

Morss Hall Opens Late Night Service

By Gabriel J. Riopel
STAFF REPORTER

The Department of Housing and Food Services introduced new late night hours at Walker Memorial's Morss Hall yesterday to provide more dining opportunities to students living at East Campus and Senior House.

Menu offerings at Walker's late service will closely resemble those of the closed Pritchett Snack Bar. Hamburgers, sandwiches, salads, buffalo wings, chowder, and frappes will be served at Morss Hall Sundays from 7 to 11 p.m. and Mondays through Thursdays from 7:30 to 11 p.m.

The facility will be closed on Friday and Saturday nights because of conflicts with other activities scheduled in Morss Hall, according to the General Manager of Food Services Robert McBurney. But he noted that any further schedule conflicts that would require the closure of Walker's late night services will be publicized in advance.

"We are working together to try to alleviate the bumps in the road," he said.

According to McBurney, "Late Night at Walker" will provide needed food service to the east side of campus until the Pritchett Snack Bar reopens sometime next fall. Pritchett is currently being renovated, he said.

McBurney said that students living at East Campus and Senior House lacked an evening dining facility, while students living in west campus dormitories had enough evening dining options.

East Campus President Tariq M. Shaukat '94 was pleased that late night dining services are now being offered at Walker Memorial. But he stated his disappointment that scheduling problems prevented opening the facility on Friday and Saturday nights: "I'm happy that

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Sich Discovers Chernobyl Worse than Prior Reports

By Ramy A. Arnaut
ASSOCIATE NEWS EDITOR

Alexander R. Sich, a graduate student in nuclear engineering, reported that the Chernobyl nuclear meltdown was much worse than Soviets had previously admitted. His doctoral thesis provided a definitive study of the disastrous meltdown near Kiev, Ukraine, that occurred nearly eight years ago.

Sich spent 18 months researching near the site of the April 26, 1986 explosion, speaking with experts, examining official reports, and exploring the crumbling concrete sarcophagus that encases the remains of the reactor.

Contrary to existing reports, Sich concluded that the helicopter airlifts of 5,000 tons of clay and other materials to smother the smoldering reactor core was unsuccessful.

The pilots of the over 1,800 helicopter missions were told to aim for a "red glow" in the reactor building, which Soviet officials believed to be the burning core. According to Sich, the pilots hit the wrong target. His research indicated that the core was actually located about 50 feet from the glow. The source of the glow

remains uncertain. However, it could have been a small chunk of burning reactor material ejected during the initial explosion, according to *The Boston Globe* story on Jan. 30.

Because the core was never smothered, the reactor continued to burn for 10 days before finally extinguishing itself, according to Sich. The core underwent what experts consider the worst-case scenario — a complete core meltdown, he said.

Nine days after the accident, the liquified core melted through the 6-foot radiation shield of the reactor chamber and spilled out onto the concrete floors of the level beneath, Sich believes. There the material spread out enough to end the nuclear reaction, according to the *Globe*.

Sich believes that the reactor emitted between 185 and 250 million curies of radiation because the core was not shielded immediately. These levels are three to five times as high as the 50 million curies reported in the official Russian account. One curie is the amount of radiation given off by one gram of

radium.

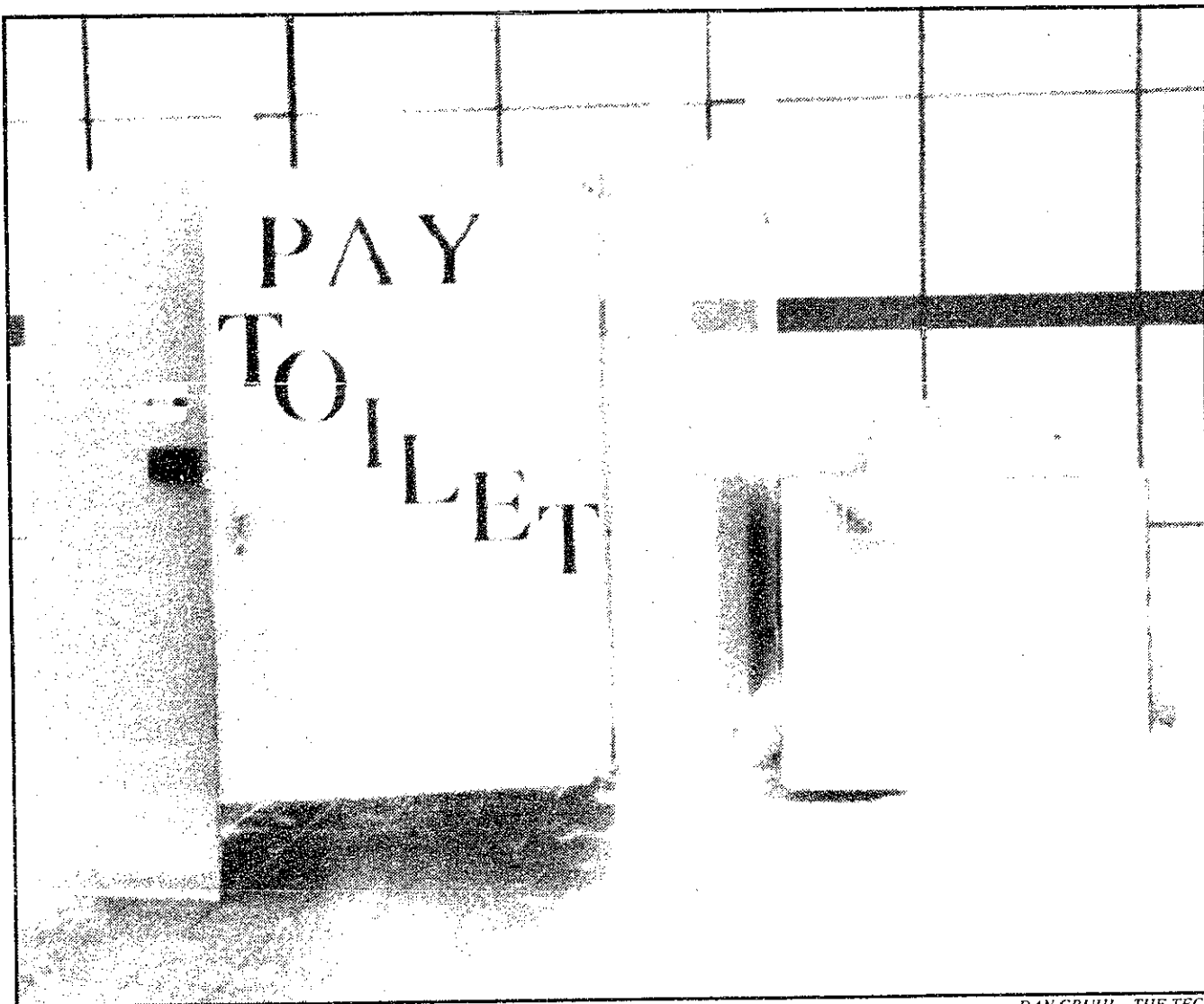
In addition, *Science* reported that the large amount of radiation seems to be linked to a higher incidence of thyroid cancer among children in Ukraine and nearby Belarus.

Connections aid work

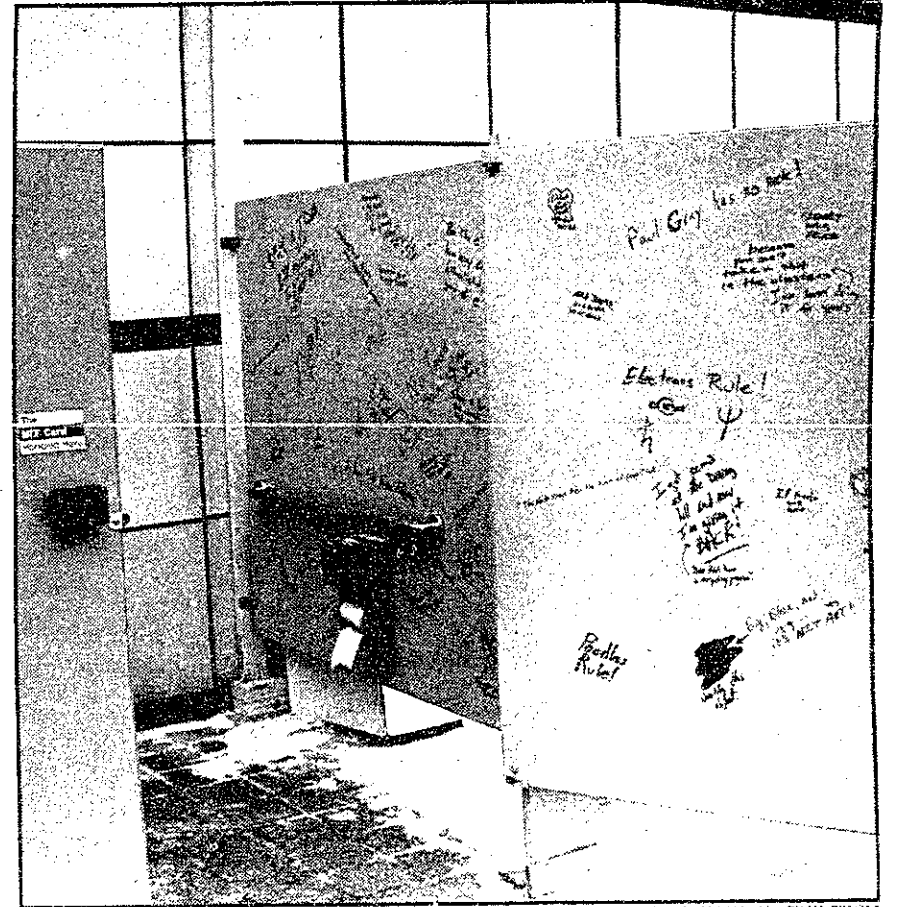
Sich had no official permission to perform his research, according to the *Globe*. However, he gained access to official records and to the site with the help of Alexander Borovoi, the Russian scientist in charge of monitoring and studying the Chernobyl disaster. Sich, a Ukrainian by descent, was also aided by his ability to speak both Russian and Ukrainian.

Sich's findings confirm the suspicions of many scientists who have visited the disaster site. Although they suspected that more radiation was released than Soviet reports recognized, Sich "has given enough new data to show that it is plausible," said Professor of Nuclear Engineering Norman C. Rasmussen, Sich's thesis adviser, according to the *Globe*. "I think the evidence is

Chernobyl, Page 9



DAN GRUHL—THE TECH



VIPUL BHUSHAN—THE TECH

As a solution to MIT's financial problems, hackers install a pay toilet outside the Wiesner Building. Not only does the pay toilet offer increased revenue but also assured security and privacy with the card reader. Both the faculty/staff MIT Card and the MIT Student Services Card allows convenient access to the facility.

IS Replaces Old Machines; Living Groups Disgruntled

By Deena Disraelly and
Eric Richard
STAFF REPORTERS

Last weekend, Information Systems replaced all of the remaining Vaxstation 3100 workstations in the Student Center Cluster with IBM Powerstation 220 machines and Sparc Sun stations as they moved towards completely withdrawing support from the older platform. According to Gregory A. Jackson, director of Academic Computing, approximately 30 VS3100s in public clusters will be replaced this year in order to work towards discontinuing support of the platform by mid-

1995.

Living groups which had Vax 2000s as holdovers from Project Athena are facing the decision of whether they will purchase newer Athena workstations or lose support for their clusters.

"Their performance is no longer competitive, and they no longer serve our general purposes of supporting students' access to state-of-the-art commercial software," Jackson said of the VS3100s.

"Our goal is to have no client workstations in public clusters, in departmental clusters, or on faculty desks that are more than four years

old," Jackson said. "When a generation of workstations approaches the end of its four-year lifetime with us, we solicit bids from vendors for new workstations and then buy the most attractive ones we're offered."

"This will improve operations, since the VS3100s are unpopular and slow and poorly equipped with commercial software," Jackson said.

The VS3100s were scheduled for replacement during the next fiscal year, but the process started early to ease the transition. "Since there are a lot of VS3100 workstations... and software availability has already become a problem, we began

replacing VS3100s this year to smooth the replacement stream for that platform," Jackson said.

Living groups upset

Since IS is planning to terminate its support of the Vax platform, several living groups, including Next House and pika, have had their Vax 2000 machines taken away.

The Vax 2000s were donated to each of the living groups by Project Athena as an experiment to determine whether residential or on-campus clusters were better, according to Craig A. Anderson '95, former computer chair for pika.

One dormitory and four independent living groups were equipped with the clusters when Project Athena was underway, Jackson said.

Next House and pika residents had become quite accustomed to using the in-house clusters and have been hurt by the change.

"Being on the edge of campus, we generally find it very difficult to go to campus and log on," said Dominic J. Sartorio '94, Next House's cluster manager. "Even though we didn't have the fastest machines, people used them for

Athena, Page 11

WORLD & NATION

U.S. Endorses Plan for NATO Aircraft to Support Peacekeepers

THE WASHINGTON POST

WASHINGTON

The United States Monday endorsed the U.N. secretary general's plan for NATO aircraft to back up U.N. peacekeepers if they are attacked by Bosnian Serbs besieging two towns.

"We've endorsed that report," Secretary of State Warren Christopher said of the letter sent by U.N. leader Boutros Boutros-Ghali to the U.N. Security Council last Friday.

The secretary general said he had instructed top U.N. officials in Bosnia to move "actively" to open the Tuzla airport for humanitarian relief flights and to relieve a Canadian unit in Srebrenica with new U.N. troops. He added that he has authorized his civilian representative in Bosnia, Yasushi Akashi, to call in airstrikes if the Serbs attack the U.N. operations.

Christopher said that Boutros-Ghali's move "could lead to the use of airpower if there's not an agreement" with the Bosnian Serbs over allowing the United Nations access to Tuzla and Srebrenica. But other U.S. officials reiterated that President Clinton does not intend to send American ground forces into Bosnia as peacekeepers or in the event that NATO air strikes trigger the need for outside military intervention in the Bosnian civil war. The U.S. refusal to commit ground troops caused an acrimonious exchange with France last week.

More Progress Needed Before Mideast Accords Finalized

LOS ANGELES TIMES

JERUSALEM

As details emerged here of tentative accords reached early Monday between Israel and the Palestine Liberation Organization on the future of Jericho and the Gaza Strip, it was clear that both sides would have to give significant ground on issues ranging from the security of Jewish settlers to control of international frontiers.

Sources said the proposed agreements, made by Israeli Foreign Minister Shimon Peres and PLO Chairman Yasser Arafat in Switzerland, are so detailed they specify the type of window glass that will be used at border stations.

Early in the day, Israeli Radio, which reported details of the tentative agreements for the first time, announced: "The indications from the prime minister's bureau are that, by and large, Rabin endorses these agreements."

Israeli Television, though, took the opposite tone in its evening broadcast. It quoted sources close to the prime minister saying unofficially, "Whatever progress was made (between Peres and Arafat) was certainly not enough."

Underscoring that skepticism, Yossi Sarid, Israel's environment minister who joined Peres during the weekend talks, told Israeli Television on arrival from Switzerland, "There is still a long, long way to go."

Judge Allows Lawsuit by Denny, Three Others against L.A.

LOS ANGELES TIMES

LOS ANGELES

A federal judge refused Monday to dismiss a lawsuit against the city of Los Angeles by trucker Reginald O. Denny and three other 1992 riot victims, clearing the way for a trial that may begin later this year.

Denny, Wanda Harris, Takao Hirata and Fidel Lopez contend that Los Angeles police left them at the mercy of their assailants in a South-Central Los Angeles neighborhood during the early stages of the riot because the area is predominantly black.

Harris' 15-year-old son was shot and killed a block from the intersection where Denny was dragged from his rig and beaten. Hirata and Lopez were beaten in the neighborhood.

U.S. District Judge William Matthew Byrne Jr. granted a motion by Assistant City Attorney Annette Keller to dismiss some of claims by the plaintiffs, in which they allege they were deprived of their constitutional right to due process of law.

However, the judge said all four plaintiffs can proceed with their claim that they were denied equal protection of the law. To prevail in the suit, the plaintiffs must prove that the police pulled out of the area because most of the residents were African-American.

WEATHER

Mostly Sunny and Cool

By John Goodrich and Michael Morgan

STAFF METEOROLOGISTS

Sunny cool weather will be the rule for the next several days as a high pressure cell over the Midwest dominates our weather. A weak disturbance will pass by today which may enhance cloudiness, but no precipitation is expected. On Thursday, a cold front will cross the area. Ahead of the front, southwest winds will warm temperatures up to near seasonable levels. Temperatures will drop to well below normal behind the front.

No significant snow or rain events are anticipated this week.

Today: Mostly sunny with some afternoon clouds. Winds should remain weak and the high should be around 26°F (-3°C). Winds west 5-10 mph (8-16 kph).

Tonight: Clear with weak winds. Low around 12°F (-11°C). Winds west 5-10 mph (8-16 kph).

Wednesday: Mostly clear. Westerly winds 5-10 mph (8-16 kph) and high 26°F (-3°C).

Wednesday Night: Turning a little cloudy with winds from the southwest 5-10 mph (8-16 kph). Low 16°F (-9°C).

Thursday: Morning cloudiness with perhaps a snow shower. Clearing, windy, and turning sharply colder in the afternoon. High 28-32°F (-2 to 0°C). Low 8°F (-13°C).

Administration to Ask for \$2 Billion More Quake Relief

By Alan C. Miller
LOS ANGELES TIMES

WASHINGTON

The Clinton administration will ask Congress Tuesday for \$2 billion more in federal earthquake relief than it had previously announced — making the emergency assistance package the largest ever proposed, administration officials said Monday.

Citing still-rising damage estimates, a flood of relief applicants and the impact of serious aftershocks, the administration is boosting its request for housing grants, small business loans and other federal aid to \$8.6 billion. In addition, nearly \$900 million in federal funds has already been committed to the quake-ravaged region.

"We're finding more and more damage," Richard Krim, the associate director of the Federal Emergency Management Agency, told a House subcommittee Monday. "You look at a building, it looks OK from the outside, then you go in and start seeing cracks."

President Clinton was to send the expanded aid proposal to Capitol Hill Tuesday morning. The House Appropriations Committee was scheduled to begin legislative consideration Tuesday.

The new monies include a request for another \$1.2 billion for FEMA, which coordinates government response to disaster and administers emergency aid. About two-thirds of the funds will be earmarked for housing assistance and social services for those whose homes were damaged or destroyed by the Jan. 17 Northridge quake. The remainder will be used to make schools and other public buildings less prone to damage in future earthquakes.

Another \$550 million will be added in Small Business Administration disaster assistance loans for business and homeowners — nearly doubling the \$559 million originally sought.

The aid bill will also include an increase of \$50 million to \$100 million in housing vouchers for the Department of Housing and Urban Development, nearly \$50 million in new funds for the Veterans Administration to repair the damaged Sepulveda Veterans hospital and \$100 million for a presidential contingency fund to be spent on quake-related costs as necessary.

With the additional funds, the quake relief measure would surpass record sums spent by the federal government on other large-scale disasters. A total of \$8.5 billion in federal funds has been spent jointly on aid for Hurricane Andrew in Florida and Iniki in Hawaii and Typhoon Omar. About \$4.7 billion has been channeled to the Midwestern communities devastated by last year's floods.

The 6.6 pre-dawn temblor killed 61 people and inflicted extensive damage on homes, freeways, businesses and public structures. A 5.0 aftershock Saturday caused new losses.

"Much of the country fails to realize that not only was this a severe earthquake but it was right in the middle of a major urbanized area," said a senior administration official. "The damage to homes is largely uninsured and the damage to infrastructure far exceeds what one would expect from a hurricane."

The administration has received more than 215,000 requests for housing and other individual assistance at disaster centers throughout

the earthquake area and projections indicate that figure could go as high as 500,000.

The SBA reports that it is receiving 1,000 applications daily and expects the tally to exceed 200,000. In comparison, the agency received 110,000 applications in the wake of Hurricane Andrew and 90,000 following the floods.

The official did not rule out future increases in aid but said that the latest figures include "both the damage we know and our projections of what we may discover. The aftershocks make it a moving target."

The full House is expected to consider the earthquake bill Thursday. Senate action will follow. Proponents aim to have the measure on Clinton's desk by the time Congress adjourns for a week Feb. 11.

The earthquake relief proposal is not expected to prompt significant opposition. Rather, the biggest battles are expected over conservative efforts to force budget cuts elsewhere to pay for assistance and initiatives to prohibit aid from going to illegal residents.

An aide to Rep. Ron Packard, R-Calif., said Monday that the lawmaker plans to introduce an amendment to the relief package Tuesday that would restrict funds in the bill to citizens or legal residents of the United States. She said this would apply to direct assistance, such as SBA loans or housing vouchers, but would exclude emergency medical care or food.

"He feels that by reimbursing these people, we're rewarding illegal behavior," the aide said. She added that Packard plans to introduce similar amendments to every spending measure that Congress considers this year.

U.S. Marines Fire on Somali Crowd, Reportedly Killing 3

By Keith B. Richburg
THE WASHINGTON POST

NAIROBI

U.S. Marines escorting two American diplomats in Mogadishu fired on a crowd of Somalis Monday, reportedly killing three, in one of the capital's most congested neighborhoods. The Marines said they attacked after coming under sniper fire, an allegation disputed by witnesses.

No U.S. servicemen or diplomats were injured, but foreign journalists and Somali witnesses reported at least three Somalis died. Some news agency reports said local hospitals reported five people killed and as many as 15 injured.

The clash was another sign that the security situation in Somalia may be unraveling as the United States accelerates its military retreat. It was the worst confrontation between American troops and Somalis since the start of a cease-fire last October.

The Mogadishu incident came three days after gunmen in the central Somali town of Beledweyne looted 337 tons of food from a World Food Program warehouse, forcing the temporary evacuation of some relief workers from that troubled city and raising the prospect of more bloodshed and anarchy after the withdrawal of American and European troops from Somalia is complete in March.

As is typical in incidents involving U.S. and U.N. troops and Somalis, various witnesses offered conflicting versions of the event. Somalis insisted to reporters on the scene that no sniper shots were fired

at the American vehicles, and that the Marines fired the only rounds.

U.S. diplomats in Somalia said the gunfire erupted about 11 a.m. as 22 Marines in three Humvees were escorting two American diplomatic cars from a meeting with representatives of Somali militia leader Mohamed Farrah Aidid. The meeting had been held to discuss deteriorating security in the part of the city where Monday's incident occurred.

According to Steve McIlvaine, the deputy chief of the U.S. liaison office, which functions as the U.S. embassy in Mogadishu, the convoy was fired on by at least two gunmen as the Americans approached a strategic traffic circle known as Kilometer Four, site of a hotel housing foreign news reporters. McIlvaine said in a statement released here that the Marines returned fire and believed they hit two attacking gunmen.

Reporters on the scene said the shooting occurred on a street where hundreds of Somalis were gathered for free food distribution. Some Somalis told the Associated Press in Mogadishu that they heard no sniper shots, but said the Marines saw the large crowd and must have felt threatened.

The commander of a contingent of Bangladeshi troops stationed on a nearby rooftop also told the news agency that he neither heard initial sniper shots nor saw snipers. But journalists in the nearby hotel said they heard what sounded like one or two single shots before the Marines fired a barrage from their M-16 automatic rifles.

Witnesses described seeing a

man and a woman lying dead in a pool of blood, shot in the head and neck, and another man lying dead against a wall with an arm blown off. After the shooting, Somalis carried the dead and wounded away on wheelbarrows angrily shouting anti-American slogans.

American diplomats did not formally assign blame for the incident. But a U.S. official who asked not to be further identified said Aidid's organization, the Somali National Alliance, had to take responsibility for getting gunmen off the streets in the areas of the city under its control if it wanted to be taken seriously as a responsible organization.

The United States and Aidid fought an undeclared, four-month guerrilla battle in Mogadishu's streets that ended on Oct. 3-4 when 18 U.S. soldiers were killed in a raid meant to arrest some of Aidid's top aides.

Only about 5,000 American troops remain in Somalia, and almost all of them will be moved to Mogadishu's port and airport by mid-February to await flights and ships out. By late March, no American servicemen will be left in Somalia.

The Americans' departure has led Italian, French, Greek, Norwegian, German and Turkish troops also to withdraw. Many Somalis, foreign relief workers and U.N. diplomats have voiced fears that the country could be poised for a new outbreak of violence and bloodshed that the ill-equipped U.N. troops remaining, all from Third World countries, may not be able to contain.

Clinton Offers Compromises On Health Reform Provisions

By John Fairhall
THE BALTIMORE SUN

WASHINGTON

Making a new bid for support for his health care reform plan, President Clinton offered Monday to compromise on two key provisions, but he failed to placate many critics.

The president told a meeting of U.S. governors that he is willing to compromise on proposals to limit health care spending and to require employers and employees to buy insurance through proposed regional bureaucracies called "alliances."

But the governors later dealt the White House a setback by approving a health reform policy that doesn't achieve the president's goal of guaranteed health care coverage for all Americans.

The chief problem for many of the governors and for many in Con-

gress is the president's proposal to finance universal coverage by requiring employers to pay 80 percent of their workers' premiums.

Critics fear this would burden employers and ultimately lead to less employment and fewer businesses. Although Clinton has proposed subsidies to help smaller businesses pay for health care, congressional Republicans are generally united in opposition to this provision, which also upsets many Democrats.

Maryland Gov. William Donald Schaefer, a Democrat who endorsed President Bush in the 1992 election, said of Clinton, "I don't think he fully understands the impact on small business."

Although Clinton did not specify what compromises he would accept on other features of his plan, his willingness to consider changes

could rob critics of some of their ammunition. Senate Minority Leader Bob Dole, R-Kan., the most prominent congressional opponent of the president's plan, has attacked the alliances and health care spending limits as harmful governmental intrusions.

"What I and my colleagues refuse to accept," Dole said Monday, "is the destruction of the best health care delivery system in the world ... in the guise of making health care available to all." Dole spoke to the American Hospital Association, which Clinton will address Tuesday.

Republican lawmakers have embraced a number of different bills, but most now agree on similar goals that they say would make it easier for Americans to buy and retain private health insurance.

Vote Talks in S. Africa Break Off

By Paul Taylor
THE WASHINGTON POST

JOHANNESBURG, SOUTH AFRICA

Talks aimed at persuading right-wing parties not to boycott April's all-races election broke off Monday night an hour after they began, deepening the gloom that has settled over South Africa's first democratic campaign.

With negotiations stalemated and threats of armed resistance by militant white conservatives increasing, top South African military commanders met with President Frederik W. de Klerk last week to voice concern about the loyalties of their white troops if they are called in to suppress right-wing violence. Roughly half of South Africa's full-time army and nearly all of its reservists and armed militia are white.

Monday night was supposed to produce the "final decision" on a constitutional settlement among the white-minority government, the African National Congress and the Freedom Alliance — a coalition of white groups that oppose black-

majority rule and parties from South Africa's black "homelands." The absolute deadline for parties to decide whether to place themselves on the ballot will not come until 10 days after de Klerk officially proclaims the April 27-29 election — a step he must take before the end of February.

But with no sign of progress in the talks, with campaign events being marred by disruptions and intimidation, and with Zulu and Afrikaner separatist groups sounding bellicose, "there's a whiff of civil war back in the air again," said David Welch, a political scientist at the University of Cape Town.

The major anti-election forces, as well as the government and the ANC, have slightly different tactical interests in the talks, and all the parties involved have visible splits between hard-liners and compromisers within their ranks.

Those who seem most difficult to accommodate — and most dangerous — are the militant whites who are holding out for a separate ethnic state for Afrikaners. The gov-

ernment and the ANC reject creation of any ethnically based state but had hoped to persuade hard-line Afrikaners to participate in the elections by offering to create an advisory council that would look into other ways to satisfy their demands for self-determination.

When that proposal was shouted down Saturday by a gathering of 10,000 members of the Afrikaner Volksfront, retired general Constand Viljoen, an advocate of compromise, shifted to the militant camp. Monday night he said in a national television interview that "if the Afrikaner doesn't get his Volkstaat (white homeland) before the election, I don't see how there can be an election."

The Zulu-based Inkatha Freedom Party, a leading force in the Freedom Alliance, also authorized its leaders last weekend to boycott the election. Party leader Mangosuthu Buthelezi, who is chief minister of the black homeland of KwaZulu, conceivably could use his 3,000-member KwaZulu police force to try to prevent balloting in his territory.

Illicit Drug Use Among Teen-Agers On the Increase, Study Says

THE WASHINGTON POST

WASHINGTON

Illicit drug use among American teenagers has increased in the last two years, reversing a trend of generally decreased use that began in the late 1970s and the early 1980s, according to a long-term study by the University of Michigan's Institute for Social Research.

More teenagers are using marijuana, LSD, inhalants and stimulants, the survey of 51,000 students found. The report, conducted for the National Institute on Drug Abuse, also revealed a rise in cigarette use, but found that cocaine use, both in powder and crack form, held steady at low levels and alcohol use generally declined.

"These are disturbing findings," said Lloyd Johnston, a researcher on the survey, but he noted that the numbers still remain below the levels of the 1970s. "It's an early warning to all sectors of society that the improvements of the last decade can't be taken for granted. Each generation of American youth is naive about drugs and has to learn the same hard lessons."

Many specialists say that surveys about drugs, particularly those involving young people, may be skewed because of the reluctance of some participants to tell the truth about illegal activity and the desire among others to brag. However, the University of Michigan study is seen as the most reliable of its kind because of its consistency and longevity. The Michigan researchers have been polling seniors about drug use for 19 years, 10th and eighth graders for three years. Students were questioned in 400 schools across the nation.

Although the numbers are reason for concern, perhaps more disturbing is the change in attitude toward drugs, researchers said. Fewer students disapprove of drug use and fewer see it as posing a risk.

"These changes would worry me less if the underlying attitudes and beliefs were not also continuing to shift in the direction" of being favorable to drug use, Johnston said.

"The country as a whole has not been paying attention to this issue," said Johnston.

Former Boston Mayor Looking Seriously at Run for Governor

THE WASHINGTON POST

WASHINGTON

Ray Flynn, the former mayor of Boston and U.S. ambassador to the Vatican, says he's looking seriously at challenging Massachusetts Gov. William Weld (R) this year but won't formally announce a decision until St. Patrick's Day.

Flynn, who quit in the middle of his third term as mayor to accept President Clinton's offer to be the Vatican envoy — a job he has tried to expand well beyond the borders of the Vatican, even beyond the borders of Italy — was back in Boston late last week taking some soundings and told reporters there there is "more than a 50-50 chance I will run."

Just for the record, Weld doesn't seem intimidated. In an interview during the NGA meeting, Weld brushed aside the speculation about Flynn by saying, "I don't think he's going to get in." Still, Weld said, he doesn't anticipate an easy re-election, saying he figures whoever gets the Democratic nomination will get close to 49 percent of the vote.

Graduate Student Council

Add yourself to the GSC mailing list.

Simply log onto Athena and type
blanche gsc-students -a your login
If you have any questions, email to
gsc-request@mit.

General Meeting

Thursday, Feb. 3 at 17:30 in the GSC office,
50-220. All graduate students welcome.
Free Pizza and Sodas!

The Graduate Student Council wishes to apologise for last week's tasteless joke, referring to MIT as Military Industrial Tech. MIT is a private academic institution entirely separate from and independent of the Armed Forces of this or any other country. The author of last week's ad has been court-martialed.

Activities Committee Meeting **TODAY** - 17:30 in 50-220.

Have a say in what events the GSC plans. Dinner provided!

Dental Insurance:

MIT doesn't offer any, because there are good dental care bargains around. The GSC has information about the Boston University Student Dental Plan, which looks like a good deal; the deadline for spring term enrollment is Feb. 28. Contact the GSC office, 50-220 or x3-2195, for more details. *The GSC does not have the expertise to endorse this program.*

Get Involved!

The GSC always needs new people and new ideas. Fall Orientation planning is already underway, and new officers will be elected at the end of the semester, so this is a good time to find out what we're all about. Come to a meeting, volunteer some time and energy if you have it (or if you don't), take a break from your research for a couple hours a week—it will do you good, and it looks good on a résumé.

Deadline for Spring Term Funding Board applications is Feb. 15. Forms available from the GSC.

OPINION

Letters To The Editor



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An Open Letter To Skaters: Avoid Being The Next Victim

I had a terrible experience when I had my figure skates sharpened in the Bicycle Workshop on 259 Mass. Ave near MIT. My newly bought figure skates were totally damaged with nearly all of the sharpenable edge cut off by the worker who did the job. Worst of all, the store manager denied the wrongdoing of her employee, harassed me by yelling to call up the police (she never did, and I guess she dared not to), and even rudely asked me to leave the store when I requested for compensation.

This happened two days before Christmas and things have not been settled today. I was a new skater and did not realize that sharpening skill is so important, and that an unskillful job could be so harmful to the skates. Usually, the skates cost quite a lot of money, so I hope this experience will not be repeated by another person, especially our MIT students. Therefore, I think it is necessary for me to write this open letter. The simple lesson I have learned and would like to share with all the skaters is: do not have your skates sharpened at the Bicycle Workshop, which has the poorest service that you may not be able to imagine.

Di Xu G

Brady Bill Protects Honest, Stable Citizens

I am writing to respond to Michael Chung's criticism of the recently passed Brady Bill. I strongly agree that there need to

be programs for gun education. It would even be in the NRA's best interests to support such programs.

However, background checks should be common sense. They certainly justify spending the money to ensure they are properly carried out. Every law-abiding citizen deserves the peace of mind of knowing that guns will not be sold to criminals or mentally unstable individuals. I am intimately familiar with a case in which a severely unstable mental patient purchased a gun and murdered her mother the same day. Not only was this a crime of passion, but the purchase of the gun

would have been denied under the Brady Bill as her mental condition was well documented.

Further, the Brady Bill does not attempt to prevent all violent crimes; it attempts to prevent a very small percentage of them. Honest, stable individuals can spend the five days enrolled in a gun-education seminar.

Also, I am skeptical of the importance of "extreme circumstances." A family or individual should decide to own a gun or not to own a gun, period. Timing should not be a factor. This is a component of being a responsible gun-owner.

David S. Rovnyak G



Steve Hwang

Opinion Policy

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

Dissents, marked as such and printed in a distinctive format, are the opinions of the signed members of the editorial board choosing to publish their disagreement with the editorial.

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

Letters to the editor are welcome. They must be typed, double-spaced and addressed to *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029, or by interdepartmental mail to Room W20-483. Electronic submissions in plain text format may be mailed to letters@the-tech.mit.edu. All submissions are due by 4 p.m. two

days before the date of publication.

Letters and cartoons must bear the author's signatures, addresses, and phone numbers. Unsigned letters will not be accepted. No letter or cartoon will be printed anonymously without the express prior approval of *The Tech*. *The Tech* reserves the right to edit or condense letters; shorter letters will be given higher priority. Once submitted, all letters become property of *The Tech*, and will not be returned. We regret we cannot publish all of the letters we receive.

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Electronic mail is the easiest way to reach any member of our staff. Mail to specific departments may be sent to the following addresses on the Internet: ads@the-tech.mit.edu, news@the-tech.mit.edu, sports@the-tech.mit.edu, arts@the-tech.mit.edu, photo@the-tech.mit.edu, circ@the-tech.mit.edu (circulation department). For other matters, send mail to general@the-tech.mit.edu, and it will be directed to the appropriate person.

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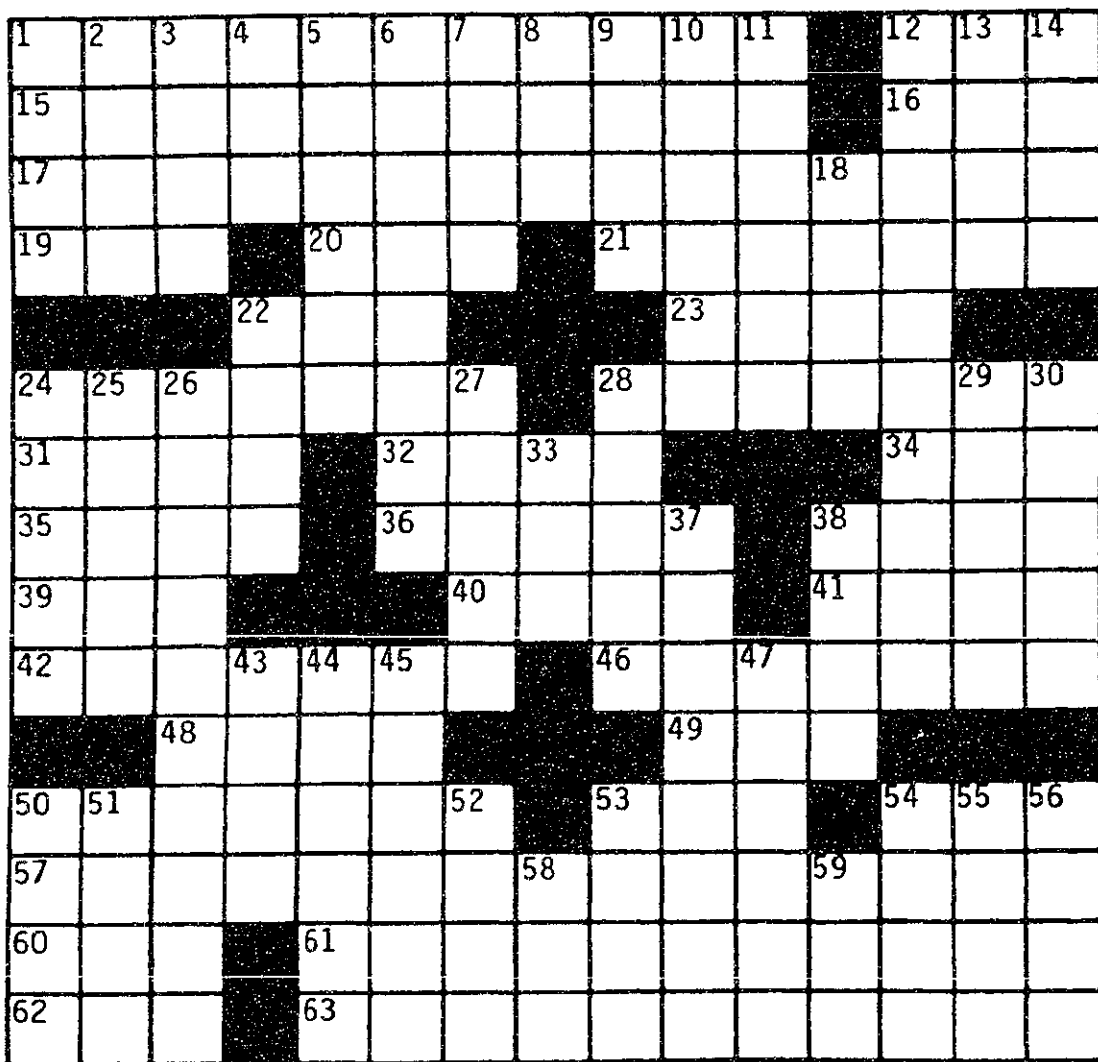
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- 20 Ad —
- 21 State publicly
- 22 Klink or Sanders (abbr.)
- 23 Keats writings
- 24 Soft drink (2 wds.)
- 28 Refrain from voting
- 31 Greek god of war
- 32 Attender
- 34 Chinese aborigine
- 35 Crazy
- 36 Harnesses
- 38 "— Kampf"
- 39 National League city (abbr.)
- 40 "...giant — for mankind"
- 41 Italian river
- 42 Drinking items
- 46 Ancient Greek musicians
- 48 — avail
- 49 Vic Tayback role
- 50 Pursued stealthily

- 53 Mr. DiMaggio
- 54 Omega's neighbor
- 57 Entertainment medium (2 wds.)
- 60 Part of APB
- 61 The quality of being the best
- 62 Maiden name designation
- 63 Printshop workers

DOWN

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- 3 "...to hast'ning — a prey"
- 4 Ending for scam or sham
- 5 Chess piece
- 6 Branch of metaphysics
- 7 Secular
- 8 Theta's neighbor
- 9 Scrabble piece
- 10 Associate familiarly
- 11 Hairnets
- 12 Those who contradict
- 13 Mr. Guinness
- 14 Morally low
- 18 Two musicians
- 22 "— thy bread upon the waters"
- 24 Egyptian president
- 25 Give a speech
- 26 Collapsible
- 27 Combines, as knowledge
- 28 "...done this with — live girl"
- 29 "— Got Nobody"
- 30 Taboos
- 33 — out a living
- 37 "007" film, e.g. (2 wds.)
- 38 Letters
- 43 Colby, e.g. (abbr.)
- 44 Neglected
- 45 Robert Burns' field
- 47 Recoin
- 50 Nor., Swed., and Den.
- 51 Fib
- 52 Profound
- 53 Truman and Kennedy, e.g. (abbr.)
- 54 Long for
- 55 Well-known Greek philosopher (abbr.)
- 56 Chemical suffixes
- 58 Liberate, to friends
- 59 Harden

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Solutions, page 10

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| 8 p.m. | | | | |
| 12 noon | 28 Feb | 1 Mar | 2 Mar | 3 Mar |
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Walker Offers Late Night Pritchett-Style Selections

Walker, from Page 1

they are moving forward with Pritchett and hope to see it re-open next fall," Shaukat said.

Students demanded night services

The efforts of East Campus residents and Shaukat were very influential in establishing the new hours, said John T. McNeill, associate director of food services. The new services at Walker are just part of the ongoing process of renovating Pritchett and establishing permanent

late night dining services on the east side of campus, he said.

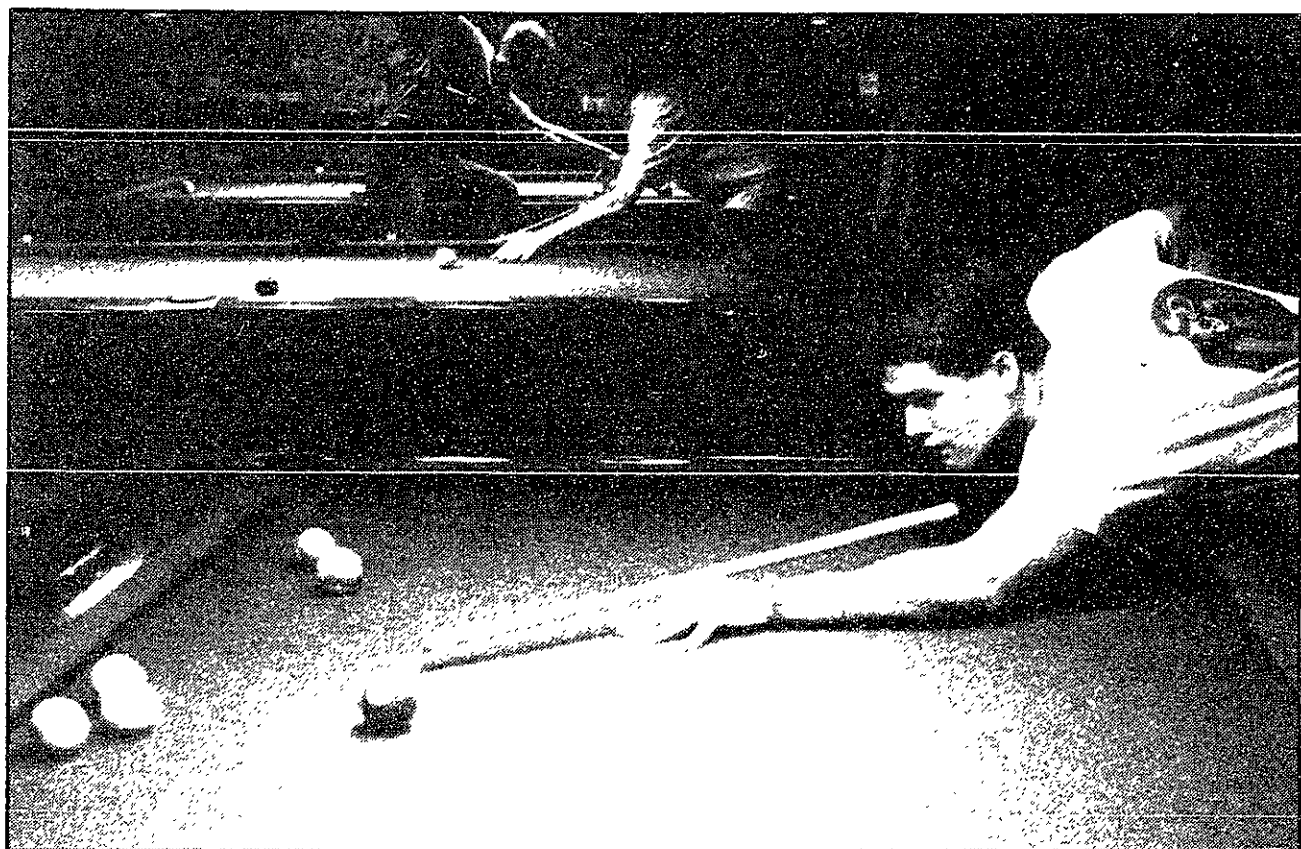
Walker will be staffed almost entirely by students but will be supervised by Food Services. The MacGregor Convenience store and Next House's evening dining services are already student-run. McBurney said that by increasing student involvement in the dining facilities, students may feel that the services are theirs.

"We are trying to listen to students and customers and provide what they want as much as possi-

ble," McBurney said.

This push for increased service also includes "Val-U-Meals" at many of the dining halls. Val-U-Meals will provide a complete meal for a single price to enable faster service and "value based" pricing, according to McBurney.

Another new service is the MIT Faculty Club, which will now be open to faculty and graduate students during lunch hours Monday through Thursday. However, it will not be open to undergraduate students, McBurney said.



RICH DOMONKOS—THE TECH

William W. Samec Jr. '95 takes aim at the Student Center Committee Billiards Tournament held on Saturday at the Boston Billiards Club.

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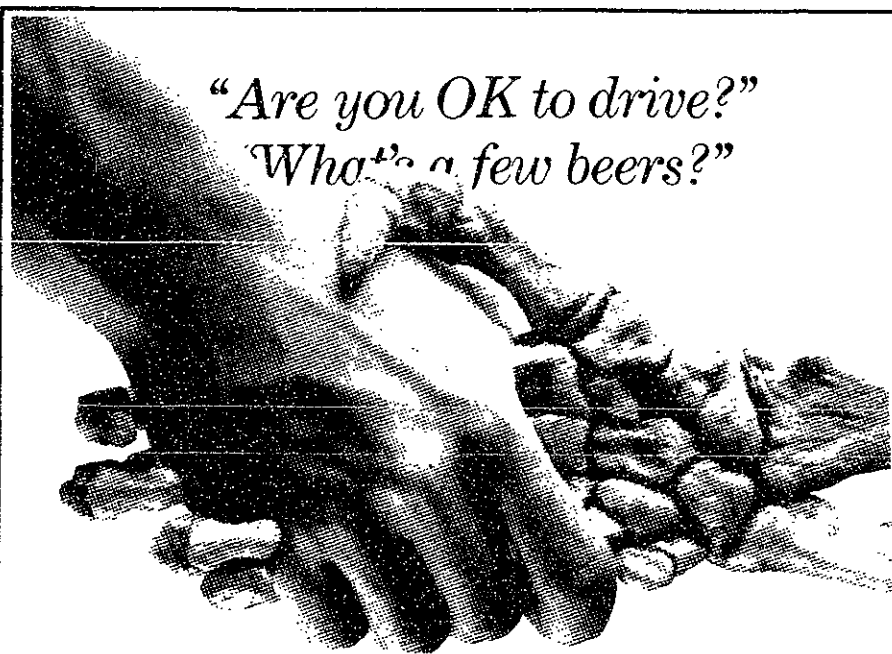
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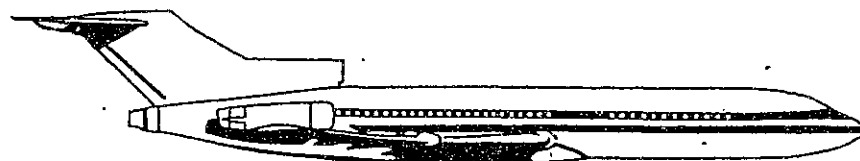
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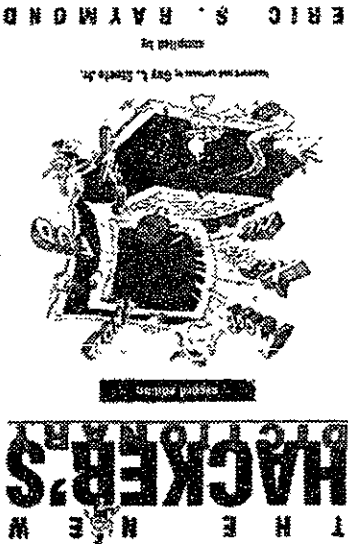
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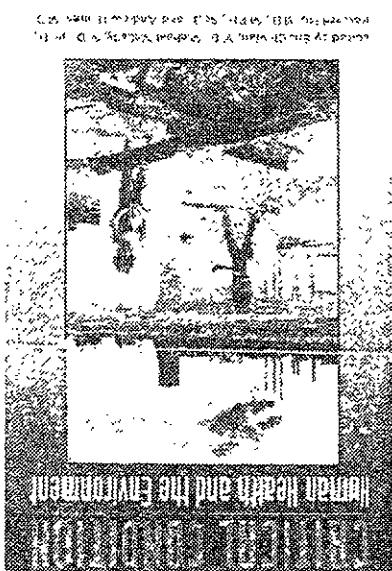


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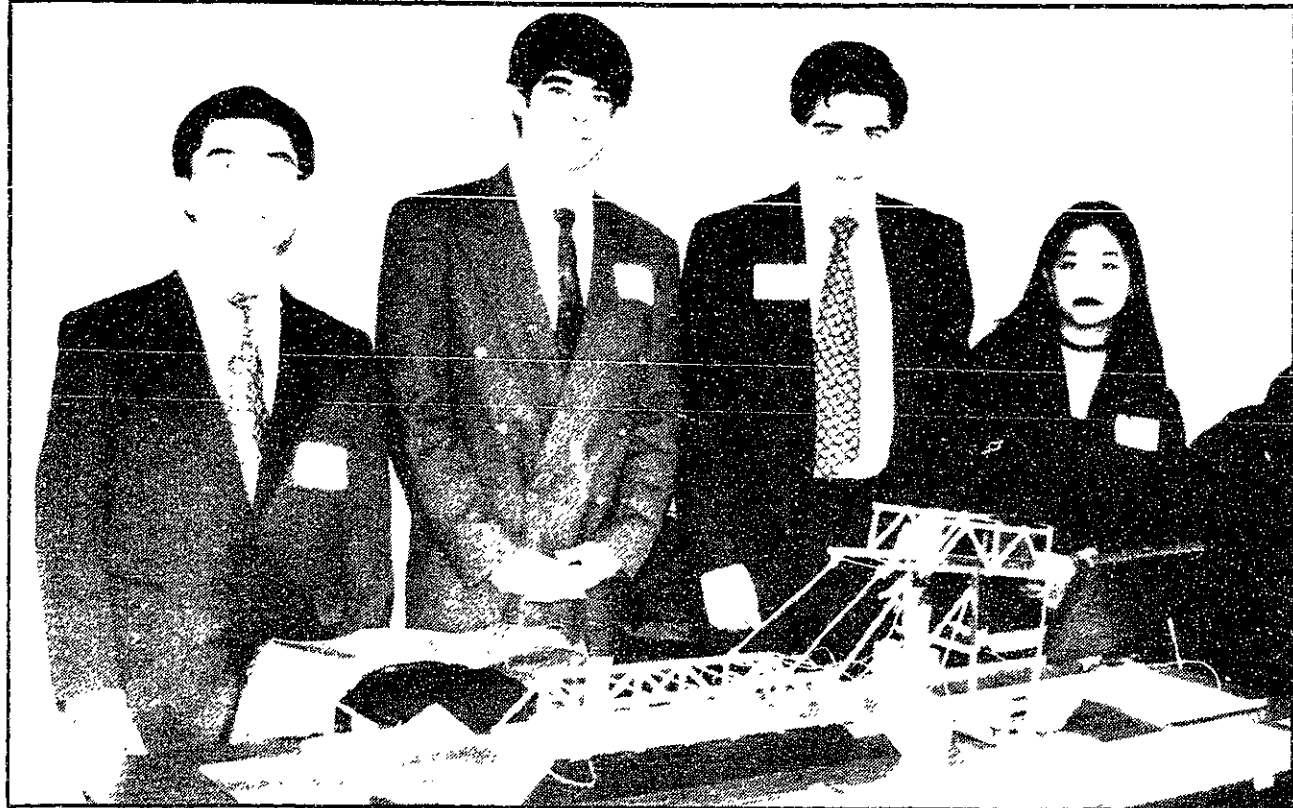
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 soth exhibit their drawbridge design for the Engineering Design Workshop held during IAP.

Reactor Core Burned for Days

Chernobyl, from Page 1

very strong.”
 Part of what made such thorough research possible was the amount of time Sich spent investigating the accident. Richard Wilson, professor of nuclear physics at Harvard University, said in the *Globe*, “Being there one day at a time is no comparison to being there 18 months [as Sich was] and really getting a clear sense of things.”
 Sich’s research provides “probably the best analysis of what took place during the 10 days after the accident, of what [the Soviets] did, and what they tried to do,” Rasmussen said.
 With this research, Sich submitted an exhaustive 500-page doctoral dissertation, which was accepted by the department of nuclear engineering earlier this month.
 “It is indeed disturbing that almost eight years after the accident, the first and only nuclear engineer

from the West permitted to conduct research at Chernobyl was an American graduate student,” Sich said. “The most important thing for me was living with [the Ukrainians and Russians] and seeing them day to day.”
Core threatens environment
 At present, the Chernobyl complex remains far from safe. The reactor continues to emit dangerous levels of radiation. Weakening structural confines are also threatening to contaminate the region’s water supply, according to the *Globe*.
 Over 11,000 square feet of holes in the reactor’s sarcophagus structure are allowing rain and air to come into contact with the radioactive core, according to the *Globe*.
 In addition, a dam originally built to protect the nearby Pripjat River may in fact be leading up to another disaster. The dam causes the water table, or the underground

water level, to rise. If the table rises high enough, it may wash over low-lying radioactive waste in the reactor complex, where “one hundred eighty tons of partially burned nuclear fuel remain,” according to Borovoi.
 Ukraine, burdened by internal political turmoil and a debilitated economy, will have little revenue to correct these problems in the near future. For example, Ukraine does not even have enough money to pay for nuclear fuel shipments from Russia, according to the *Globe*. Nur Nigmatulin, deputy chairman of the government agency that runs Ukraine’s nuclear power facilities, said that Russia recently announced it would be suspending nuclear fuel shipments to Ukraine unless past fuel debts are paid.

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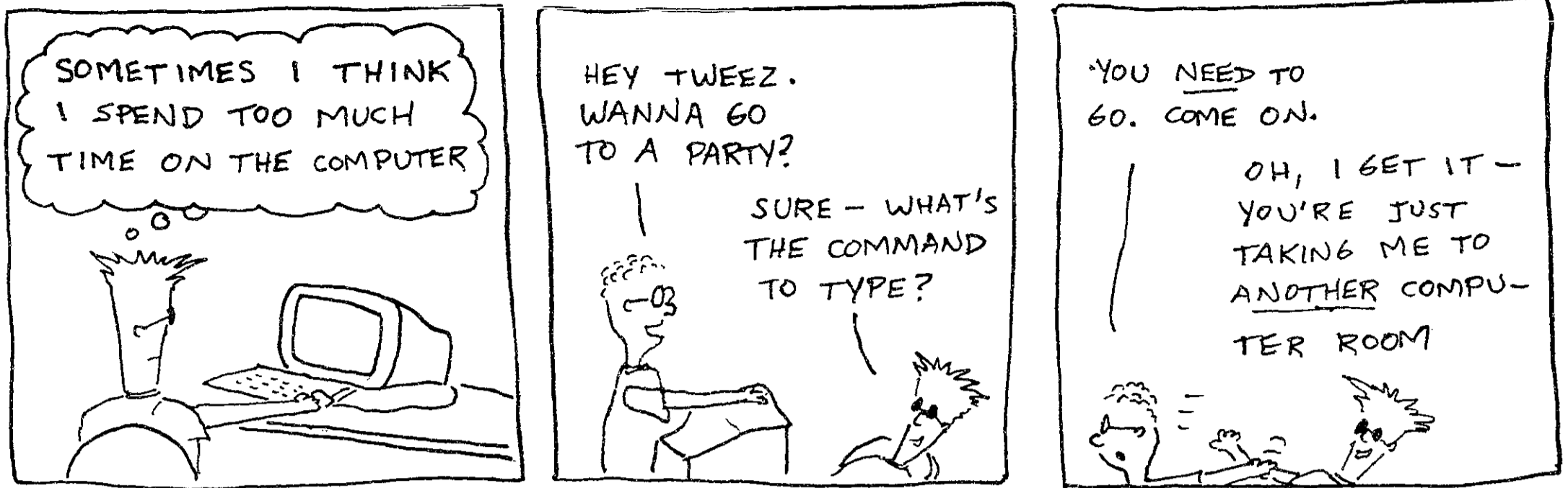
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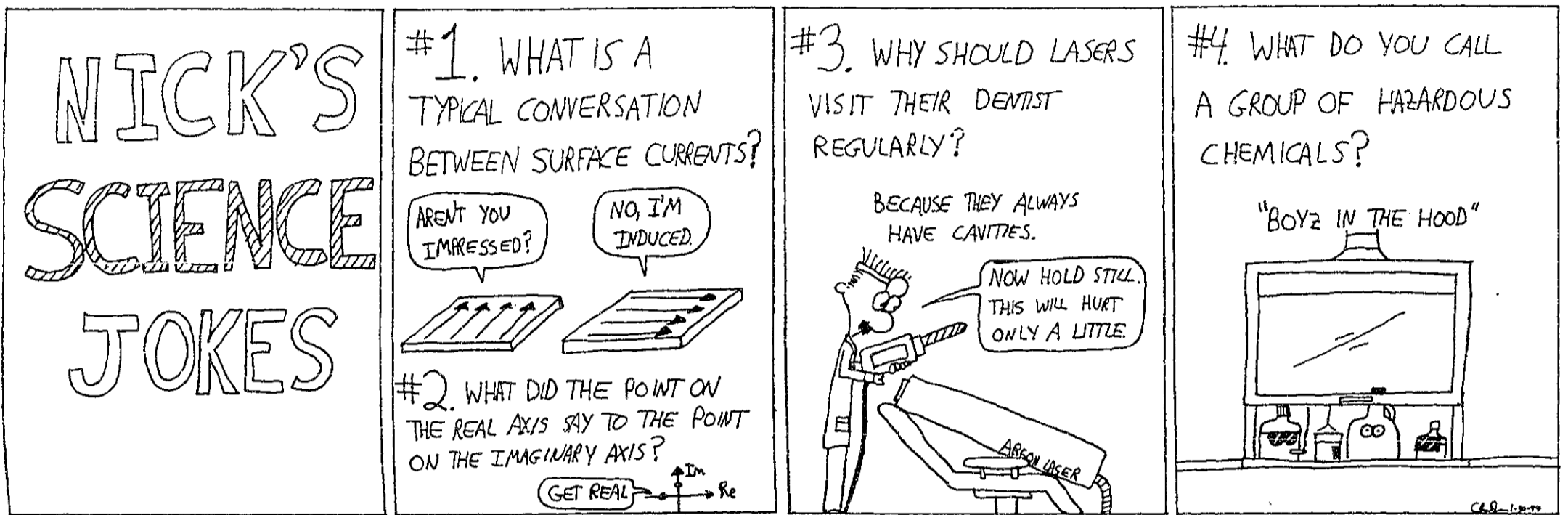
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Puzzle, page 6

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Athena Terminates Support of Vax3100

Athena, from Page 1

convenience." Jackson explained the change saying, "With the completion of the Resnet project to extend MITnet into living groups and dormitories, living groups that had Vaxstations now fall under the same policy as other living groups: that is, selecting and buying computers to connect to the network is their problem." "We will not support VS3100s in living groups any longer than we support VS3100s elsewhere," Jackson added.

However, Sartorio said that people at Next House had been using their cluster to use programs like Matlab which are not available on Resnet. "Even though Resnet is a good addition to the dormitory, it does not adequately replace all the capabilities provided by the cluster."

Anderson concurred, explaining that since few people at pika own computers, Resnet is not effective for them.

Pika is considering buying three DEC DX stations on their own. "In the next couple of months, we will have our own cluster in the basement to replace the old one," Anderson said.

platforms is nothing new, with IBM PC-RTs being replaced this fiscal year by DECstation 5000s, IBM RS/6000s, and Sun Sparc stations. The original Athena workstations were replaced two years ago with DEC 5000s.

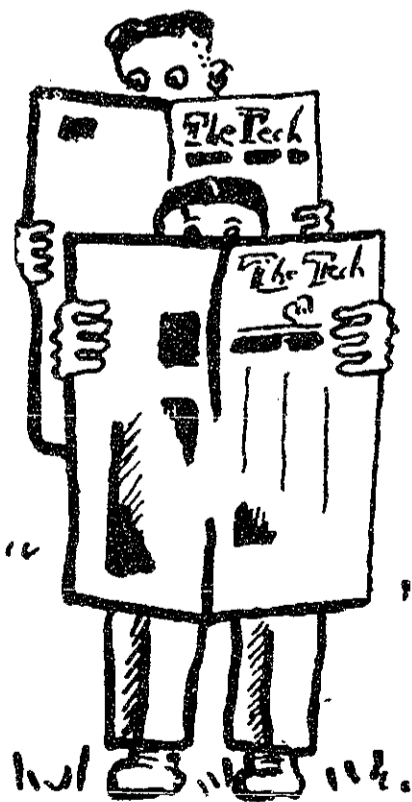
Jackson explained the problems associated with older machines. "As computers age, three things happen. They fall further and further behind the performance of our newest machines, leading students and faculty to avoid them and complain about them. It becomes increasingly difficult to support courseware and commercial software on them ... and they become much more expensive and difficult to maintain and repair."

While the VS3100s are being replaced by currently-supported platforms, IS is discussing the possibility of introducing new platforms in future years. "Our plans for new platforms such as DEC Alphas, Silicon Graphics Incorporated machines, Hewlett-Packard machines, PowerPCs, and so on are currently taking form," Jackson said. "Even that list isn't complete. Until our consideration advances further, don't expect any particular kind of new machine."

Replacements are routine

The process of replacing older

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Tennis Bubble Reinflated, Will Reopen Soon

Daniel Wang
ASSOCIATE SPORTS EDITOR

Many MIT facilities were affected by the harsh winter weather, but none as severely as the James B. Carr Tennis Center. On Jan. 8, the "Bubble," as the Tennis Center is commonly known, suddenly collapsed under a heavy accumulation of snow. After a month of repairs, the Bubble was finally reinflated Sunday morning.

Physical Plant encountered many problems as they tried to repair the Bubble: cold weather, numerous leaks, constant snow, and large sheets of ice above the outside surface.

The collapse of the facility has been a great inconvenience to many people, especially because it happened during the Independent Activities Period. Physical Education tennis classes were moved to the infield of the track at the Johnson Athletic Center, on a surface not designed for tennis. Many varsity tennis team members were also affected, as they usually depend on the Bubble over IAP to prepare for the upcoming season.

People reserving court time and staff members who work at the Bubble also lost money or income because of the accident.

Unfortunately, the facility is not yet fully operational, according to Assistant Director of Physical Education Candace L. Royer, who is also general manager of the Tennis Center. Royer expects the Bubble to reopen in early February.

'Calculated Gamble' Came Short of Overcoming Suffolk

Men, from Page 13

do too much better. The most striking performances were in the other two shooting categories. The three-point shots didn't go through for MIT, as it made only two of 20 shots, included the many desperation attempts, which may have been rushed. From the free throw line, the team was on average with 61 percent, but the effort was no match for the 75 percent shooting by Suffolk. The number of buckets made from the stripe were noticeably different, possibly making the difference in the game; Suffolk made 24 of them, while MIT made only 14.

The statistics seemed to indicate a marvelous performance by the Engineers, as all five starters scored in the double figures. Caruthers, who consistently played at superhuman levels, led the team with 18 points. Hyun, despite a cold 1-for-8 shooting from long range, was next, with 17. Porter and Levesque both scored 13 points. Porter was also the only player in the game to have rebounds in double figures, with 13, to give him a double-double. Whalen, who was usually the high-point man, rounded out the starting five, with 10 points. Mark Hefferman '95 and Tyrell Rivers '95 were both rather quiet, adding two and zero points, respectively.

Osgood said, "Games are always a composition of highs and lows." He explained that while the team played hard, the opponents simply did some things right to come out on top. He was pleased with his players' performances, which he thought was more important than the final outcome. Osgood later said that he took a "calculated gamble" with his team's plays, and just came up short.

The team will travel to its next two games, first on Thursday against Connecticut College, then on Saturday, against the Wentworth Institute of Technology. The next home game will take place next Tuesday, against Tufts University.

Fencing Wins West Point Meet

By Ifung Lu
TEAM MEMBER

The fencing team exhibited great determination and skill in the multiple dual varsity meet held at West Point on Jan. 22. This young but mentally strong team performed brilliantly, defeating two out of three teams, including the United States Military Academy.

The men's team crushed Vassar College in the first round, with an overall score of 18 to 9. This emphatic victory was highlighted by the epee squad's total domination of the fencing strips, taking all nine bouts fought. Men's sabre also dominated, winning seven of nine bouts.

Next to feel the MIT heat was the USMA. Although the army cadets put up a good effort, they eventually succumbed to the pressure, losing to MIT, 13-14. The foil squad acquired the crucial point,

defeating their opponents, five bouts to four. The epee squad also defeated their opponents by the same point margin.

Johns Hopkins was the only loss for MIT. The Engineers fought bravely, parrying off attacks and attacking till the very end, but lost 10-17. Things were not to be, as foil and epee took only three and two rounds respectively. Sabre, on the other hand, won by a narrow margin, taking five bouts to four.

Erik DeBonte's struggle against a Vassar epeeist characterized the intensity of the MIT fencing team. Caught with a 4-0 deficit, he discovered that his weapon did not have a sensor, which registers touches against the opponent. Because of DeBonte's equipment failure, the last point was taken away from his opponent, making the score 3-0. With 37 seconds left on the clock,

DeBonte rallied and tied up the score at three a piece. Time ran down, but DeBonte managed to get the final touch and win the bout for MIT during sudden death.

The women's team fought only one match, because other women's teams failed to show up. Nevertheless, this all freshmen team stood their ground and decisively defeated the USMA cadets 13-3. Dynamic fencing, combining attacks, and strategic retreats led to their decisive victory on the army's home turf.

Saturday, the women will travel to Brandeis to fence in multiple dual meets there. The men will host the largest home meet in MIT history this Sunday. Twelve NCAA teams including Princeton University, New York University, and the Air Force Academy will duel it out in Johnson Athletic Center.

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Lead Shooters, Rowdy Crowd Not Enough to Prevent Defeat

Men, from Page 16

games earlier in the season. The record for the Engineers is now 5-11 overall, for the season. They have been on a four-game losing streak, but will try to break it Thursday night, at Connecticut College.

MIT falls in OT against Suffolk

The basketball game played against Suffolk University at Rockwell Cage on Registration Day, was unlike any other. There was an announcer to call the plays; Director of Sports Information Roger Crosley operated the microphones. A larger-than-usual crowd of 168 attended, including center Keith Whalen's high school coach. The side from MIT undoubtedly made their presence known. The obnoxious spectators often taunted the Suffolk players and coaches. Despite the distractions, the Rams were able to defeat the Engineers, 84-78 in overtime, in an exciting game that kept the crowd on its feet. The Engineers suffered their third consecutive loss, falling to 5-10 overall.

The loss was unfortunate for the MIT players, as they played an excellent game most of the way. Because of miscommunication, no one from the Tech Sports Staff saw the action in the first half. Coach Leo Osgood wanted to try something different from the Suffolk scouting report of MIT, and often ordered three-quarter court press. The team maintained a lead of at least three points throughout the first half, going up as high as eight points. However, four meaningless points brought the margin back down. MIT led 31-27 at halftime.

Second half action

Throughout the second half, some spectators reminded the Suffolk crew of its recent 114-69 loss to Babson College, as shown on the program. The same people also mocked Suffolk player Nike Vieira for missing his first eight shots.

Despite being down, the Rams never let MIT feel comfortable, with plays that forced the Engineers to be on their feet at all times. Suffolk finally went into the lead at 17:39, when Rams forward Rick Ace made a basket to tie the game at 37. Forward Tim Porter '96 fouled him, giving Ace a trip to the free throw line. His shot fell cleanly, giving the Rams a 37-36 lead. Soon afterwards, forward Joe Levesque '95 scored after making a fancy spinning move to give the Engineers the lead again. However, the Rams soon responded to take the lead at 16:33,

with the score 40-38.

Seconds later, top shooting guard Randy Hyun '95 was wide open, but missed a three-point field goal attempt. Suffolk had a chance to score when one member set up for a three-pointer. He released the ball not knowing that Caruthers was quickly approaching behind him. Caruthers jumped up and tipped the ball away from the hoop.

Soon afterwards, the Engineers seemed to catch some fire, as they exploded for a seven-point run, sparked by a fast break play by Hyun. A few turnovers by Suffolk made the scoring possible.

The Rams then called a time out, which seemed to have been the right decision, as they tied at 12:55, with the score, 47-47, then went on to take the lead at 52-51 with 9:36 left in regulation.

Suffolk held the lead until late in the game, when a couple of error caused them to hand over the lead. With 3:34 left, a jumper by Caruthers brought the Engineers to a 66-63 lead. They would lose lead again, as the Suffolk players took advantage of fouls by scoring at the charity stripe.

Some missed free throws kept the game close, as the lead was never greater than two points, in the last minute of regulation. With 0:22 seconds left, Suffolk guard Chris Togli made a finger roll, and drew Whalen's fourth foul at the same time. He added an extra point to bring Suffolk up, 71-69.

In the closing seconds, MIT players called two back-to-back time outs to regroup and rethink their strategy. Finally, with three seconds remaining, Hyun took a jumper which bounced off the back of the rim and into the basket.

Two seconds was not much time for the Rams to do anything, but possibly enough time to score a basket. The Rams attempted a play that resembled the last second pass from Grant Hill to Christian Laettner that Duke University pulled off to win over the University of Kentucky in the 1992 NCAA Tournament. The play this time, was unsuccessful, since the touchdown pass went a little farther than expected. Vieira attempted a shot from behind the backboard. Although the basket would not have counted, the ball almost went through the hole and left the crowd in suspense. As the buzzer sounded soon afterwards, Hyun's shot had helped send the game into overtime.

During the early part of overtime, the Rams appeared to be able to open up the floor, and make fairly easy baskets. Valiant attempts from

the Engineers prevented many buckets but happened to draw fouls. In the first two minutes, Suffolk players went to the free throw line for four shots, sinking all them. The points, added to a field goal early on, put the Rams ahead 77-71 with 2:50 left in the overtime period.

The Engineers soon responded, as Hyun sank a three-pointer at 2:35. Seconds later, Carruthers added a two-point jumper, to pull the team within one, at 77-76.

MIT seemed to be back into the game when fouls continued to aggravate the Engineers. At 1:54, Heffernan blocked a shot, but was called for a foul, which allowed Rick Ace to score two from the line. At that point in the game the Engineers trailed by three, and started attempting shots from the three-point line, but to no avail. Caruthers, Hyun, Porter, and Levesque were a bombing squadron, but simply could not put the ball through the hoop. To the demise of the team, Heffernan fouled out at 1:22. Fouls painted a large part of the game's picture, as the Rams made only one field goal in the last three minutes of play.

With 18 seconds left in the game, Ace took a touchdown pass from the MIT side, and drove towards the basket. He attempted a lay-up when Caruthers sprinted, jumped, and knocked the ball out of his hands and off the glass. After the heroic effort, Caruthers fell, and hit his head and elbow on the floor. He was down for a few moments, as trainers rushed to his aid. He was able to get up, but had to leave the game, an unfortunate event in what was a superb game for him.

Hyun, who also tried to prevent the basket, was charged with a foul, which gave the player two shots at the free throw line. He made only one of two, but the score was 82-78, making another comeback very difficult for the Engineers, with the time remaining. A few seconds later, Porter intentionally fouled another Suffolk player, and having been charged five, was out of the game. That player made his two free throws to add some insurance points for the Rams. At the buzzer, Hyun attempted a shot from extreme long range, but missed. Although it wouldn't have made a difference, it reflected the outside shooting of the Engineers which didn't work late in the game.

From the field, neither team shot particularly well, especially MIT, who had a made 38 percent of its field goal attempts. Suffolk didn't

Men, Page 12

Rocchio Executes Double-back Somersault, 1st by MIT Gymnast

Gymnastics, from Page 16

less dance. Rocchio had the MIT season's highest score on the floor exercise as she tumbled and danced her way to a score of 9.1. Overall, Chiarenza tied for second place overall with her season's highest all-around score of 35.15 and Sollod was fourth with her career highest score of 33.9.

At Brown, the clean handsprings of Stephanie Shaw '95, Cornwell, and Carmel earned them respective scores of 6.95, 7.1, and 7.2 while Sollod's full-twist again scored well for an 8.45. Rocchio had problems landing her double-front on the first vault and opted to perform only a handspring vault for a score of 8.0 while Chiarenza came just shy of perfectly landing her double front for a score of 8.75 and second place overall in the meet.

Carmel had her strongest bar routine of the season and earned a 6.6, despite a toe-tap on the mat

during her free straddle-back over the low bar. Rocchio and Sollod each performed with a few breaks on release moves and their 1 1/2 somersaulting dismounts as they scored 7.6 and 7.8. Problems on the 1 1/2 dismount pervaded the team as Chiarenza also over-rotated hers; still she scored an 8.4 for an otherwise excellent routine and again earned second place on the event.

The balance beam competition highlighted a strong round-off and switch-leg leap by Carmel and another no-falls routine by Chen for scores of 6.35 and 7.85. Rocchio suffered a fall on her back-hand-spring back-layout flight series for a score of 8.15. Sollod stumbled off the beam on her mount but strongly finished an energetic routine while Chiarenza had her season's best routine for respective scores of 8.45 and 8.65. Here too, Chiarenza earned a tie for second place overall on the event.

Floor exercise was not as strong

as the previous Saturday's performance but DeWeese displayed high acrobatic tumbling and Sollod landed a clean full-twisting back layout for scores of 7.6 and 8.4. Chiarenza took third place overall on floor for her energetic routine and score of 8.75. Rocchio performed the first double-back somersault ever done by an MIT gymnast and the most difficult acrobatic skill of the competition, but overrotated the landing for a score of 8.6. Overall, Chiarenza took second place in the meet with her score of 34.55 while Sollod and Rocchio were 4th and 5th with their strong scores of 33.1 and 32.35.

MIT hosts its second home meet of the season on Feb. 12 at 1:00 in DuPont Gymnasium against Brown University, where it will attempt to remedy the loss of this past week. In the meantime, the team travels to compete against Division I UMASS-Amherst this Friday.

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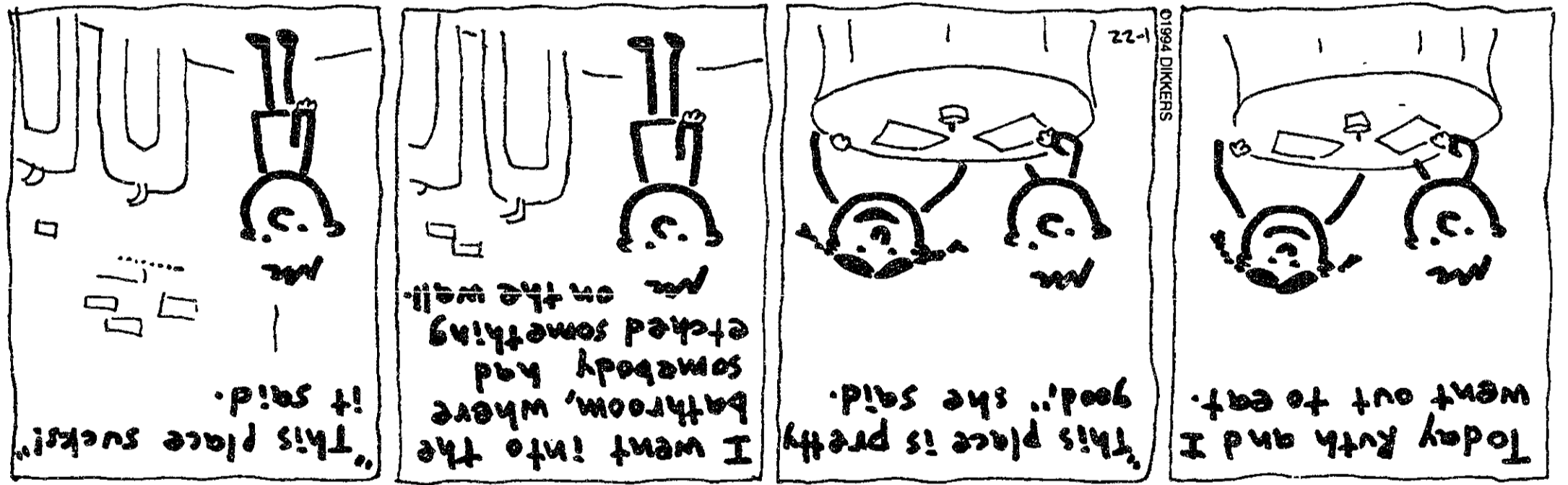
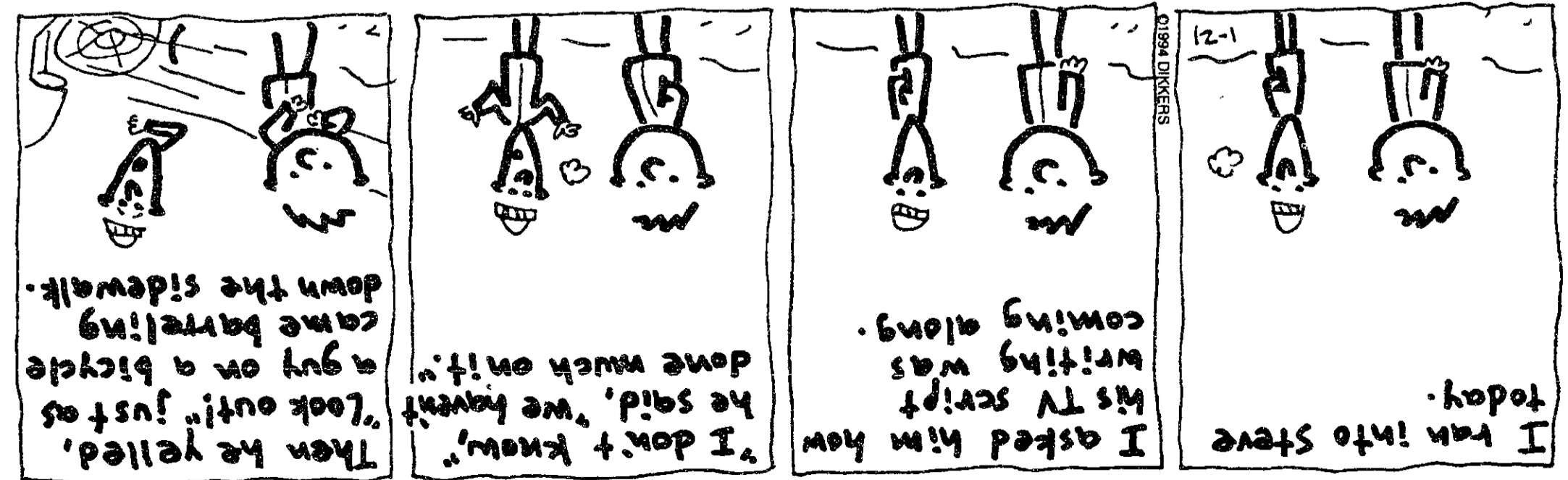
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Jim's Journal

by Jim



The School of Humanities and Social Science Congratulates THE 1994 BURCHARD SCHOLARS

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Undefeated Track and Field Looks to Williams Rematch

Track, from Page 16

inches, the feat seems quite possible for Robinson.

Another highlight of the field events was the performance of Andy Ugarov '95, who competed in the high jump, long jump, and triple jump, and performed some interesting rituals before making his jumps. In the high jump, he passed the first two heights, then cleared each height on his first attempt, until the bar was set at 2.04 meters (6 feet 8 inches). Clearing the height would qualify him for NCAA competition. He tried hard to gather his adrenaline and concentration, but endured the frustration of three near-misses.

Ugarov also finished second in the triple jump, leaping 42 feet 10 3/4 inches, and even led the long jump before being passed in a later flight. Among those who surpassed him were teammates Hung Hoang '96 and Morio Alexander '96, who finished second and third, respectively.

Among the throwers, John Wallberg '96 easily won the 35-pound weight throw, with a heave of 50 feet 6 inches. Winning by more than nine feet, Wallberg led throughout the competition. In the other weight event, the shot put, Wallberg finished fourth, missing third place by one-and-a-half inches.

Mile, 800-meter wins

On the track, the Engineers were off to a quick start, winning the first two events. Ethan Crain '95 won the first event, the mile run, in a time of 4:25.21 minutes. Crain later added a second-place finish in the 800-meter run. Jesse Darley '95, while not able to keep up with Crain's scorching pace, won the sprint for third place, posting a time of 4:28.58. Later on, in the 55-meter dash, Paul Ogagan '97 held off his opposition to win with a time of 7.95 seconds, the top

time by an MIT runner this season.

MIT had held the lead in team scoring most of the way, but trailed after the end of six events. At that point, Tufts had 82 points, while the Engineers trailed, with 80, with no other team in sight, since the two schools hoarded most of the top spots in each race.

The Engineers responded to the challenge by immediately regaining the lead, and then pulling away. For most of the meet, results in every race made a big difference. Coach Halston Taylor was worried that his team would have to win the two relay events, the finale of the meet.

Close finishes in 200, 5000 meter

Two individual races created some excitement: the 200-meter dash and the 5000-meter run. In the 200, the competition was held in four heats, and results were based on times. In the second heat, Marcello Targino '96 outprinted teammate Akin Aina '95 who had led most of the way. Even more impressive, was the fourth heat, where Matt Sandholm '96 ran with blazing speed to beat challengers who finished on his heels. Incidentally, Sandholm's time of 23.42 seconds edged two Tufts sprinters. The difference between first and third place was 0.10 seconds.

The 5000-meter run is a grueling test of nerves and endurance; on this day, Jesse Darley '95 prevailed over his opposition. The pace was rather slow, as the pack, led by Arnold Seto '96, stayed together for the first 15 of 25 laps. Seto took the lead with three laps to go, but fell behind soon afterwards. At that time, Darley took the fore and edged a Tufts runner in the final sprint. Seto came in third place.

After the race, the team standings were tabulated and revealed to Taylor that his team would not have to win the 4x400- and 4x800-meter

relays. Even so, spectators, including teammates finished with their own events, filled the area with the deafening noise of excitement.

In the first relay, Kevin Knoedler '94, Edgar Ngwenya '96, and Crain helped keep MIT in the lead that it would lose near the point where Crain passed the baton to Javit Drake '94. Drake fell behind, but pursued his Tufts opponent like a coyote chasing a roadrunner. However, he ended up losing the sprint, and finished second.

The second relay event was similarly exciting, especially since the Tufts cheering section did not know that MIT had already clinched the meet. Teams from Springfield and Tufts appeared to be faster and had better hand-offs than the Engineer foursome. At the time, there were cheers for both the race and for Robinson's efforts at the pole vaulting area.

Second chance at championship

After the meet, the team remained undefeated in the Quad Cup league. MIT and Williams College are both undefeated in the league and will square off for the title on Feb. 11, at Johnson Athletic Center. Obviously, the winner will remain undefeated and take home the championship. The situation is similar to last year, except that Williams ended up winning, handing the Engineers their only defeat of the season. Other schools that will be competing include Westfield State College, Worcester Polytechnic Institute, and Eastern Connecticut State University.

The team will head to Harvard University this weekend to compete in the Greater Boston Classic. The event features the area's top teams from Division I, II, and III schools including host Harvard, Boston University, Bentley College (Div. II), and Tufts.

Intense Teamwork Drowns Coast Guard

Women, from Page 16

tied for the lead in rebounds with six.

In the second half, the Academy continued to shoot poorly. A seemingly unimportant field goal by the Cadets at 17:21 to make the score 28-19 turned out to be very important as the Academy failed to score again until Tarah Bell made a field goal, more than nine minutes later.

In the meantime, MIT had scored 12 points to put the game out of reach with the score 40-21. The Engineers did this with a great coaching strategy by Head Coach Suzan Rowe, which had many of the starters in for the first five minutes. A whole new set of five, led by starting forward Doane, was brought into the game. The strategy confused the Cadets players. The game ended with a score of 59-30 as MIT worked simply to end the clock rather than to run up the score.

Both teams shot better in the second half than in the first. However, the Cadets still shot only 21 percent for the half to finish with a terrible 18 percent for the game. The Engineers shot a respectable 46 percent to finish the game at 42 percent. However, MIT continued to have problems at the line, shooting only 41 percent on free throws.

Two Engineer players finished in double figures. Doane had 15 points while Casserberg had 13. Ratliff and Casserberg each had 12 rebounds, while Boyle added nine. Porter led the team with three assists, and Boyle had the only two blocks MIT got in the game.

Head coach Rowe was extremely pleased with the team's performance, saying "Great team effort. Everybody played and played with intensity. [We] had two equal teams to keep intensity up."

On Thursday, MIT lost at Wellesley 80-44. This made the team 0-3 in New England Women's 8 Conference contests.

The Engineers play tonight at 7 p.m. at Rockwell Cage in a non-conference game against River College. They also play Thursday night, at Wheaton College.

Interested in basketball, baseball, football, soccer, gymnastics, crew, swimming, fencing, track, hockey, sailing, volleyball, tennis, etc.?

Write sports for *The Tech*:
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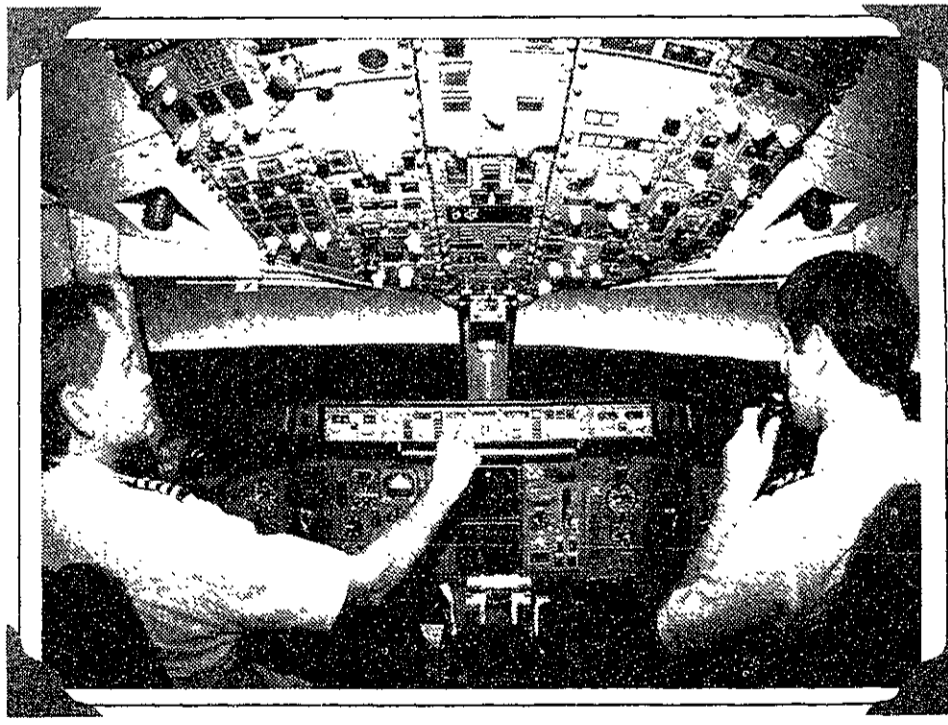
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SPORTS

Track and Field Stays Undefeated

By Daniel Wang
ASSOCIATE SPORTS EDITOR

The men's indoor track and field team improved its record to 15-0 by compiling the highest point total at a meet Saturday at Johnson Athletic Center. Teams from Amherst College, Fitchburg State College, Springfield College, University of Massachusetts - Dartmouth, and Tufts University were present.

In terms of team scoring, the meet had been quite close for MIT most of the meet, as Tufts provided some stiff competition. In the end, MIT prevailed, with a final score of 241, with minimal comfort over the 213 of Tufts. The final scores for the other schools were: Springfield 77, UMass-Dartmouth 38, Fitchburg State 21, and Amherst 13.

The Engineers, as always, showed some strong performances in the field events, displaying obvious signs of improvement. On the track infield, the highlight of the meet was the soaring of pole vaulter Matt Robinson '94. After beating most of the field after his first few vaults, he had only his limits to compete with. He was able to regroup from failed attempts to clear 15 feet 7 inches, and to qualify for the NCAA Division III National Championships. Robinson holds both the MIT indoor and outdoor pole vault records, but currently seeks the facility record of 16 feet 6 inches, set by Glenn Archer of Yale University in 1986. With his personal indoor record of 16 feet 3 1/2

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Women's Gymnastics Loses Despite Strong Performance

By Catherine Rocchio
WOMEN'S GYMNASTICS COACH

The MIT women's gymnastics team continues its season with excellent performances by Tasi Chiarenza '97 and Sheila Rocchio '97, as well as Janet Sollod '96. The team is still searching for its first win, however, as the season's first home meet on Jan. 22 against Division II Southern Connecticut State University turned up a loss with MIT scoring 153.35 to SCSU's 176.2.

Last Wednesday, MIT travelled to Brown University to compete in a tri-meet that included Division III rival Rhode Island College. Although the meet was very close, Brown won with a score of 164.5 to RIC's 159.45 and MIT's 153.4.

MIT's vaulting performance against SCSU was the team's best of the season. Sollod performed a handspring full-twist for a score of 8.6 while Chiarenza and Rocchio both performed double front-somer-

sault vaults for identical scores of 8.75 despite unsteady landings in both cases.

Uneven bars resulted in an elbow injury for Rocchio during the warm-up period, but the team pulled together as Co-captain Stephine DeWeese '95 completed her first no-fall routine and Sollod landed her 1 1/2 front somersault dismount for a score of 7.75. Chiarenza again proved that she is one of the powerhouses in the nation on uneven bars, scoring an 8.95 for a breathtaking routine with a perfect dismount and easily took first place overall on the event.

Balance beam was very steady for the Engineers as DeWeese and Erica Carmel '96 had strong routines with only one fall for respective scores of 6.7 and 6.8. Co-Captain Beth Chen '94 slipped twice but finished up confidently with soaring leaps and flexible jumps for a score of 7.4. Sollod had an elegant routine, landing a back handspring and

difficult twisting jumps for her personal best score of 8.65 and third place overall on the event. Chiarenza had her first "no falls" routine of the season and executed two back handsprings, a back tuck, and a 1 1/2 twisting dismount for a score of 8.55. Rocchio, with elbow iced and taped, managed to stick her back handspring layout, the most difficult skill performed on the beam in the meet, but fell on a side straddle leap, yet earning an 8.3 despite the fall.

Floor exercise highlighted the best overall team event performance in MIT gymnastics history with Kim Cornwell '94's energetic dance and Carmel's clean tumbling earning them scores of 6.85 and 7.25. DeWeese had her most graceful showing for a score of 7.95, while Chiarenza and Sollod both earned scores of 8.9 for tumbling passes of full-twisting somersaults and flaw-

Gymnastics, Page 13

Women Outshoot Coast Guard With Balanced Scoring Attack

By Thomas Kettler.
STAFF REPORTER

Aided by a very poor shooting performance by the Coast Guard Academy and a balanced scoring attack, the Engineers beat the Cadets in women's basketball on Saturday, 59-30. A crowd of 109 people at Rockwell was in attendance at Rockwell Cage. The record for the women is now 5-9 overall.

In the first half, MIT kept Coast Guard scoreless for the first six minutes, who finally scored with 13:55

left in the half on a three-pointer by Tarah Bell to make the score 7-3. However, the Engineers then kept the Cadets scoreless again until 9:47 when Sarah Swinney made a field goal to make the score 14-5. After that, Coast Guard came to within two with 2:22 left in the game as Nell Stamper made two free throws for a score of 16-14. However, they would never get any closer as MIT finished the half with a 8-1 run ended by a field goal by center Kristen Ratliff '95 to enter the halftime

break at 24-15.

Neither team shot very well from the floor in the first half. While the Engineers shot a low 37 percent from the floor, the Cadets were even worse, with 14 percent shooting. The scoring was balanced as forward C.J. Doane '95 led the team with nine, while guard Tammy Porter '94 had seven and Ratliff, five. Forward Mari Casserberg '94, forward Jen Boyle '96, and Ratliff

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Men's Hoops Loses In Bisons' Revenge

By Daniel Wang
ASSOCIATE SPORTS EDITOR

Last October, the headline of the article of the football game against Nichols College ("Beavers Buffalo Bisons," Oct. 26) was one of the best, if not the best, sports headline of 1993. When the Nichols basketball team came to Rockwell Cage Saturday afternoon, many were hoping for a repeat result. Unfortunately, that was not the case, but rather, almost the opposite.

In basketball, nine points is on the verge of entitling this article, "Bisons Buffalo Beavers." That was the margin of victory, as Nichols College defeated MIT, 82-73. The Bisons were ahead almost the entire game, and the Engineers/Beavers never came close, especially after the 43-32 deficit at halftime.

The figures were quite unusual in this game. The Engineers shot a low 32 percent from the field, and 27 percent from the three-point line, both of which Nichols beat percentage-wise. The biggest surprise was shooting from the free-throw line: the Engineers made 72 percent of its shots, including 81 percent (13 of 16) in the first half. The team had previously been struggling around

60 percent in the past.

Three players scored in double figures in this game. Tim Porter '96, who filled in for the absence of injured starting point guard Nikki Caruthers '95, led the team with 24 points, including four three-point field goals and perfect shooting from the free throw. Center Keith Whalen '96, followed with 16, and forward Joe Levesque added 14 points to the losing effort.

Interestingly, Whalen and his substitute Mark Heffernan '95 did not foul out of the game, as had been the case a number of times in the past. The only MIT player to foul out was Randy Hyun '95, who committed his fifth with two seconds left in the game. Hyun, who has been playing sub-par lately, especially from three-point land, had not even come close to fouling out in previous games. On this day, he scored only five points. Two games ago, he scored 17.

The crowds have also been increasingly larger than in past games. The attendance of 173 spectators is close to that of the last game, but noticeably greater than in

Men, Page 13

Four MIT Crews Dominate In Miami Invitational Regatta

By Roger Crosley
SPORTS INFORMATION DIRECTOR

Four MIT crews triumphed recently in the Fifth Annual Miami Beach Invitational Regatta. The men's freshmen heavyweight boat won its competition by the largest margin of the day, while the women's varsity, junior varsity and novice

crews also defeated crews from the University of Miami.

Following the event, MIT Director of Crew and Freshmen Heavyweight Coach Stu Schmill and MIT Heavyweight Varsity Coach Gordon Hamilton were awarded keys to the City of Plantation, Fla., for their contributions to both rowing and the fellowship between the cities of Cambridge and Plantation.

Sports Shorts



The men's varsity hockey team defeats University of Pennsylvania, 6-1. All goals but one were scored on power plays. Left: Nick Pearce '94 advances the puck as Michael Charney G looks on. Right: Recovering the puck from the opposition, Michael Charney G skates back towards the goal.

THOMAS R. KARLO—THE TECH