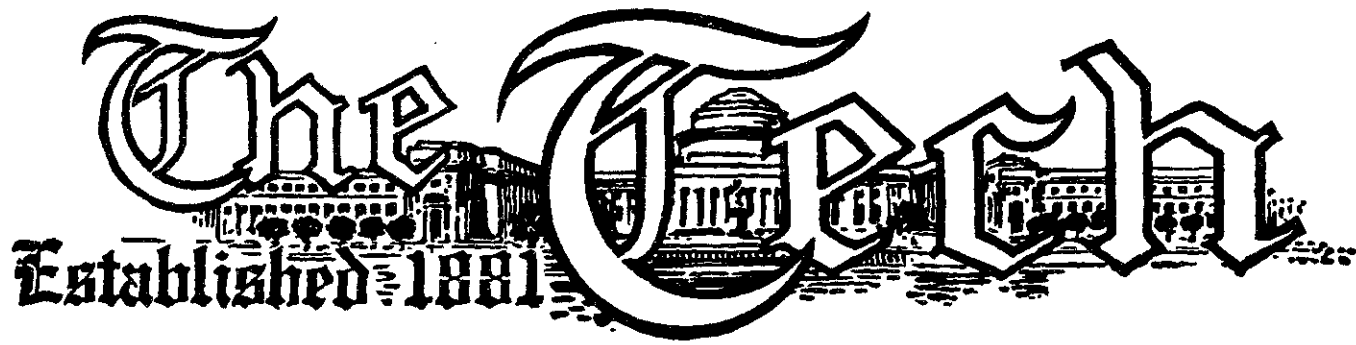


Iraqi Cease-Fire Offer Gets Cool Response, Page 2

MIT's
Oldest and Largest
Newspaper

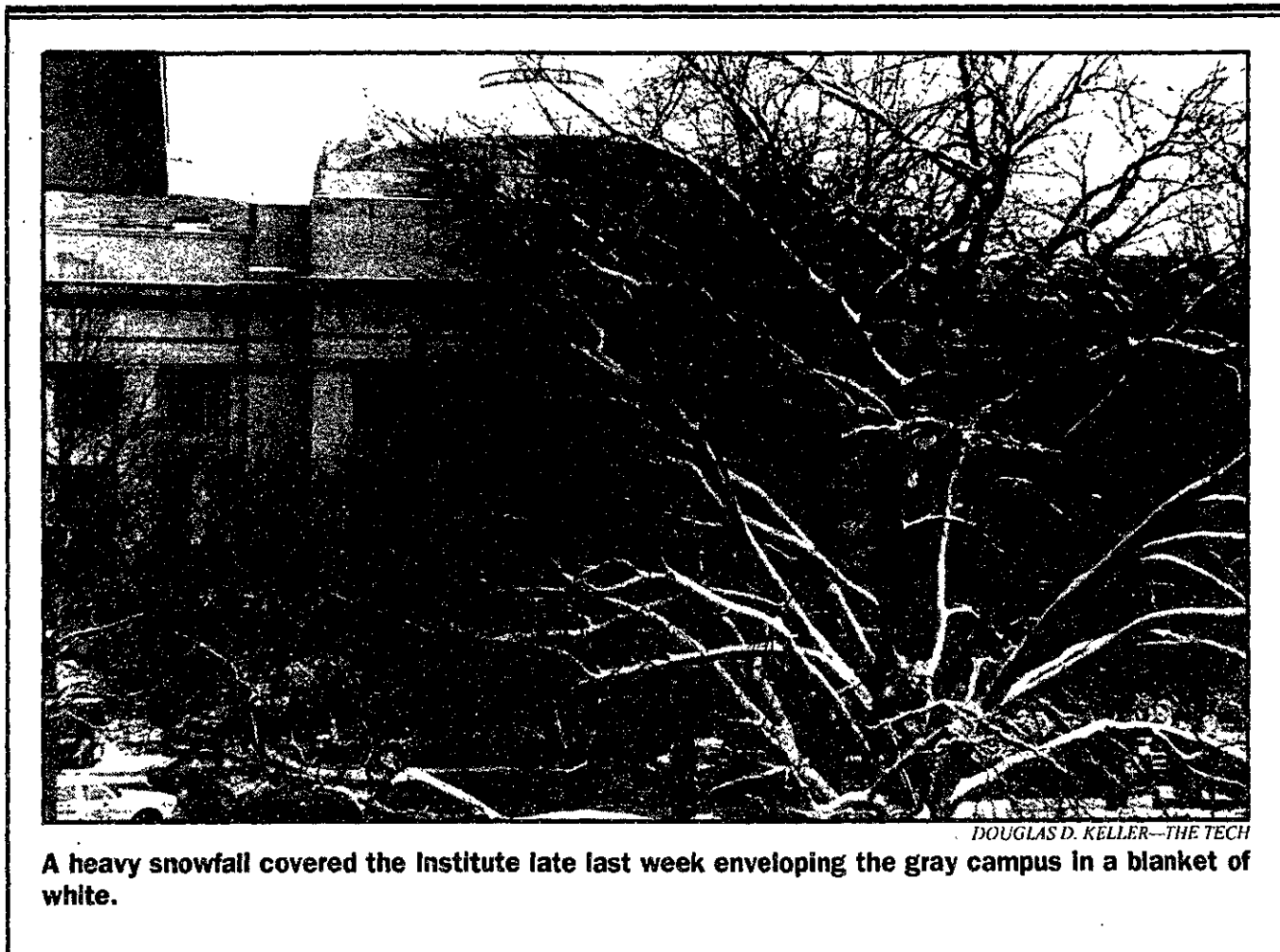


The Weather
Today: Mostly sunny, 40°F (5°C)
Tonight: Clear, 25°F (-4°C)
Tomorrow: Partly sunny, 42°F (6°C)
Details, Page 2

Volume 112, Number 66

Cambridge, Massachusetts 02139

Wednesday, January 20, 1993



A heavy snowfall covered the Institute late last week enveloping the gray campus in a blanket of white. DOUGLAS D. KELLER—THE TECH

Institute Faces Belt-Tightening

By Jeremy Hylton
CONTRIBUTING EDITOR

Faced with the prospect of a \$20 million gap in the Institute's operating budget by fiscal year 1996, President Charles M. Vest and Provost Mark S. Wrighton have initiated efforts to cut costs throughout the Institute and find new sources of revenue.

In a Jan. 8 letter to the MIT community, Vest described the budget gap as "a serious problem regarding MIT's finances. ... one that is growing rapidly."

Wrighton detailed the current status of MIT's finances and efforts to improve them in an article in Tuesday's *Faculty Newsletter*. "MIT's underlying financial health is good, but we do face some problems," he wrote.

Both Vest and Wrighton were unavailable for comment this week.

The poor financial prognosis is based on concerns that MIT will continue to face budget deficits through at least 1997. In fiscal year 1992, which ended June 30, the Institute posted a \$6.3 million deficit after spending nearly \$7 million in gift funds to cover expenses.

MIT has spent more than \$50 million in unrestricted gifts to meet budget deficits over the last four years; in the past, these gifts have been added to the endowment.

Expenses should continue to outpace revenues next year, according to Wrighton, resulting in a \$16 million gap.

To combat the growing deficit

Deficit, Page 11

MIT Honors King at Birthday Celebration

By Kevin S. Subramanya

William H. Gray III, president of the United Negro College Fund and the first black whip of the U.S. House of Representatives, addressed about 1,500 people in Kresge Auditorium on Friday, Jan. 15 as part of MIT's celebration of the 64th birthday of Martin Luther King, Jr.

The theme for the Institute's 19th annual celebration of King's birthday was "Where do we go from here: Chaos or Community?" the title of King's last book.

The day's events began at 11:45 a.m. with a four-abreast symbolic march across Massachusetts Avenue to Kresge.

After being introduced by MIT President Charles M. Vest, Gray reminded members of the MIT community of King's symbolic non-violent revolution, which brought an end to segregation and changed this country forever. He said that soon after Rosa Parks was arrested for refusing to relinquish her bus seat to a white man, King became involved in the civil rights movement, which ultimately led to desegregation.

Gray added that before King became involved in the civil rights

movement, blacks could not ride on buses, vote, or go to college. It was King's non-violent revolution, Gray noted, that made it possible for blacks to have these rights. Though blacks in America have "come a long way," Gray said there is still chaos, bigotry, and hatred in America that has to be dealt with.

As president of the United Negro College Fund, Gray works to provide Afro-Americans with an excellent preparation in every possible field of education, and he spoke on the importance of education. "First remember to achieve educational excellence. Second, do not just take care of yourselves, but also take care of the human community. Third, have a sense of tolerance, sensitivity, and brotherhood to overcome prejudice of all kinds. And fourth, never rest from the fight for

King, Page 11

3 Dorms May Get Card-Key System

By Hyun Soo Kim
ASSOCIATE NEWS EDITOR

Magnetic card-key readers will be placed on the main entrances of MacGregor House, Next House, and possibly Baker House by the first week of February as a preliminary experiment, according to Lawrence E. Maguire, director of housing and food services.

"It's going to begin as a tentative experiment within three weeks. We will begin to wire and put [card-key readers] on the doors. We will probably keep the key system too, for a while," Maguire said.

The card-key readers will initially be placed on the exterior doors of each of the houses. Currently, residents access MacGregor's nine outside entry doors with a metal key. Similarly, at both Next and Baker Houses, residents open the one main entrance with a metal door key.

The card system will be tried at MacGregor and Next House first, then possibly at Baker House. Residents of the three dorms will

receive a card with a magnetic strip that can be used as an ID card, meal card, and access card. The MIT Card that is currently being distributed to MIT employees may be adapted for use as a complete student card encompassing all these functions.

"New cards will be issued that will provide access and food services. We will try using the MIT Card for the houses. [Students] will use this card as a meal card and access card. The end goal is to have one card, with ID pictures for everyone. Now it is a charge card for employees, but it has the capacity to be used for access and as a meal card," Maguire said.

One card will be able to access all nine outside doors at MacGregor. "Whether to open the dorm during certain hours to all card-carriers, or

to just restrict it to residents... we need to work these ideas out with the residents," Maguire said.

According to Maguire, the card-key system will enhance security in the dormitories. "Eventually the card system will replace keys. The goal is to provide better security. Keys tend to duplicate themselves, but it's a little harder to duplicate cards," Maguire said. "It's a timely thing to do. Other schools are doing it. It will upgrade security."

Maguire estimated that it would cost \$140,000 per house to add card-key readers and change the locks on perimeter doors.

He also said that the new equipment would not eliminate the need for desk workers. In fact, he said, they will become even more neces-

Readers, Page 11

Paul R. Lowthers

Paul R. Lowthers, an 18-year veteran of the Campus Police, died last Wednesday in Union Hospital in Lynn after suffering a heart attack at home. He was 60.

Campus Police Chief Anne P. Glavin said Lowthers "had a great sense of what MIT was about. He was a real pleasant guy who was well known in the community, and we're all going to miss him."

Glavin said Campus Police officers participated heavily in Lowthers's funeral. A cruiser led the funeral procession, and officers served both in an honor guard and as pallbearers, she said.

Lowthers was born in Medford and graduated from Medford High School before joining the Air Force during the Korean war. He served in Japan and reached the rank of airman first class. He received the Korean Service Medal, the United Nations Service Medal, a Japan Occupation Medal, and a Good Conduct Medal.

After leaving the Air Force, Lowthers joined the North Dakota State Police, where he served for 17 years.

He then returned to Massachusetts, living in Medford and Revere before settling in Lynn eight years ago.

Lowthers is survived by two sons, Gregory of Denver and Michael of Prior Lake, Minn.; two daughters, Susan Leary of Kent, Wash., and Mary Jo Border of Bismarck, N.D.; three brothers, Walter L. of Revere, Bruce F. of North Reading, and Dennis J. of Medford; two sisters, Joyce Bergen of Medford and Brenda S. Neary of Georgetown; three grandchildren; 31 nieces and nephews; and his close friend Jane Walsh of Lynn.



Lloyd Johnston G prepares to clear the puck from goalie John Simmons '95 during the Engineers 7-6 overtime loss to Wentworth Institute of Technology last Tuesday

INSIDE

■ Tam becomes newest 'Grand Integrator'

Page 9

■ Jesus Jones's *Perverse* may give new direction to techno.

Page 6

■ Moodswings's debut explores emotional resonances.

Page 6

WORLD & NATION

Israeli Parliament Votes To Legitimize PLO Contacts

THE WASHINGTON POST

JERUSALEM

Israel's parliament voted Tuesday night to legitimize contacts with the Palestine Liberation Organization, which had long been labeled a "terrorist organization" under Israeli law.

The Knesset voted 39-20 to revise a 1986 law that had been used to prosecute Israeli peace activist Abie Nathan, among others, for meetings with senior PLO officials.

Reflecting the politically sensitive nature of the vote, however, slightly less than half of the 120-member Knesset was present for the roll call.

The vote does not mean that Israel will open talks with PLO Chairman Yasser Arafat immediately. Israeli Prime Minister Yitzhak Rabin has cautioned other nations that by changing the law, Israel does not want to signal a willingness to begin such negotiations.

But some Israeli politicians have said the need to revise the law has grown more urgent since Rabin ordered the deportation of more than 400 suspected activists in Islamic fundamentalist groups, which reject the peace talks with Israel.

Arafat has supported the peace talks with Israel on self-rule for Palestinians in Israeli-occupied territories. From the PLO's headquarters in Tunis, he has provided direction for the Palestinian delegation in the initial sessions.

Israeli leftists have said in recent weeks that opening direct talks with the PLO is the logical next step. They suggested that an agreement on Palestinian autonomy with the secular nationalists in the PLO would be better than a long standoff with the fundamentalists, who reject the very existence of Israel and seek to create an Islamic state in its place. A recent survey showed that a majority of Knesset members in Rabin's Labor Party favored opening talks with the PLO.

Another sign of the changing times in Israel was the recent nomination of the dovish Ezer Weizman as Labor's candidate for president. When Weizman's contacts with the PLO were disclosed several years ago, he was pushed out of then-prime minister Yitzhak Shamir's inner cabinet and accused of collaborating with Israel's enemies.

Nonetheless, the issue of talking with Arafat remains politically explosive in Israel, where the PLO has long been identified with terrorism. Israeli security sources contend that the mainstream Fatah faction of the PLO, and small cells or gangs associated with it, are responsible for the majority of violent attacks on Israeli targets.

The Rabin government, following a campaign promise, stopped enforcing the old law against contacts with the PLO after taking office in July. Palestinian negotiators now meet routinely with PLO officials in Tunis without fear of prosecution, which had been threatened earlier. Four members of the Knesset have also met recently with PLO figures including Arafat, and the Knesset decided not to revoke their parliamentary immunity for doing so.

Rights Abuse by Serbs Is Worst 'Since Nazi Times,' U.S. Says

NEWSDAY

The State Department Tuesday accused Serbian forces in Bosnia-Herzegovina of abusing human rights "on a scale that dwarfs anything seen in Europe since Nazi times."

The assessment was contained in the department's annual human rights report to Congress. Though the report is critical of countries and ethnic groups around the world, including others involved in the Balkan conflict, it contains some of the harshest language ever employed in the 17-year history of the report in describing the cruelty practiced by Serbs upon Bosnian Muslims.

Though the department's comments were forceful, the report did not accuse the Serbs of practicing genocide, a legal term that invokes an international genocide treaty.

It did say that Bosnia has fallen victim to some of the worst human rights abuses the world has seen in 50 years. While Croats and, to a much lesser extent, Muslims bear some responsibility, the department said, their actions "pale in comparison to the sheer scale and calculated cruelty of the killings and other abuses" committed by Serbs.

"In Serb-run camps, many prisoners were subjected to the most brutal forms of torture and murder their captors could devise," the report said, including deliberate disfigurement, removal of body parts, beatings, torture, rape and forced labor.

The policy the Serbs call "ethnic cleansing," which involves the forced removal of Muslims and Croats from Bosnian territory desired by the Serbs, came in for particular condemnation in the report. Hundreds of thousands of people have been affected, the State Department said, either through forced transfers, imprisonment or outright murder.

WEATHER

Big Chill to End

By Michael Morgan
STAFF METEOROLOGIST

High pressure will slowly move east the next few days—providing bright sunny skies and slowly moderating temperatures. Later in the week a cyclone will approach from the southwest. Rain and rain showers from this cyclone will move into the area on Friday. Clearing, cooler weather is anticipated for Saturday. Another cyclone may give us rain or snow by Monday.

Today: Mostly sunny and cold. High 35-40°F (2-5 °C).

Tonight: Clear and cold. Low 20-25°F (-7 to -4 °C).

Tomorrow: Partly sunny and milder. High 39-42°F (4-6 °C). Low 25°F (-4 °C)

Friday: Clouding up with rain arriving. High 36-40°F (2-4 °C). Low 30-35°F (-1 to 2 °C).

U.S. Remains Skeptical Of Iraqi Cease-Fire Offer

By Susan Sachs

NEWSDAY

Iraq switched gears Tuesday on the eve of Bill Clinton's inauguration and offered what it called a cease-fire in hostilities with the United States as a "goodwill gesture" to the new president.

The Revolution Command Council, under the chairmanship of President Saddam Hussein, said that Iraqi anti-aircraft batteries would stop firing on American, French and British planes as of midnight EST Tuesday "unless the other side opens fire."

The overture drew a frosty reaction in Washington, from both outgoing and incoming administrations.

"We will judge Iraq by its actions, not its words," the State Department said in a written reply. "Based on Iraq's past record, we will adopt a wait-and-see attitude."

Clinton spokesman George Stephanopoulos said: "We expect full compliance with all the requirements of the U.N. (gulf war cease-fire) resolutions ... What we need to do now is see Iraq change its behavior."

But at U.N. headquarters in New York, news of the offer and a separate decision, to let the U.N. weapons inspectors come in without preconditions, were received with relief.

"I think they got the message,"

said the Russian ambassador, Yuli Vorontsov, as he emerged from a private meeting of the five permanent members of the Security Council. "It was a long, long time we have been waiting for that reply. They could have spared (everyone) a lot of problems." Similar opinions were voiced by the British delegate, Sir David Hannay, and the Chinese ambassador, Li Daoyu.

As for the inspection mechanism, Vorontsov said that a letter from Iraq to the United Nations "was sufficient to start or restart operations."

Rolf Ekeus, who heads a special U.N. commission responsible for destroying Iraq's weapons arsenal, briefed the council, then told reporters that his commission was satisfied with Iraq's aboutface. "We hope this is the final chapter in this sad story and we can get back to business," he said.

The Iraqi council said that its offer was "meant to give time to the new administration to establish a constructive dialogue."

Baghdad particularly wants an end to the air-exclusion zones in the north and south of the country, established by the United States and its allies, and an end to the hard-hitting U.N. economic sanctions imposed after the Iraqi invasion of Kuwait in August 1990 — as well

as re-examination of other terms of the cease-fire that ended the gulf war.

The turnaround may mean more here than in the United States, where Iraq's strategy over the past week — denouncing the outgoing American president and embracing the new one — apparently has made little impression.

Iraqi officials repeatedly have said that they consider George Bush a "criminal" and a "devil," but hope for good relations with Clinton. Clinton has said that U.S. policy toward Iraq would not change under his administration.

For three days, Iraqi military sources reported that their artillery has fired on allied jets in the northern and southern no-fly zones, set up to enforce U.N. resolutions that ended the gulf war but rejected by Iraq as violations of its sovereignty. They also said that Iraqi aircraft have flown to meet and chase allied planes, "forcing them to flee."

But the Iraqi challenge has brought fierce reaction. Allied ships and warplanes have fired missiles and dropped bombs, targeting military installations and anti-aircraft batteries but also inflicting what the Pentagon calls "collateral damage."

Iraq said that 46 people, most of them civilians, have died in the U.S. attacks.

FBI Director Sessions Accused Of 'Overwhelming' Improprieties

By Sharon LaFraniere

THE WASHINGTON POST

WASHINGTON

Attorney General William P. Barr told FBI Director William S. Sessions last Friday that the evidence that he regularly abused FBI resources is "overwhelming" and inexcusable, according to a letter of reprimand released Tuesday.

Barr, who resigned as attorney general only hours after reprimanding Sessions, based his conclusions on a 161-page report by the Justice Department's ethics office that alleges Sessions routinely elevated his personal desires or those of his wife Alice over bureau regulations or concerns.

According to the report by the Office of Professional Responsibility (OPR), also released Tuesday, Sessions misused FBI aircraft, cars, personnel and funds. In addition, OPR found the FBI director took a phony tax exemption and refused to cooperate with an investigation into allegations that the terms on his home mortgage represented a "sweetheart deal."

The probers attributed the infractions to Sessions's "very poor judgment," "disdain for FBI procedures" and unwillingness to keep his wife out of FBI business. "The Director permitted his wife to perform a role in bureau management and affairs that was entirely inappropriate," the report says.

The report was released to Sessions Tuesday morning and made public in mid-afternoon. In a hastily prepared statement, Sessions said he was left with no time "to point out the numerous errors in fact and mistaken conclusions."

"This process has been conducted throughout without the barest elements of fairness, and marked by press leaks calculated to defame me," he said. "I have conducted myself in accordance with the law and with uncompromised ethical standards."

Whether OPR's findings and

Barr's rebuke will cost the former federal judge his job remained uncertain Tuesday. Sessions, who is midway through a 10-year term, has many friends in Congress and has vowed to fight to keep his post.

Deputy Director Floyd I. Clarke said that, while he had not yet read the report and could not comment on it, Sessions "deserves credit" for a number of FBI initiatives.

The OPR, whose findings were embraced fully by Barr, cited nine ethical violations, including Sessions's out-of-town travel. The report alleges Sessions bumped security agents off FBI planes, forcing them to fly commercially so his wife could accompany him at government expense. FBI aircraft were also diverted to pick up Alice Sessions in other cities, the report said.

Barr's letter said Sessions first planned holidays in San Francisco and other cities. Then, to justify the government's expense, he "arranged isolated functions of trivial value, such as a breakfast meeting with a handful of local businessmen," Barr said.

Alice Sessions showed up uninvited at one official breakfast in San Francisco, and later told an FBI agent she had to attend so the government would cover the cost of the trip, according to Barr's letter.

OPR investigators cited the same pattern of abuse of FBI vehicles and security agents. FBI cars were employed to take Alice Sessions to get her nails done, to shop and to pick up firewood, the report said.

"The director uses the security detail more as an 'escort service' than for security," the report said.

By inviting unauthorized individuals to ride in his car — including two dancers from the Soviet Union — Sessions violated FBI regulations that cost many agents 30 days without pay, OPR found. One agent, for example, was disciplined for stopping on his way to work to pick up his son, whose car had bro-

ken down along the agent's route, the report said.

Barr's letter said he would consider it "petty" to criticize Sessions for "one or two lapses of judgment" in the use of FBI cars, planes or security personnel, but said he could not countenance "a clear pattern of your taking advantage of the government."

Sessions, in his statement, said the bureau's legal officer, Joseph Davis, reviewed every out-of-town trip in advance, although OPR said Davis did not have enough information to say whether the trips were personal or official. Sessions said administrative employees reviewed his travel vouchers after trips.

"I have always followed, and never tried to thwart, the bureau's procedures for air travel," he said.

Sessions's use of FBI funds to pay for a privacy fence around his home illustrates how willing he is to override even the No. 2 FBI official to accommodate his wife, the report said. Although Alice Sessions wanted a wooden privacy fence, Clarke agreed with other top FBI officials that only an iron picket fence would improve security and constitute a legitimate FBI expense.

At a FBI meeting to resolve the fence dispute, Sessions walked out, leaving Clarke and other top bureau officials to carry on the discussion with his wife, the report said. Over the objections of the bureau's top management, the FBI eventually erected and paid for a \$10,000 fence that only impaired the quality of Sessions' security, according to the report.

One FBI official, unbeknownst to Sessions, created a false procurement file showing that the FBI had solicited three bids for the fence. A probe of that official is continuing, the report said.

Sessions, whom Barr ordered to pay for the fence, said its purchase "was reviewed and approved through appropriate FBI procedures."

IBM's \$5 Billion Loss Highest In American Corporate History

By John Burgess
THE WASHINGTON POST

Disclosing new details of a tailspin it has not been able to arrest, IBM said Tuesday that it lost \$5 billion in 1992, more than any U.S. company has ever lost in a single year.

The company that once ranked with America's most unshakable employers and Wall Street performers left little hope its fortunes would turn around soon. In a statement, Chairman John Akers warned that "difficult problems remain ahead."

IBM, which employs 300,000 people worldwide, is struggling to contract its work force, find new products and fend off competitors that for years it did not take seriously.

Its problems have been compounded by worldwide recession in recent months. Tuesday, it said that sales of its machines had declined 20 percent in the October-December quarter.

IBM's loss for 1992 eclipsed the \$4.45 billion record loss that General Motors Corp., another industrial giant fallen on hard times, had set the previous year.

"It's very ugly," said First Boston Corp. analyst Curt Rohman of IBM's plight.

For the October-December quarter, IBM lost \$5.5 billion. Most of that loss was from special multibillion-dollar deductions taken to finance early retirements, production-line shutdowns and other steps in its restructuring program.

But significantly, IBM also said

its lost \$45 million on day-to-day operations in the quarter, the first time that revenues have failed to cover operating expenses.

For the year, the Armonk, N. Y.-based company, known formally as International Business Machines Corp., lost \$4.97 billion on sales of \$64.5 billion. That compared to a loss of \$2.86 billion in 1991, when sales were slightly higher.

IBM executives have blamed the recent acceleration of their company's decline on collapsing sales in Europe and Japan as recession takes hold there. IBM Deutschland, its German subsidiary, said Tuesday that it would post its first loss in 1992.

IBM's long-term decline, analysts said, is due not to market quirks but its failure to keep up with one of the world's fastest-changing industries. As competition heightened and customers switched to small, desk-top units, IBM continued to maintain huge bureaucracies and rely for profits on sales of big systems.

Akers said the financial results "were not acceptable to us or our shareholders. We are taking aggressive actions to improve our competitiveness and profitability by addressing the accelerating changes that are sweeping throughout the world."

But he added that the company still faces "the continued pace of change in our industry and weak worldwide business environments. Nevertheless, we are confident that we are on the right path."

Wall Street's response was muted. In the day's trading, IBM stock fell by only \$1.12, closing at \$48.37. Analysts attributed the subdued response to the fact that IBM had let out most of the bad news in December.

"Everything is as bad as advertised," said David Wu, computer analyst at S.G. Warburg. "... The shock was last month." IBM stock was trading in the mid-60s then, and quickly lost more than \$10 a share.

In December, Akers said IBM was suffering larger-than-expected losses and would cut its work force by another 25,000 in 1993 to reach the 275,000 range. Executives said Washington area operations, which focuses on still healthy federal business, should feel minimal impact, however.

At its peak in the mid-1980s, about 400,000 people worked for the firm, many of them feeling it was a lifetime commitment.

IBM said sales of its core product line, huge mainframe computers used by large institutions such as banks and government agencies, declined by 12 percent in the October-December quarter. But, noted Bill Milton, an IBM watcher at investment banking firm Brown Brothers Harriman, "the weakness extended well beyond mainframes."

Sales of its mid-sized AS/400 machines, normally a rare bright spot in the company's product line, were down, as was software. Services revenues grew at 17 percent, a lower rate than in past quarters.

Rebel Serb Leaders Debate Whether to Accept Settlement

LOS ANGELES TIMES

PALE, BOSNIA-HERZEGOVINA

Under threat of Western intervention if they continue to wage war, leaders of Bosnia's rebel Serbs debated Tuesday whether to accept a negotiated settlement of the conflict or to fight on for their dream of a Greater Serbia.

During an all-night debate, a collection of rebel gunmen and former Communist Party functionaries who comprise the self-styled "Parliament" spoke derisively of a Western-mediated peace plan aiming to restore the territorial integrity of this ravaged republic.

Many interpreted the loose plan crafted in Geneva as offering de facto recognition to the Serbian Republic, which they have proclaimed in the two-thirds of Bosnia they have conquered and occupied.

"The plan does not close the door on a union of Serb states in the future," Deputy Foreign Minister Todor Dutina said, in defiance of the principles outlined by mediators Cyrus Vance of the United Nations and Lord Owen of the 12-nation European Community.

The agreement, already endorsed by Muslim and Croatian leaders, calls for the former Yugoslav republic to be divided into 10 semi-autonomous provinces under a multi-ethnic leadership in Sarajevo. But it makes clear that Bosnia's three ethnic communities — Slavic Muslims, Serbs and Croats — must continue to live in a unified state. "The plan is a little like the Koran, it can be interpreted in many ways," Dutina argued. But the mediators have said that they would accept no equivocation from the Serbs.

Vance and Owen have said that, if the four-month-old Geneva talks break down as a result of obstinacy by any one party, they would name that side before the U.N. Security Council.

The Security Council could then be expected to consider stronger measures, including complete isolation of Serbia and Montenegro — the only two republics still bound within Yugoslavia — or military intervention to break the Serbian siege of Sarajevo and other cities.

Tajiks Flee Civil War, Find Misery

THE WASHINGTON POST

MAZAR-E SHARIF, AFGHANISTAN

Guidasta Khodydad's nightmare began, she said, with the late-night pounding on her door and the shouts of neighbors warning her family to escape before rampaging communist troops reached their village in southern Tajikistan.

Khodydad, her husband and six children joined a flood of Tajiks fleeing the soldiers. Weeks later, they reached the banks of the Amu Darya River, which separates the former Soviet republic from north-eastern Afghanistan. Under fire from border troops, the exhausted families leapt into the swift currents in a desperate attempt to reach safety on the opposite shore in Afghanistan.

Khodydad struggled to help her children across the river. But a bullet struck her 22-year-old son, she said, and he disappeared in the roily water and was quickly swept away. As she watched in horror, the current also snatched babies from the arms of other mothers.

Camped here on the bitterly cold, windswept plain of north-central Afghanistan, Khodydad is one of more than 60,000 Tajiks who have fled a nine-month civil war in Tajikistan. The Tajik civil war, on what once was the southern edge of the Soviet Union, reportedly has killed thousands of Tajiks and turned more than a half-million into refugees. It also has gone virtually unnoticed by the outside world.

But in fleeing to Afghanistan, a nation devastated by its own 14-year civil war, the Tajik refugees appear to have traded one nightmare for another. Tens of thousands are camping under lightweight tents or burrowed into dugouts on the plains here, where icy winds plunge temperatures to 15 degrees below zero.

The Tajik civil war has intensified dramatically since hard-line communist forces ousted a coalition government of moderate communists and opposition groups in September. In October, according to refugees and Western officials monitoring the conflict, the communist military began attacks against supporters of the various opposition groups, including villagers seen as sympathetic to the relatively broad-based, anti-communist Islamic Renaissance Party.

Supreme Court Rules in Assault Case

THE WASHINGTON POST

WASHINGTON

One case began after two high school girls in suburban Philadelphia said male classmates forced them to engage in sex acts during a graphic arts class. The assaults occurred nearby, and the teacher apparently did little to stop the incidents.

The girls, one of whom is deaf, sued the Middle Bucks Area Vocational Technical School, the teacher and other school officials, saying they had a constitutional duty to protect students from being sexually abused by fellow students.

But Tuesday the Supreme Court let stand a lower court ruling that said the students had no grounds for a federal complaint.

In a separate order, however, the court also left alone a ruling that said a Texas student had a constitutional right to be free from sexual molestation by a teacher. The second case, *Caplinger v. Doe*, arose from a biology teacher's seduction of a 14-year-old student.

The difference in the disputes turned largely on who actually was responsible for the molestation. The apparent conclusion is that only when a school official himself engages in wrongdoing may students sue administrators in federal court.

Students in both cases sued under a federal law that allows redress for constitutional violations by government officials.

In the Texas lawsuit, teacher-coach Lynn Stroud initiated an affair with a female student. Court documents say Stroud kissed and touched the girl during class and engaged in sexual intercourse with her in the school fieldhouse.

Stroud pleaded guilty to criminal charges connected to the incidents, which began in late 1986, and the student sued the school district and administrators for money damages.

Affirming a district court's refusal to dismiss the case, the U.S. Court of Appeals for the 5th Circuit said public school students have a constitutional right under the due process and equal protection clauses of the 14th Amendment to be free from sexual molestation by a teacher.

Committee Grills AG-Designate About Illegal Hiring of Aliens

By Lyle Denniston
THE BALTIMORE SUN

Attorney General-designate Zoe Baird, visibly shaken at times by aggressive questions at her Senate confirmation hearing, portrayed herself Tuesday as "repentant" and fully aware that she broke the law by hiring illegal aliens as a baby-sitter and a driver.

Members of the Senate Judiciary Committee, having received a flood of negative complaints from their constituents about Baird, turned an expected celebration of her nomination as the first woman ever chosen to head the Department of Justice into a day of implied accusation over the illegal aliens.

The senators focused mainly on the immigration law violation in hiring the aliens when they had no legal papers, leading to a \$2,900 fine. A few committee members, however, also mentioned the failure to pay

employment taxes for the aliens until Baird was in line for a high post in the Clinton administration.

Senators, Baird's advisers in the new Clinton administration and private lobbyists appeared to agree late in the day that her nomination had not been put in serious jeopardy but that getting final Senate approval may take longer and be more labored than had been expected.

Only a few of the day's questions tested her views on major legal and constitutional issues, as senators returned repeatedly to the hiring of a Peruvian couple in 1990 to take care of the infant son of Baird and her husband, Yale law professor Paul Gewirtz.

In a strange turnabout, the Democratic nominee seemed to be struggling at times to hold the expected unanimous support of the Democrats on the panel yet gaining some of the most enthusiastic en-

dorsements from some committee Republicans.

As the first day of hearings developed before a three-deep standing-room-only crowd in one of the Senate's largest hearing rooms, the atmosphere grew increasingly tense, and staff aides watching Baird from the podium said they saw occasional signs that she was becoming emotionally upset.

Baird is to return for a new round of questioning Thursday, but plans by Biden to finish the hearings in one more day were in some doubt Tuesday night. At least two members of the committee have suggested that Baird's husband be summoned as a witness. Moreover, the number of questions awaiting Baird from the panel appeared to be lengthening as Tuesday's session moved along.

First U.S. Marines Leave Somalia

By Scott Kraft
LOS ANGELES TIMES

MOGADISHU, SOMALIA

The first significant pullout of U.S. forces from Somalia began Tuesday with the departure of more than 550 Marines who have been ducking snipers in this capital and feeding the starving in Baidoa since before Christmas.

The group, part of an 850-Marine unit leaving this week, halted the six-week military escalation that has brought 25,500 American troops to Somalia to fight a war on anarchy and famine. And it turned attention on the United Nations, which must appoint a new commander for the next phase of Operation Restore Hope.

"This sends the right signal," said Robert Oakley, the U.S. special envoy in Somalia. "It tells the international community that others are fully able to take our place and that the operation can continue as a U.N. operation without any fall-off in effectiveness."

That hand-off from American to U.N. command is a crucial next step in the operation. Even if a new comman-

der is appointed soon, the transition is unlikely to be complete before March 1. The United States also has promised to retain some troops, perhaps as many as 5,000, during the early days of U.N. control.

More than half the 850 Marines in the 3rd Battalion, 9th Regiment, stationed at Camp Pendleton, Calif., left Tuesday aboard two chartered jets and were scheduled to arrive in Southern California Wednesday. The rest were to leave Somalia Wednesday and Thursday, also bound for the United States.

They were among the signs of a winding down in operations, as many of the 11,000 troops from 22 countries began to take over American operations on the ground. The M.V. Phillips, one of the large supply ships for the Marine Expeditionary Unit stationed off the coast, was being reloaded and could leave by Friday.

But no other large units of Americans will be sent home until the U.N. appoints a new general to take over from U.S. Marine Lt. Gen. Robert

B. Johnston, commander of Operation Restore Hope. "That will be our signal to download," Johnston said Tuesday.

The departure of the Marine unit Tuesday appeared designed to coincide with President Bush's last full day in office. Bush had promised to have at least some troops home before he turned the presidency over to Democratic President-elect Bill Clinton.

Besides appointing a new commander, the United Nations needs troop commitments from foreign governments. Most of the foreign troops now in the U.S.-led coalition, and several dozen other countries' armies, have agreed to consider joining the U.N. effort in Somalia.

But many first wanted assurances from the United Nations that the rules of engagement now being used by the United States would not change. U.N. forces have typically allowed soldiers to shoot only if fired upon. But in Somalia, U.S. rules have allowed troops to take pre-emptive action, if they felt their lives threatened.

OPINION



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THIS MODERN WORLD by TOM TOMORROW

NO ONE CAN KNOW FOR CERTAIN WHAT BILL CLINTON WILL DO UPON TAKING OFFICE... PREDICTABLY, THIS HASN'T KEPT THE MEDIA FROM UNABASHEDLY FAWNING OVER HIM...

AND SO, IN HINDSIGHT, IT IS EASY TO SEE THE TRUE BRILLIANCE OF BILL CLINTON'S PRESIDENTIAL CAMPAIGN!

COMING UP NEXT: AN OBJECTIVE ANALYSIS OF HIS TOUSLED GOOD LOOKS...



WHATEVER HIS PRESIDENCY IS LIKE, WE DOUBT IT WILL LIVE UP TO THE PREDICTIONS MADE LAST SUMMER BY REPUBLICAN PARTY CHAIR RICH BOND -- WHICH INCLUDED, AMONG OTHER THINGS, THE HOLDING OF STATE DINNERS FOR FIDEL CASTRO...

SO FIDEL, I'D LIKE YOU TO OVERSEE AMERICA'S TRANSITION FROM DEMOCRACY TO TOTALITARIAN COMMUNIST RULE!

ANYTHING FOR A COMRADE, BILL!

LATER WE MUST REMINISCE ABOUT THE WILD DAYS OF OUR YOUTH IN MOSCOW, YES?



WE DOUBT THE CLINTON PRESIDENCY WILL EVEN PARTICULARLY RESEMBLE THE PORTRAIT PAINTED BY DAN QUAYLE -- IN WHICH HE ATTEMPTED TO TERRIFY REPUBLICANS WITH VISIONS OF A SANE AND JUST SOCIETY...

CRADLE-TO-GRAVE SOCIALIZED MEDICINE... CONDOM DISTRIBUTION... A FEDERAL RIGHT TO ABORTION...

GASP!



GASP!

WE'LL HAVE TO WAIT TO FIND OUT WHAT WILL HAPPEN... BUT PERHAPS -- JUST PERHAPS -- THE NEW ADMINISTRATION WILL OCCASIONALLY DEMONSTRATE A MODICUM OF SANITY... IN MARKED CONTRAST TO ITS PREDCESSORS...

TREES CAUSE POLLUTION!

RECESSION? WHAT RECESSION?

A MIND IS A TERRIBLE THING TO LOSE...



Some Hints for the Incoming President

Column by Matthew H. Hersch
OPINION EDITOR

If I have any piece of foreign policy advice for Bill Clinton on the day of his inauguration, it would be to drop his insistence on always showing his complete agreement with the Bush Administration on foreign affairs and admit that for all intents and purposes, George Bush's Iraq policy since the moment he slid into office has been foolish at best and near-tragic at worst. As a result, George Bush has left Bill Clinton with the most difficult transition since Lyndon Johnson turned over the reigns of power to Richard Nixon during the height of the Vietnam War.

There's a lot to be said about Bush's blundering in the Persian Gulf, and a lot of lessons Clinton needs to learn if he hopes to end the crises the Bush Administration perhaps did not start, but certainly at least helped to expand out of control. Fortunately, Clinton and Gore have already learned the most important of these — that Saddam Hussein must go. Here are a few more of the biggies:

The goal of foreign policy is security, not stability.

The Bush Administration has raised a lot of eyebrows with its insistence on maintaining stability around the globe, using this dubious rationale to justify such unpleasant foreign policy stands as support for Saddam Hussein's regime during the mid-1980s, failure to eliminate Saddam's power base during the Gulf War, and chronic inability to assist Kurds and Shiites in their revolutionary enterprises. When guerrillas and insurgents were running around waving Marx and Lenin, Bush had reason to love stability, but now, when people all over the globe are clamoring for democratic government for the first time since the 18th century, to discourage revolution is downright un-American. "A little revolution now and then," Clinton's hero, Thomas Jefferson, wrote, "is a good thing, and is as natural in the political world as it is in the physical."

In the Arab World, the enemy of my enemy is my enemy.

Choosing sides in inter-Arab disputes such

as the Iran-Iraq war will never be in the long-term interests of the United States as long as the area is dominated by autocratic regimes. The United States may aid a regime today only to find that it needs to be flattened tomorrow, and we cannot hope that by assisting one Arab monarchy in its fight against another, that monarchy can be cajoled into accepting democratic government. The only kind of intervention that makes sense is that which secures the security of local allies, innocent civilians, and natural resources.

Coalition military action is impractical.

Not only is the process of building an alliance network time-consuming and difficult, but all too often it allows unscrupulous pip-squeak allies to control the behavior of the United States — creating a constraint on U.S. foreign policy that cannot be tolerated. Unfriendly, undemocratic, oil-less Arabs (Syria, Jordan) join coalitions to earn political capital with the United States while at the same time secretly wishing for their failure. The last thing these nations want is to set a precedent for outside military intervention in Arab affairs.

The only way to hurt a dictator is to take away that which keeps him in power.

I like a cruise missile attack just as much as the next guy, perhaps even more. But at \$1 million a pop, the least you can do is pick good targets. Saddam Hussein doesn't really care if the United States flattens nuclear production centers, and air defense sites are only peripheral to his power base. Continued American attacks on these "political" rather than military targets only strengthens Iraqi resolve and enhances Saddam's public image as an immortal Arab hero. If the United States really wants to pull the plug on Saddam Hussein's regime, it should be going after targets that really matter — remaining units of the Republican Guard and offensive weapons Saddam will use to start his next war.

Destroy the Arab oil weapon. For much too long, the United States has allowed its foreign policy to be dominated by its need to coddle oil-rich sultans. If he eliminates American reliance on imported oil, Bill Clinton will go down in history as the finest American president since Abraham Lincoln.

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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*, PO Box 29, MIT Branch, Cambridge, Mass. 02139, 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 issue date.

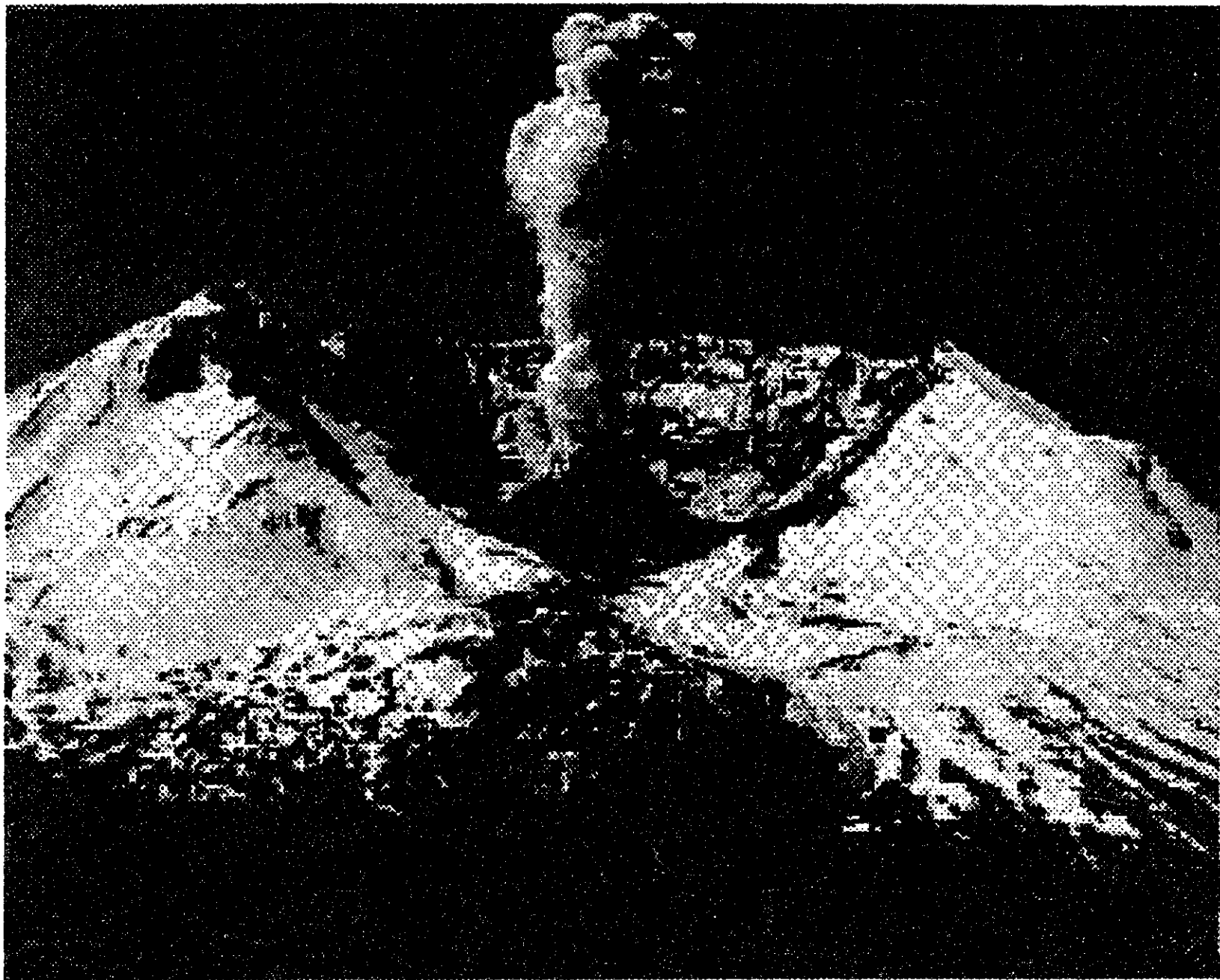
Letters and cartoons must bear the author's signatures, addresses, and phone numbers. Unsigned letters will not be accepted. No letter or cartoon will be printed anonymously without the express prior approval of *The Tech*. *The Tech* reserves the right to edit or condense letters. Shorter letters will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

Web Tom Tomorrow 1-12-93

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Prof. Samuel Bowring, 54-1124, 3-3775

Tuesday, Thursday - 10:30 - 12:00

THE ARTS

Jesus Jones adds dark tones to driving sound on *Perverse*

PERVERSE
Jesus Jones.
EMI Records.

By Douglas D. Keller
PHOTOGRAPHY EDITOR

The winds of rock can be kind or cruel. Bands that enjoy great success may continue to do so for many years or may fall by the wayside within a couple of months. Albums that seem to speak to us, move us, may soon be collecting dust upon our CD racks. The latter often occurs in alternative rock, where a band can forge out a new style only to be overshadowed and sometimes crushed by its successors.

Until their new album, *Perverse*, reached me last week, I thought that Jesus Jones had been swept aside. It was less than two years ago that they released their second album, *Doubt*, which spent six weeks at number 1 on Billboard's Alternative Chart. In the spring of 1991, they were one of the major attractions at the Earth Day concert in Foxboro and played the same night before a large crowd here at MIT as the headliner for Spring Weekend. I nearly wore grooves in the CD playing it over and over during the spring and summer.

I don't know if it was because "Right Here, Right Now," "Who? Where? Why?," and "Real Real Real" were overplayed on the radio or on my CD player, but I now find it difficult to listen to the whole album in one sitting. I have always enjoyed listening to Jesus Jones for their socially conscious lyrics and creative samplings but *Doubt* will always stick in my mind as an extremely "poppy" album.

This is not the case with their new *Perverse*, by far a darker and more brooding album than its predecessor. The songs are a significant departure from those on *Doubt* as the band continues its extensive use of sampling, "drum type sounds," and keyboards to create a driving sound. *Perverse* is by no means a techno album, but there are distinctly techno elements within most of the songs. Songs such as "Idiot Stare" make extensive use of repeating drum tracks, but there are fast and slow movements within the song which add a richness to this and other tracks that is missing in most techno singles.

At times the album presents contradictory

messages. For example, the pounding track "Magazine" celebrates the distortion of current events in the media while "Don't Believe It" makes a biting criticism of the media. The liner notes for "Don't Believe It" read "May '92, with a little ignorance and media manipulation, there is a whipping boy for every occasion. On our side, truth, decency, and the right way to talk, on the other side, our perfect enemy out for revenge."

Jesus Jones is the collaboration of Jerry De

Borg (300 hz to 8 khz), Al Jaworski (20 hz to 4 khz), Gen (drum type sounds), Iain Baker (omnipresent), and Mike Edwards (first generation (unsampled) vocals, and sole writer). The first track on the album is "Zeroes and Ones," which is fitting since most of the music on the album was recorded onto floppy disk at Mike Edwards's house. "Zeroes and Ones" concerns itself with the increasing prominence of computers in daily life, from pocket calculators and shopping at home to missile guiding

and virtual sex. The song is both a celebration of the power of computers and a warning about the control that they exert over our lives.

It is difficult to guess the course of musical history, to be certain whether *Perverse* will be a "future classic" or will be collecting dust in six months. Techno seems to be reinventing itself every six months and the message and method of Jesus Jones' latest may be archaic in a year's time. Still, *Perverse* is an engaging album with very contemporary ideas and the potential to shape the course of alternative and techno in the near future.



Jesus Jones responds to those who found their previous album too "poppy" with a dark, brooding, and rich followup.

Varied Moodswings album provides music to fuel any emotion



Moodswings' debut album, *Moodfood*, answers the question of how the offspring of a marriage between Nine Inch Nails and new age music would sound.

MOODFOOD
Moodswings.
Arista Records.

By Douglas D. Keller
PHOTOGRAPHY EDITOR

There are seven wonders of the world. You are about to witness the eighth." So begins the introductory track "Throw Off the Shackles" from Moodswings' debut album *Moodfood*. This album is definitely something different, a combination of rap, techno, new age, and industrial. The first time I listened to the album I felt that Moodswings had answered the question of what would happen if Nine Inch Nails made a new age album.

The album's press kit aptly describes *Moodfood* as "aural medication for tired minds." The album is remarkable for the stylistic range of its tracks, which vary from George Winstonesque piano on "Hairy Piano" to rap/house on "Problem Solved." No matter what mood you might be in, there will be a song on this album which will heighten your happiness or alleviate your sorrow. What is similarly remarkable is that the rest of the album will sort of fade into the background, only to be noticed again when the track fits your mood.

Moodfood was conceived and written as a single piece of music incorporating many thematically linked tracks or moods.

Moodswings is able to achieve this effect by blending the transitions between tracks and by having many movements within each track. These movements will pick up a riff used in an earlier track or will give hints of riffs to come.

Moodswings is the collaboration of musicians J.F.T. Hood and Grant Showbiz. Grant Showbiz was responsible for producing many albums for The Fall and Billy Bragg and has also worked as soundman and sometime producer for The Smiths. J.F.T. Hood was the drummer for The Pretenders and has also played drums on some of the last Smiths gigs. Joining Hood and Showbiz are Jeff Beck and Johnny Marr on "Skinthieves," Linda Muriel supplying vocals on "Rainsong," and Chrissie Hynde singing on the first single from the album, "Spiritual High (State of Independence) Part II." An interesting addition to the music of the album is the mixing of Martin Luther King Jr.'s speech "I Have a Dream" with drum machine, piano, effect boxes, and a synthesized chorus on "Spiritual High (Part III)."

Moodfood alleviates, combats, and sometimes evokes our "moodswings." This is essentially what the album is all about and what Moodswings feel that music should be all about. As they say, "The sections in the record stores shouldn't be dance or country or whatever - they should be cheer you up, relax you down, music for a picnic, music for a funeral, etc."

Join *The Tech* arts staff and review some of the year's biggest events! (We'll get you in free too!)

ON THE SCREEN

— BY THE TECH ARTS STAFF —

★★★★: Excellent
 ★★★: Good
 ★★: Mediocre
 ★: Poor

★★★★ Aladdin

Never less than enormously entertaining, Disney's latest animated delight is a hilarious musical adventure based loosely on the Arabian Nights tale of a peasant boy and a magical lamp. Thanks to the vocal talents of comedians Robin Williams and Gilbert Gottfried and clever animation by Disney artists, this is probably the funniest animated film ever, but it never loses sight of the exuberant sense of wonder that permeates all of Disney's best works. And with a breakneck pace and an abundance of wonderful images, only a second viewing reveals most of the background gags and beautiful artistry that went into producing this absolute pleasure. -Chris Roberge. *Loews Copley Place*

★½ The Bodyguard

Whitney Houston essentially plays herself, a temperamental pop singer who lacks songwriting ability and good musical taste, and Kevin Costner is a Secret Service agent hired to protect her when she begins to receive death threats in this mediocre romantic thriller. The romance in particular is emotionless, thanks to Costner's dry character and Houston's undeveloped acting abilities. Most of *The Bodyguard*, including the casting of Houston merely to cash in on the sale of a soundtrack, is little more than an unpleasant reminder that Hollywood is an industry more interested in producing money than art. -John Jacobs. *Loews Copley Place*

★★★ Bram Stoker's Dracula

Director Francis Ford Coppola has fashioned a film with a frenetic pace and ubiquitous visual tricks in a style that is closer to that of MTV and *Batman* director Tim Burton than it is to the Victorian gothic horror of *Dracula* author Bram Stoker. The movie's appearance completely dominates over the disjointed plot and poorly drawn characters, making most of the film an attractive muddled mess. But the effects, sets, and costumes are so vivid and excessive that *Dracula* manages to be very interesting even as it frustrates with a lack of coherence and drama. -CR. *Loews Charles*

★★★★ The Crying Game

Neil Jordan's story of an IRA terrorist (Stephen Rea) is a remarkably well-written piece of work that at first seems to follow its protagonist in aimless yet intriguing directions, but eventually reveals itself to be a perfectly structured look at violence, race, love, and sexuality. Rea is ordered to guard a kidnapped British officer (Forest Whitaker), but

he begins to care for the hostage and later flees to London, where he meets the officer's girlfriend (Jaye Davidson). The two halves of the film, which contain some completely unpredictable plot twists, become mirrors of one another, reflecting how understanding and compassion may be a means of salvation. -CR. *Loews Harvard Square*

★★½ A Few Good Men

Nearly every element of director Rob Reiner's adaptation of the military murder/courtroom drama clicks into place with the efficiency of a finely tuned machine designed to churn out entertainment. Sure it's unoriginal, but it's also extremely effective. The performances by Tom Cruise and Jack Nicholson are stirring, and the photography, with crystal clarity and frequent symmetry in its images, is polished until it shines. For the officers in the story, precision leads to tragedy, but for the film it leads to a triumph of sorts. -CR. *Loews Cheri*

★★½ Malcolm X

Spike Lee has translated the complex life of Malcolm X into a fascinating and involving epic which, like most of Lee's work, raises more questions than it does answers. Despite occasional lapses into excess and the omission of some of Malcolm's more incendiary remarks, the film is a well-balanced portrayal of a man who went through many different phases, each flawlessly acted out by Denzel Washington, in an attempt to right the injustices done to blacks. Although the film, like *Malcolm*, never comes to a truly workable solution, it expresses the racist problems at the roots of society more powerfully than any other recent movie. -CR. *Loews Janus*

★★½ The Muppet Christmas Carol

The latest film featuring the late Jim Henson's Muppets provides a few solid laughs and is a fair version of Charles Dickens' perennial classic, but it is easily the weakest of the

four Muppet movies. Michael Caine does a commendable job at playing a straight Scrooge while his more lively artificial costars contrast nicely with the dark London setting. And the movie makes the most it can out of amusing scenes involving singing vegetables, Dr. Bunsen Honeydew and Beaker as charity collectors, and Fozzie Bear as Scrooge's former employer, Fozziewig, but most of the humor comes from the audience's prior knowledge of the Muppets rather than any genuine wit. -CR. *Loews Copley Place*

★½ Peter's Friends

After going two for two with *Henry V* and *Dead Again*, actor/director Kenneth Branagh has made his first disappointing film. A comic drama about six college friends who reunite for the first time in years, the movie is fine when it sticks with its smart sense of humor. Unfortunately, it ventures all too often into smarmy and contrived melodramatic territory as every one of the characters faces some type of crisis. All the performers are good, particularly Emma Thompson and Stephen Fry, but for every extremely funny one-liner there is a scene in which the host walks up to someone and spurts, "Well, congratulate me! I just did

X to Y and ruined Z and..." -CR. *Loews Nickelodeon*

★★★★ The Player

Robert Altman's comedy about the intellectual decay of Hollywood is as hilarious as it is true to life. Tim Robbins is very good as a movie executive troubled both by an upstart moving in on his job and by threatening postcards from a writer whom he ignored in the past. The film's self-reflective style entertains immensely while revealing the highly constructed and constricted nature of today's movies. -CR. *Loews Copley Place*

★★★ Singles

This light and entertaining film focuses on the struggles of six singles in their 20s as they try to understand love and relationships. Steve Cambell, Kyra Sedgwick, Bridget Fonda, and Matt Dillon are all good, the script by director Cameron Crowe is often extremely funny, and Seattle locations and music provide an interesting backdrop. Although it is not as realistic as Crowe's *Say Anything*, the movie is filled with wonderful isolated moments that are filled with truthful familiarity. -CR. *Arlington Capitol Theatre*



Aladdin and his apprehensive friend, Abu the monkey, are approached by a charismatic magic carpet in the treasure-filled halls of the Cave of Wonders in Disney's enormously entertaining new animated film.

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Tam Defeats Ten In Integration Bee

By Sarah Y. Keightley
NEWS EDITOR

Eleven students competed for the title of MIT's 1993 Grand Integrator last night in 54-100.

After seven rounds and one lightning round, Sunny Tam G was proclaimed the winner of the Independent Activities Period Integration Bee. He competed because he "just wanted to have fun." He added that he was glad not to have made any algebraic mistakes.

Jorge A. Calvo '93 administered the contest this year.

The competition actually began last week when all students were invited to take a written test. According to Calvo, of the 30 students who took the test, 12 moved on to last night's round. To advance, students needed to correctly integrate 15 of the 20 problems on the written test.

The bee gave students "a chance to satisfy their masochistic tendencies during IAP," Calvo said. The bee began with Calvo introducing the 11 finalists (one never showed up). He noted that these students voluntarily took the test last Tuesday.

Each round consisted of Calvo writing an integral on the board. A contestant then had one minute and

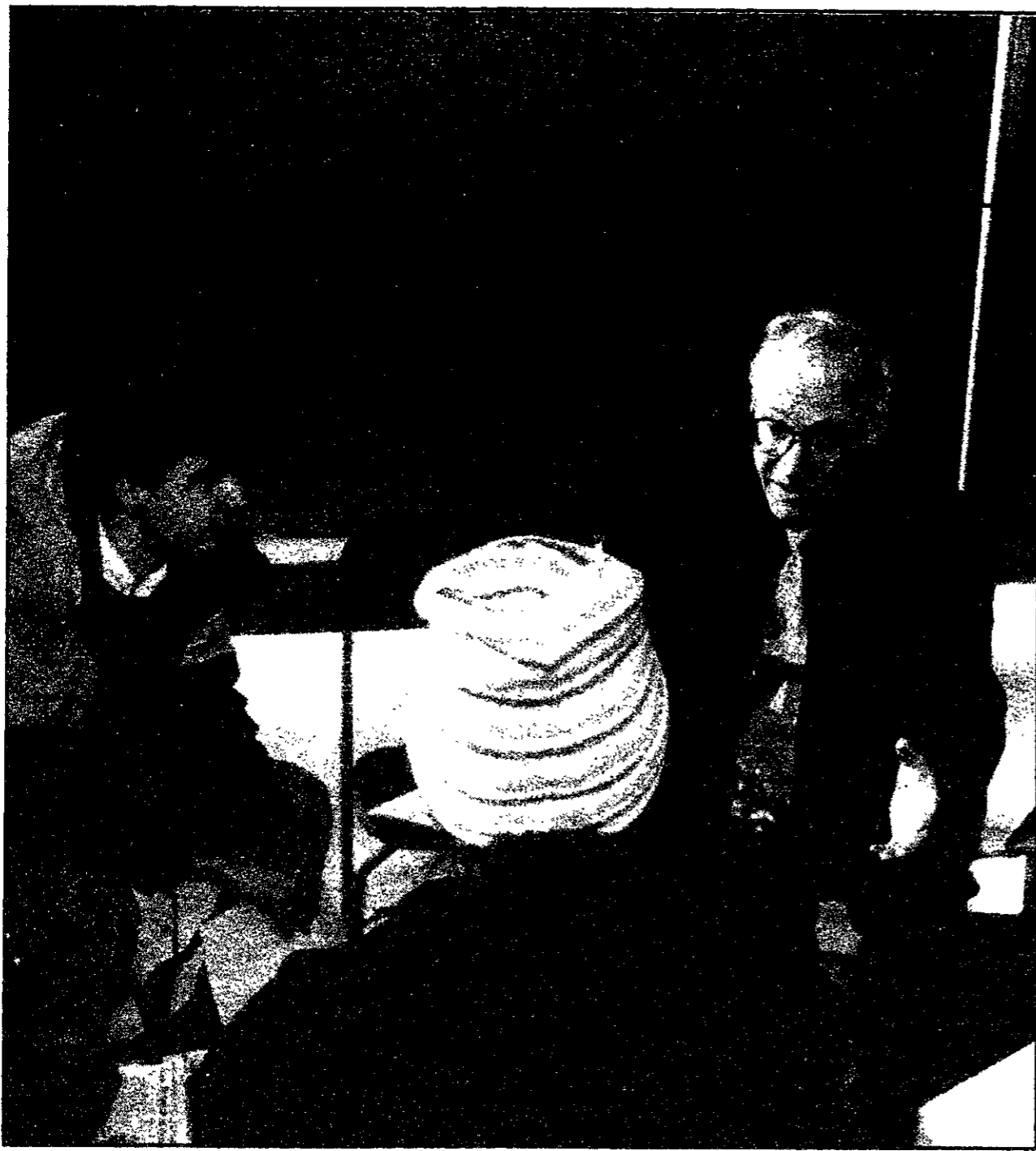
30 seconds to solve it at the board. If the contestant could not solve the problem, the next person had one minute to solve it. If this person could not solve the integral, the third person had 30 seconds. The question was declared null if the third person was unable to solve it.

This continued for seven rounds until all but three competitors were eliminated. These three then participated in a lightning round where they had to solve the same integral at the board. Here, both speed and accuracy were important.

Second-place winner Zubair A. Talib '96 said he entered the competition by accident. He went to the first round last week thinking it was a seminar given by the math department. He was quite surprised when he was handed a blue book and the test.

Yitwah Cheung '94 was the third-place winner. The other finalists were Paul W. Fieguth G, Michael S. Keynes '93, Catalina E. Laplaza '95, David B. Pecora '95, Eugene Shuster '96, former Grand Integrator Christopher M. Teixeira G, Nathan C. Wilmes '96, and Mario A. Yearwood '96.

The Integration Bee is an annual IAP event; however, there was no contest last year.



DOUGLAS D. KELLER—THE TECH

Associate Dean for Student Affairs Travis Merritt was one of several "instructors" for MIT's Charm School, held Thursday in Lobby 7. Merritt was informing students about methods for wiping out annoying student and faculty classroom behavior. Other booths addressed buttering up big shots and proper telephone etiquette.

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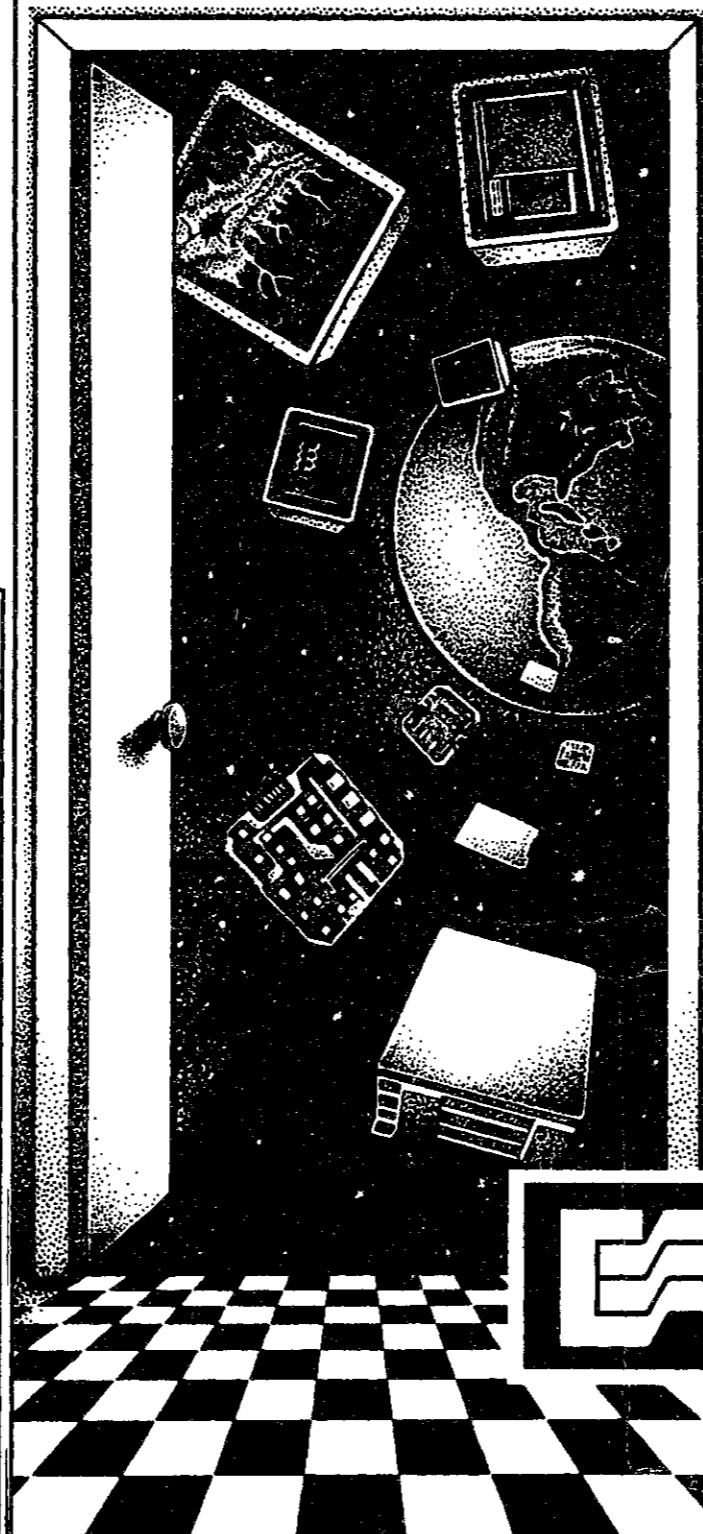
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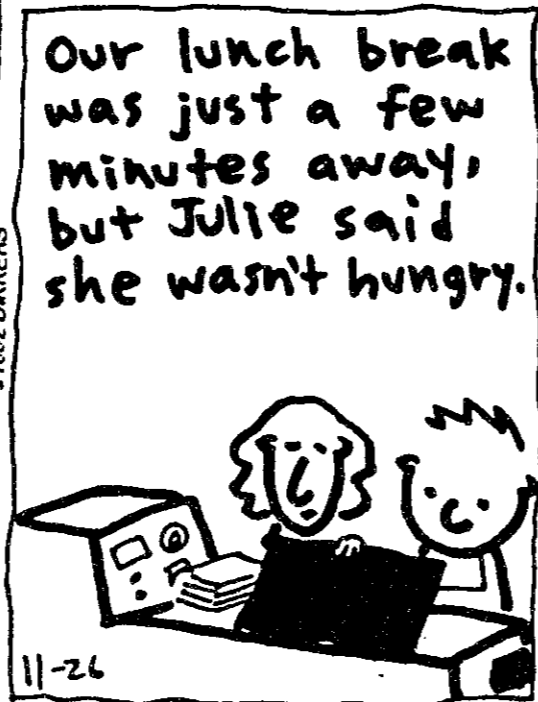
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Jim's Journal

by Jim



Today at the copy store Julie and I were making a bunch of copies.



Our lunch break was just a few minutes away, but Julie said she wasn't hungry.



She asked, "What should I do on my break?"



I said I didn't know and she said, "maybe I'll drop dead."

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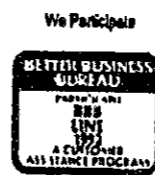
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Speeches Honor King At Birthday Tribute

King, from Page 1

justice," he concluded.

Vest related theme to MIT

Vest addressed the theme "Where do we go from here: Chaos or Community?" and its relation to MIT. Next, Vest pointed out that 15 percent of the undergraduate students accepted in 1992 were underrepresented minorities, in contrast to the 8 percent accepted in 1980. He emphasized that his administration was working to increase this representation throughout the Institute.

Miasha N. Richards '95 and Adam Morales '96, and Maiysha Simmons and Adeline Rodene, from the Upward Bound program and

Cambridge Rindge and Latin School, gave youth perspectives. Morales told how he was always inspired by King's words and how they helped him overcome racial tensions in his home town of Brooklyn, N.Y.

Rodene mentioned that it is important for everyone to carry King's ideals to their fullest extent. She also added, "Men of Martin Luther King's stature shouldn't be remembered only once a year, but every day of the year!"

In addition to the march and the speakers, there were performances from the MIT Gospel Choir, dancers, and Linda L. Hughes, who played the flute.



DOUGLAS D. KELLER—THE TECH

A trio of Tuvan throat singers performs their unique brand of "overtone" singing to Killian Hall yesterday. The group performed four different styles of Tuvan singing and then answered questions from the audience of nearly 100.

Four Task Forces Assigned to Reduce \$16 Million Gap

Deficit, from Page 1

problem, Vest and Wrighton established four task forces to look for ways of trimming expenses throughout MIT and for new sources of revenue. The task forces, each headed by a high-ranking administrator, are "charged with involving and informing broader segments of the MIT community," according to Vest's letter. They will look to reduce the budget deficit within the next three to five years.

Wrighton is also looking to make immediate cuts in operating expenses. "I asked all individuals reporting directly to me to provide a scenario for coping with a 2 percent per year reduction in budget in each of the next three fiscal years," he wrote.

According to James J. Culliton, vice president for financial operations, the task forces hope to make cuts in administrative services rather than cutting across the board. "There have been cautions about affecting student support services," he noted.

"Our hope would be that undergraduates would see very little detrimental change," Culliton said. "One of the hopes is to moderate tuition over the next few years."

Wrighton's article stressed MIT's commitment to need-blind admissions. It also expressed a desire to limit increases in tuition and the self-help level, which at \$6,600 is among the highest in the nation.

However, Wrighton hopes to close the fiscal year 1993 gap quickly. "The point now is that we are rapidly expending our financial flexibility, and this is occurring at such a brisk pace that we must now con-

sider changes in what we do and how we do it," he wrote. "The ideal situation would be to close the operating gap in FY93 by \$16 million."

It is likely that some jobs will be eliminated by budget cuts. "We can't rule out the possibility of layoffs," Culliton said. "Our hope would be that improvement can be made that would make attrition a better approach."

The four task forces are: revenue enhancement, headed by Vice President Glenn P. Strehle '58; academic activities, headed by Associate Provost Sheila E. Widnall '60; administrative functions, headed by Culliton; and support services, headed by J. David Lister PhD '65, vice president and dean for research.

Economy contributed to problems

The sagging economy and the changing relationship between the federal government and major research universities are largely responsible for the Institute's continuing budget woes, according to Wrighton's letter.

The poor state of the economy has led to needier undergraduate students who require more financial aid. At the same time, federal financial support for financial aid has declined. The net effect on the fiscal year 1993 budget is an \$8.5 million shortfall.

The availability of research funds has also been adversely affected by the economy. Lincoln Labs, funded primarily by the Department of Defense, lost \$60 million in sponsored research between 1990 and 1992. Other federal agencies, including the National Science Foundation, have reduced support of MIT research.

Tumbling profits at companies

like IBM and Digital Equipment Corp. also affect research funding. IBM cut its contributions to non-profit organizations and universities to approximately \$120 million last year, down from a 1985 high of \$189 million. Similarly, DEC's contributions fell \$5 million last year to \$25 million.

Nevertheless, research funding increased last year. The rate of growth of research funding declined, however.

Changes in the rules governing the recovery of the indirect costs of research from the federal government resulted in the loss of \$2 million in fiscal year 1992.

Many major universities faced similar problems over the last few years, but MIT was better equipped to weather the declining revenue than most universities, Culliton said. Reductions in support costs made in the early 1980s by then-President

Paul E. Gray '54 and Provost John M. Deutch '61 allowed the Institute "to kind of coast into this period well, without the growing major concern" seen at other universities, he said.

The success of the recently-completed *Campaign for the Future* fund-raising effort, which raised \$710 million for the endowment, also helped MIT increase revenues.

Though the final 1992 budget gap of \$13.1 million represents a small fraction of MIT's final \$1.1 billion budget, more than \$700 million of this money is sponsored research funding, which can not be used to reduce a deficit. The \$370 million core operating budget is the only money available for deficit reduction. These funds are dominated on the expense side by salaries and benefits and on the revenue side by tuition.

Wrighton remains committed to

maintaining "the Institute's position as the leading institution of its kind in the world," he said. Because tuition is the largest source of income in the core budget, however, efforts to maintain competitive faculty salaries are tempered by the desire to keep tuition increases small.

Continuing MIT's policy of need-blind admissions has become increasingly expensive in the last four years. Financial aid costs increased from \$12.4 million in 1988 to a projected \$25 million in 1993. MIT aims to maintain its "highly successful admissions policy, despite its considerable cost," Wrighton wrote.

MIT must continue to offer competitive salaries in order to attract top-flight personnel, Wrighton said. Thus, salary freezes or small raises must be avoided

Card-Key Entry Systems Slated for Three Dorms

Readers, from Page 1

sary.

"It is important for students manning the front desk to watch people coming in and out because people can follow others in," MacGregor Housemaster Judith A. Lippard said. "Just in terms of not being able to duplicate keys, it may be helpful."

Though the exact software package and company has not been confirmed yet, card-readers are planned for all the houses. According to Maguire, Housing Services plans to add card-key readers to all houses by next fall, though he said the exact software package and supplier has not been confirmed yet. He said that most of the requisite work will be done over the summer.

If a student loses his or her card, Housing Services will immediately cancel that card, and after some paperwork, the student will receive another card. The new card should be issued within about two minutes.

"I don't think the pass card will change things that much for us, but what will really affect us is changing the door locks," said Craig E. White '93, a MacGregor desk worker who contacted Campus Police to report three trespassers in MacGregor two weeks ago.

After the outside door locks and keys to MacGregor were changed in September 1991, the rate of theft in the dormitory dropped drastically from a high of 17 thefts the previous year to one or two minor thefts during the next, said White.

"If it's cold, the doors will still stick open and people will still prop them open. If we change outside locks every two years, it would eliminate more crimes," White said.

"We used to be very hot. There used to be one or two people who came in regularly to steal every couple of months. Usually they would walk around for 10 to 15 minutes and take something from rooms that were left unlocked... like jewelry, VCRs and money," White said.

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SPORTS

Track Sweeps Three Opponents

By Aliza E. Mezrich

After several days of snow, a little sun was a welcome sight on Saturday, Jan. 16. Apparently, the sun was also shining on the men's track and field team, as they came in with a sweeping victory against fellow Division III athletes. MIT ended the day with 265 total points, while Bowdoin finished with 144, Westfield State had 74, and University of Massachusetts - Dartmouth took the remaining 58.

In the field, MIT earned several first place positions. Andrew Ugarov '95 made a height of 6'4" in

the high jump, putting him in the lead there and he placed first again when he went 42' 1.5" in the triple jump. Matt Robinson '94 vaulted 15' 0", placing him first in that event.

As the field players were rapidly accumulating points, the track half of the team was doing so even faster. The most notable of these wins were the 500 meters, where Captain Dan Corcoran '94 ran 1:08.30; the 55 meters, with Jay Chiang '94 coming in at 6.79; the 5000 meters, where Ethan Crain '95 ended at 15:15.12; and the 4x400 relay, where Brad Geilfuss '94, Marcelo Targino '96,

Kevin Knoedler '94, and Corcoran all combined efforts to earn a time of 3:34.

Saturday's meet was the first of four meets in the quadrangular series. The hardest of these, for MIT at least, should be the last one, at home against Coast Guard, WPI, and Williams, which will occur on Feb. 13. According to head coach Halston Taylor, MIT has not lost a home meet to a Division III school since 1982, when they lost to Tufts, so this should be an event to watch. The next home meet, however, is on Saturday, Jan. 30 against Colby, Tufts, and UMass-Dartmouth.

Springfield Slips Past Men's Swimmers by 16

By Ogen J. Nastov

In its third dual meet of the season, the men's swimming and diving team suffered a narrow 112-128 defeat by Springfield College at the Alumni Pool last Saturday.

The Engineers took the early point lead by placing 1-3-4 in the opening event of the meet, the 400 medley relay. MIT's A-relay squad crushed Springfield's A-squad by a victory margin of 6.08 seconds.

In the next two events, the 1000 and 200 freestyles, Springfield took over the point lead from MIT by placing 1-3-4 and 1-4-6 respectively. The solid victory of team co-captain Brian Meade '93 in the 50 freestyle (21.86) was followed by a 2-3-6 finish in the 200 individual medley. The score was 47-46 for Springfield.

Springfield continued its victory roll by placing 1-3-4 in 1-meter springboard diving, and by a 1-2 sweep of the 200 butterfly. Meade reversed this trend by winning the 100 freestyle in 47.91, outtouching Springfield's runner-up Bray by only 0.05 seconds.

The MIT winning streak continued in the 200 backstroke, where Ted Achtem '95 triumphed with a winning time of 2:02.01. But in the 500 freestyle, team co-captain Bob Rockwell '93 was outouched by 0.39

seconds by Schade of Springfield.

The Engineers got back on their winning roll with stellar performances in the next two events. Rajesh Anandan '95 placed a solid first in 3-meter springboard diving. In the 200 breaststroke, Brian Dye '96 crushed the field with a lane 6 victory in 2:18.89, 1.08 seconds ahead of the runner-up from Springfield.

"It kind of happened," said Dye. "I gave everything I had and won." Dye later explained that he worked on his stroke technique with head coach John Benedick during the team's training trip to St. Croix in early January. "The effort paid off - I dropped 11 seconds off my last dual meet time," he concluded.

The meet ended with the 400 freestyle relay. Springfield fielded a victorious squad, winning in 3:17.96, 2.03 seconds ahead of MIT's A-squad. Jon Pfautz '95 was praised by the team captains for his superb anchor leg in the relay, in which he established a personal best time.

"During the first half of the meet, our team was not mentally into it, and we lost some points," said Benedick, "but the team got together as the meet continued." "It was a good effort. We tried to win, and we did have some good races," Meade added.

Women Hoopsters Off to 3-6 Start

By Mari Casserberg and Michelle Green

TEAM MEMBERS

The women's basketball team began the new year with a home win over Wentworth Institute of Technology, followed by a loss to Brandeis University and an overtime win over Colby Sawyer College.

The team is young, relatively inexperienced, and lists only 10 women on the roster. Despite these challenges, this year's team currently holds the same win-loss record as last year's and shows definite strengths.

The starting lineup consists of Jen Boyle '96 and the four returning

players: co-captains Portia Lewis '93 and Mari Casserberg '94, Tammy Porter '94, and Kristin Ratliff '95. With three veteran post players, leadership and strength come from the inside.

Although the team's current record is 3-6, no opponents have been able to control the key. Lewis scored 29 points at Brandeis and Ratliff had 24 at CSC. Being forced outside by zones against Wentworth and CSC, the team exhibited its scoring capabilities outside the lane as well. Porter scored a career-high 17 points against Wentworth and added 12 more at CSC.

Recovering from a poor start at Colby Sawyer, the team finished

strong in overtime. After Porter, Boyle, and Ratliff fouled out, the team maintained its momentum and composure. Celia Fleming '93 grabbed an important rebound and added two big points. Green assisted Lewis with a great pass, and Jenn Wozniak '95 stopped CSC's forwards. The final score was 79-74.

The fans who cheered us to victory against Wentworth and those who traveled to Brandeis were greatly appreciated. The team's next home game is in Rockwell Cage on Saturday, Jan. 23 at 2 p.m. against Nichols College.

Merritt High Scorer, but Riflers Lose

By Lynn Albers
ASSOCIATE SPORTS EDITOR

The Varsity rifle team put in a strong effort this past Sunday against U.S. Naval Academy, Norwich College, and Depaul College. All four teams competed in both small-bore and air rifle. Navy came out on top in small-bore with a score of 4,536 to Norwich's 4,502, MIT's 4,405, and Depaul's 4,213. Norwich narrowly edged out Navy in the air rifle competition, scoring 1,521 points to Navy's 1,520. Depaul finished with 1,456 points and MIT concluded with 1,435.

The high shooter for the match and small-bore was MIT's own Arte Merritt '95, with a score of 1,158.

UPCOMING HOME EVENTS

Wednesday, January 20

Men's Ice Hockey Alumni Game, 7 p.m.

Friday, January 22

Women's Swimming vs. Tufts University, 4 p.m.

Men's Swimming vs. Tufts University, 7 p.m.

Saturday, January 23

Men's Volleyball vs. Dartmouth College, 1 p.m.

Women's Basketball vs. Nichols College, 2 p.m.

Women's Gymnastics vs. Rhode Island College, 2 p.m.

Squash vs. Amherst College, 2 p.m.

Wrestling vs. UMass-Boston, 2 p.m.

Tuesday, January 26

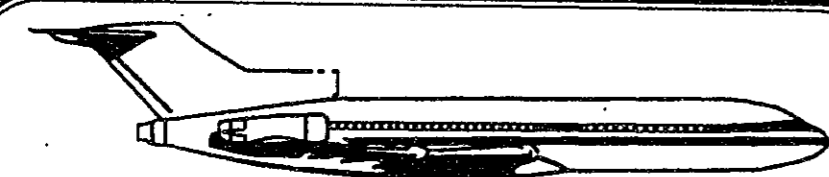
Women's Ice Hockey vs. Wesleyan College, 7 p.m.

Women's Swimming vs. Wellesley College, 7 p.m.

Wednesday, January 27

Squash vs. Yale University, 4 p.m.

Wrestling vs. Boston College, 6 p.m.



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