the New England Championships and a competition at Wellesley Feb. 4.