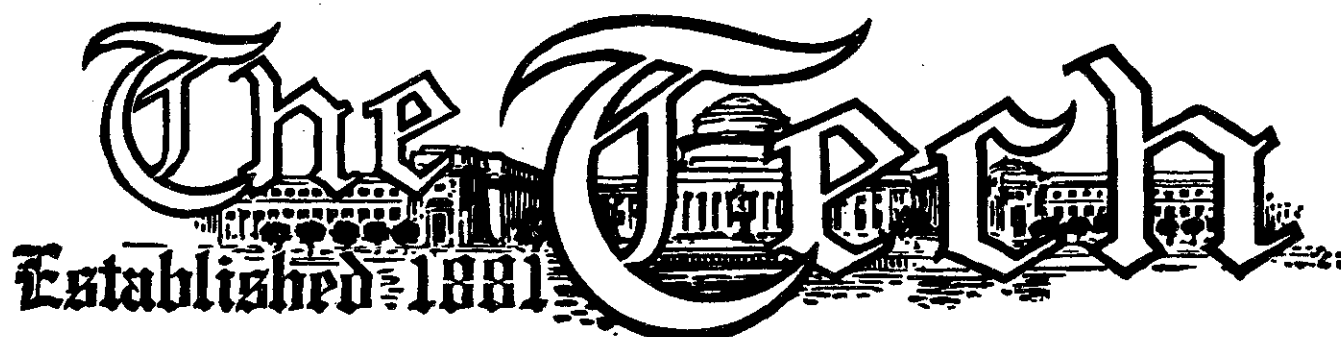


MIT's
Oldest and Largest
Newspaper

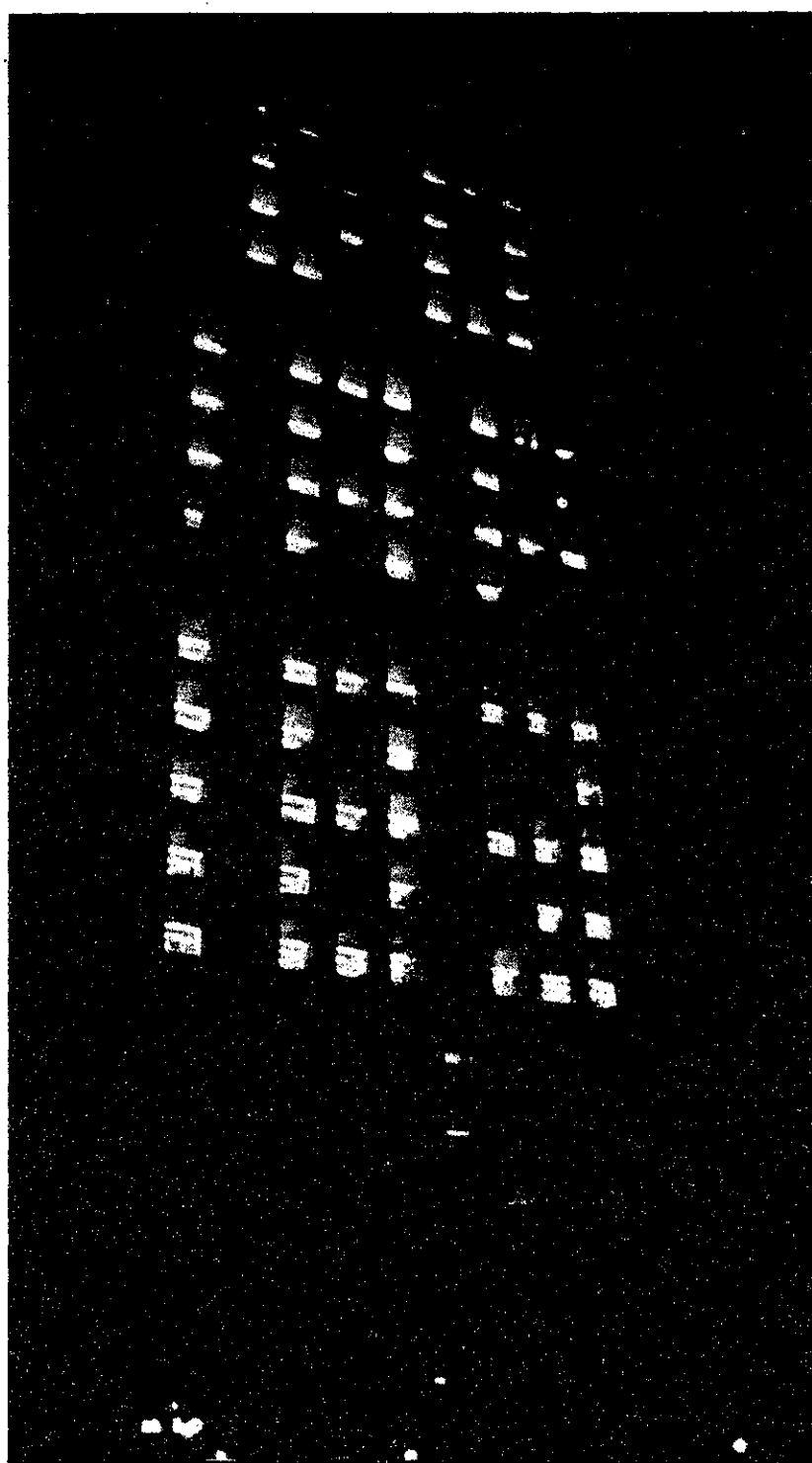


The Weather
Today: Partly sunny, 43°F (6°C)
Tonight: Partly cloudy, 34°F (1°C)
Tomorrow: More clouds, 41°F (5°C)
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Volume 112, Number 64

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Wednesday, January 6, 1993



JOSH HARTMANN—THE TECH

As students finished exams on Dec. 18, the Green Building encouraged them to take IAP 183, "Science Treasure Hunt, or Journey to the Center of the Earth," which is offered by the Department of Earth, Atmospheric, and Planetary Sciences.

FBI Probes Athena Incident

Suspect Altered Telnet Program to Capture Passwords

By Eric Richard
ASSOCIATE NEWS EDITOR

In cooperation with MIT Information Systems, the Federal Bureau of Investigation has started an investigation into the recent security breach of one of Athena's dialup machines. An arrest warrant has been issued for the alleged perpetrator.

The Distributed Computing and Network Services division of IS has been "working with the appropriate authorities to arrest the responsible person," said DCNS Manager Joanne Costello. She believed the individual was to be arrested last week, she added.

"Last I heard, they were writing

out the arrest warrant," said Theodore Ts'o '90, a systems programmer for DCNS. Ts'o refused to comment further due to the pending investigation.

No one from the FBI was available for comment yesterday, leaving the suspect's identity unknown.

On Dec. 14, DCNS released a statement on the incident. "This individual's mode of operation is believed to be limited to breaking into accounts for the sole purpose of discovering any user [identifications] and passwords stored there to enable him to break into additional systems," it said.

The suspect used a bug in the

dialup program to replace the telnet command, which allows users to remotely log on to other computers, with a compromised version which captured every keystroke after the command was executed, according to Costello.

Ts'o said the telnet program was modified in October, two months before the statement was issued. Over 4,000 individuals may have used the compromised server during this time, according to the statement.

The statement was printed and distributed to all of the Athena clusters and was printed in *Tech Talk*.

Athena, Page 11

Fewer Apply for Early Action

By Hyun Soo Kim
ASSOCIATE NEWS EDITOR

The number of early action applicants decreased 8 percent from last year. "It's the first decrease in four to five years," said Michael C. Behnke, director of admissions. But it's "not a huge downturn. Under 10 percent is not a major fluctuation," he said.

According to Behnke, 520 students were admitted from a pool of 1,276 applicants for the Class of '97. In 1991, 517 out of 1,387 applicants were admitted — 8 percent higher than the 1,283 applicants in 1990, 588 of whom were admitted.

Early action students usually comprise a quarter of the total number of applicants offered admission, which was 2,219 last year, Behnke

said. Sixty-two percent of early action students and 48 percent of regular admission students enrolled last year, he added.

To alleviate the dormitory crowding problem, the projected size of the Class of '97 will be approximately 1,050, the same that of the Class of '95. The class-size goal for the Class of '96 was 1,125, but 1,140 were actually admitted and enrolled, leading to the crowding.

Financial aid an important factor

The decrease in the number of applicants is "not particularly just early action. That's the way the number of overall applicants is running now. The easiest explanation is the economy. Some engineering schools are not even filling their

classes anymore," said Behnke.

Behnke further speculated that publicity about downsizing and layoffs at IBM and other high technology firms might have decreased interest in engineering.

The reauthorization of the Higher Education Act last July may also have discouraged some applicants who need financial aid.

"Some rules are still not defined. Forms and rules changed completely, so there is no way to apply for aid now. The process is delayed by almost two months. The application process is getting more and more compressed," said Stanley G. Hudson, director of Student Financial Aid. "Our intention was to

Admissions, Page 11

Three Win Valuable Scholarships

By Eva Moy
NEWS EDITOR

Three MIT students have won prestigious scholarships to study in Britain next year. Mark E. Lundstrom G won a Rhodes scholarship, while Ian M. Blasch '93 and Seema Jayachandran '93 were awarded Marshall scholarships.

Lundstrom was one of 32 students to win a Rhodes scholarship, out of about 1,275 applicants from 350 U.S. colleges and universities, according to a Dec. 9 *Tech Talk* article.

While at Oxford, Lundstrom will study "how we can change the educational system of the United States to make our work force more competitive" by changing American schools and producing an environment conducive to life-long learning, he said.

"Future wars will not be fought with nuclear weapons, F-16s, and smart bombs, but with lathes, robots, and the skills of the American employee," Lundstrom said in *Tech Talk*.

Other countries' governments have learned to work together with industry to be competitive, Lundstrom said. The federal government has the power to make changes in America, but has not pursued it yet, he added. Lundstrom hopes to gain a better international perspective by studying America from the outside.

Lundstrom is currently a fellow in the Leaders for Manufacturing Program, a partnership between industry and academia, he said. He completed an internship at The Boeing Corporation as part of this program, and he will receive masters degrees from both the Sloan School of Management and the Department of Aeronautics and Astronautics this year. Lundstrom received the SB in aeronautics and astronautics from MIT in 1991.

Lundstrom is also actively

involved as a senior partner in a new high-tech machine tool and medical products manufacturing business, he added. Lundstrom created the company, an outgrowth of a project in the Space Engineering and Research Center, with another graduate student and a professor.

As an undergraduate student at MIT, Lundstrom was captain of the MIT ski team, founder of a program for handicapped skiers, president of Sigma Alpha Epsilon, president of the MIT Chapter of the American Institute of Aeronautics and Astronautics, head Unified Engineering teaching assistant, and a private pilot, he said.

He is currently the head coach of the MIT ski team.

Marshall Scholars

The British Marshall Scholarships are "Britain's national gesture of thanks to the people of the United States for aid received after World War II under the Marshall Plan," according to a press release from the British Consulate-General in Boston.

Thirty-six American students won scholarships this year, from a pool of nearly 800 candidates. The scholarships cover tuition costs, books, travel, and living expenses at any university in Britain.

Scholars, Page 11

Campus Reviews

New Safety Measures

By Eva Moy
NEWS EDITOR

Changes in A Safe Ride, the emergency telephone system, and the possibility of student patrols in Institute buildings were among the issues discussed at a meeting yesterday among several top administrators and representatives of student organizations.

The meeting was intended as a review of the Institute's current safety initiatives and as a forum for the presentation of new ideas.

At the end of last year, two new A Safe Ride vans were added to the existing routes, raising the total number of vans to four, according to Campus Police Chief Anne P. Glavin. The original and the new van "operate 15 minutes behind each other" on each of the existing routes, Glavin said.

The two new vans are 100 percent handicapped accessible, each equipped with a fully automated wheelchair lift, Glavin said. The new vans meet specifications set by the federal Americans with Disabilities Act for the expansion of route-based shuttle systems, she added.

The Graduate Student Council is currently working with Campus Police to try to develop a set time schedule, "something similar to a bus schedule," Glavin said. She added that this should be done "fairly soon."

Director of Special Services Stephen D. Immerman said graduate students from the Center for Transportation Studies have been traveling on the Safe Ride routes to get a better understanding of what could be a reasonable schedule. He said he will meet with the students this Friday.

After that, the GSC may look into other issues, including the addition of more stops, which could be implemented if the community accepts the longer routes, Glavin said.

Safety, Page 11

INSIDE

■ *Leap of Faith* will offend many, entertain few. **Page 7**

■ *Deja* brings Jafar, the villain of *Aladdin*, to life. **Page 7**

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WORLD & NATION

'Secondhand' Smoke Causes Cancer, EPA to Announce

THE WASHINGTON POST

WASHINGTON

In a long-delayed decision that could eventually have a major impact on the American workplace, the Environmental Protection Agency Thursday will conclude officially that exposure to "second-hand" cigarette smoke causes lung cancer in adults and greatly increases the risk of respiratory illnesses in children.

EPA administrator William K. Reilly's endorsement of a report by a panel of scientific advisors to the agency will end a contentious two-year review of the issue during which the panel's evidence and conclusions have been denounced repeatedly by the tobacco industry.

The EPA's endorsement of the scientific panel's findings will have no immediate practical impact, because the agency has no authority to regulate indoor air pollution. But the move could have a significant influence on how local governments and the federal Occupational Safety and Health Administration (OSHA) adopt and enforce workplace anti-smoking rules.

OSHA is in the beginning stages of soliciting information on indoor air quality, a process that could lead to new federal rules on air pollution in the workplace. An OSHA spokesman said Tuesday that "it's too early to tell" what the impact will be of the EPA's designation of passive tobacco smoke as a human carcinogen.

U.S. Considering Options in Wake Of Iraqi Deployment of Missiles

THE WASHINGTON POST

WASHINGTON

White House spokesman Marlin Fitzwater said Tuesday the administration is considering "options" in the wake of an Iraqi deployment of surface-to-air missiles in the southern part of the country patrolled by U.S. and allied warplanes.

"We're monitoring the missiles," Fitzwater told reporters traveling with President Bush to West Point Tuesday morning. Other officials said the anti-aircraft weapons were Russian-made SA-2s recently deployed in three major groupings along the 32nd parallel, which is the northern border of a zone where the United Nations Security Council has barred Iraqi military flights.

"We're very concerned" about the deployments, Fitzwater said. He did not specify the U.S. options under consideration, but another senior official said one is to seek a U.N. statement ordering Iraq to remove the missiles.

Iraq's action follows the downing of an Iraqi Mig-25 by an American F-16 on Dec. 27 and is assumed by some officials to be in response to that event. It may also be timed to signal defiance to the incoming Clinton administration.

While Fitzwater's remarks raised the possibility the United States would do something to respond to the Iraqi deployment, Defense Department spokesman Bob Hall appeared to play down the development in a midday briefing for reporters.

"In and of itself, it's not that big a deal," Hall said, adding that Iraq's action was "an item of particular interest" only when taken together with other recent Iraqi moves he said were aimed at undermining U.N. authority in the area.

WEATHER

Back to Normal?

By Marek Zebrowski

STAFF METEOROLOGIST

Following a heady high of 62°F (17°C) yesterday (a new record for the day), our temperatures will gradually subside to more seasonable levels; yet, no bitter (or even normal) January cold is expected for the rest of the week. Weak high pressure will briefly crest over our area, moving offshore by late Wednesday night, and the skies shall be fair for the most part with some cloudiness confined to the southwestern sections of our region.

The weekend may bring some unsettled weather for Saturday (light rain or mixed precipitation associated with a cold front passage); Sunday will feature a return to seasonal highs of 35-40°F (2-4°C) and lows in the 20s (-6 to -1°C).

Today: Partly sunny, high of 43°F (6°C), winds northwest 5-10 mph (8-16 kmh).

Tonight: Partly cloudy and frosty with a low of 34°F (1°C) in the city, 20s (-6 to -1°C) in the suburbs.

Thursday: Increasing cloudiness, high around 41°F (5°C), light to moderate winds from west and southwest 8-15 mph (12-25 kmh).

Friday: Fair skies, highs in the 30s (2-4°C).

Weekend Ski Report

By Marek Zebrowski

STAFF METEOROLOGIST

With the unseasonably warm weather so far this January, all New England ski areas (except Blue Hills locally) report a base of at least 6 inches; in most areas it ranges from 1 to 3 feet. The only areas with new wet snow are Sugarbush in Maine; Bretton Woods, Lookout and Wildcat mountains in New Hampshire; and Killington, Okemo, and Stowe in Vermont. (All others report wet granular and loose granular conditions).

With falling temperatures for the rest of the week, some flurries are expected in the next two days; additionally, there is a chance of some more snow associated with a cold front passage on Saturday. It seems then that the best bet for skiing this weekend would be to head up to Maine, northernmost areas of New Hampshire and Vermont and the highest elevations, where a decent coating of new snow will improve the condition of trails.

Oil Tanker Runs Aground Off Scotland, Threatens Wildlife

By William Tuohy and Maura Dolan
LOS ANGELES TIMES

LONDON

A single-hulled, 700-foot tanker carrying almost 25 million gallons of oil ran aground and was breaking up in the Shetland Islands Tuesday, creating a potentially major environmental disaster in an internationally known wildlife area.

The ship, the Liberian-registered *Braer*, was carrying almost double the amount of crude that was aboard the *Exxon Valdez* when it ran aground in Alaska in 1989.

Attempts to contain oil gushing from the *Braer* were thwarted by hurricane force winds blasting the Shetlands, off northern Scotland between the North Sea and the Atlantic. The British Coast Guard feared the tanker would be destroyed on the rocks during the night, spilling its entire cargo into the sea.

Salvage teams could do little with the tanker, which lost power during a storm while traveling through the 22-mile channel between Sumburgh Head and Fair Isle on a voyage from Norway to Canada. Its crew was evacuated and there were no reports of injuries.

But, said one Coast Guard duty officer: "It is a horrendous scene. Thick black oil is pouring out. There is very bad weather."

While experts awaited daybreak to fully assess the scene, they held out little hope for containing the damage from the *Braer*, which ran aground on a rocky beach in Quendale Bay and was being battered by the raging storm and enormous breakers.

The prospect of a huge oil spill raised fears for wildlife in the Shetlands, an area to which bird lovers from around the globe flock.

Sea ducks winter in the local

bays, and the area has been important for sea birds like puffins, long-tailed ducks, and great northern divers. Eiders, loons, guillemots and cormorants also can be found there. And seals, otters, common porpoises, and killer whales roam the Shetland-area waters, from which islanders pull salmon that fetches top prices because it is said to come from such a pristine spot.

"The impact on fish and birds will be less than it would have been if the spill had taken place in the spring," said Richard Golob, publisher of *Golob's Oil Pollution Bulletin*, a Massachusetts-based newsletter on oil pollution prevention and cleanup.

He and others noted that damage would not be as great because many local birds have already migrated and the fish are not spawning.

But Golob said the spill still would have a significant effect on nearby bird and fish populations.

Not far from the area where the *Braer* ran aground, there is a crude oil terminal at Sullom Voe, which services some of Britain's North Sea oil platforms. Its spill-containment equipment, including planes with sprays to break up oil slicks and corralling booms, was made ready for use, once weather allows.

Some experts noted that the *Braer* — in contrast to the *Exxon Valdez*, which went aground on a reef in Alaska's Prince William Sound on March 24, 1989 — was carrying a kind of oil that might be less damaging to the coast.

Its cargo was "a light crude, which evaporates more quickly and this process is helped by the bad weather," said David Deas, spokesman for the Marine Pollution Control Unit of the British government.

Noting that Tuesday's incident was the second major European spill in a little more than a month,

environmentalists called for tougher regulation of oil tankers. Just last month, a Greek tanker, the *Aegean Sea*, ran aground near La Coruna harbor in northwestern Spain during a storm and caught fire, spilling 21.5 million gallons of crude along the coastal fishing area.

On Tuesday, particular concerns were raised anew about the grounded ship's structure — that the *Braer*, managed by B and H Ship Management of New York and built in 1975, had only a single hull, rather than the more damage-resistant double hull.

"This is a potential major disaster for wildlife," said Nancy Harrison, an officer with the Royal Society for the Protection of Birds. "Questions must be asked why a single-hulled tanker, which is banned around sensitive coastlines in other countries, is allowed to be in one of Britain's most vulnerable sites for marine wildlife."

The Oil Pollution Act, signed by President Bush in 1990, requires all new U.S. tankers carrying oil to be double-hulled. Single-hulled vessels must be retrofitted or phased out over time, Golob said.

As for the *Braer*, it was moving westward through the storm when its fuel tanks were contaminated by sea water, its crew reported. The ship lost power Tuesday morning and was driven by winds and currents toward the rocky coast.

A British rescue helicopter pulled the 34-member Greek, Filipino and Polish crew from the ship. But five crew members and two officers from the Sullom Voe terminal later were lowered back onto the ship to try to attach a line to a nearby tug, the *Sirius Star*. Before a line could be secured, the tanker went aground, and the Coast Guard ordered the crew and military personnel removed.

Key Somali Warlord Scorns U.N., Postpones Peace Talks

By Stanley Meisler

LOS ANGELES TIMES

ADDIS ABABA, ETHIOPIA

Somalia's best known warlord, Gen. Mohammed Farrah Aidid, scorned and belittled the United Nations Tuesday and prevented an unprecedented meeting of Somali political leaders from reaching agreement on the first steps toward peace.

Nevertheless, the U.N., sponsor of the meetings agreed to extend them for another day, and Secretary-General Boutros Boutros-Ghali maintained that the continued negotiation itself was far more important than the failures to agree.

"What is important is that the peace process has been created, and the Somali leaders are talking to each other," he said.

In a statement distributed among all the Somali delegates, Aidid said that his faction "no longer has any confidence in the leadership of the Secretariat of the U.N. ... the U.N. bureaucrats, from the secretary-general downwards, have failed time and time again to demonstrate an understanding of the intricate political problems in Somalia."

Deriding U.N. officials as "too meddling, too divisive, and too secretive," Aidid, who long accused Boutros-Ghali of bias against him, called on the United States to reconsider its association with the U.N. in the Somali humanitarian operation.

An American diplomat, after reading the statement, said that Aidid was "trying to drive a wedge

between the U.N. and the U.S., and that's not going to happen."

Boutros-Ghali, although he has had differences with the Bush administration over its refusal to accept disarmament as a formal goal of the U.S.-led unified command in Somalia, dismissed Aidid's attempt to push them apart. "The United States is part of the United Nations," he said, "and cooperation between the unified command and the U.N. is perfect."

But Boutros-Ghali refused to discuss Aidid's rancorous attacks on the U.N. and the secretary-general. "They are not important," Boutros-Ghali said. "If they were important, I would answer them."

Pressed whether cooperation between the United Nations and Aidid was now possible, the secretary-general replied, "Our role is to cooperate with everybody, and I can assure everybody will cooperate with us."

The U.N., which called the sessions an "informal preparatory meeting," had asked the delegates from 14 Somali political factions to come up with a date, site and agenda for national reconciliation conference and to appoint the committee that would serve as a liaison between the Somali leaders and the U.N.

The Somalis, meeting for many hours since Monday at a hotel, agreed on the principle of a committee headed by three leaders: Aidid; his arch-enemy in Mogadishu, Ali Mahdi Mohamed; and Omar Jess,

the warlord of Kismayu.

But they could not agree on the other members of the committee.

Moreover, while most factions proposed that a conference be held in Mogadishu in 60 days, Aidid, backed by three other leaders, balked. Instead, Aidid insisted that a national conference be postponed until each leader established local authorities in their regions and municipalities. These local authorities would then send representatives to a national conference.

Aidid's motivation was unclear, spawning a host of theories from foreign diplomats and U.N. officials. Aidid, according to one view, wanted to have time to consolidate his position in his own territory during an era of preparation for peace.

Another view held that Aidid wanted to embarrass Boutros-Ghali by scuttling his peace meetings. Aidid believes that Boutros-Ghali, when he ran foreign policy for Egypt, favored Ali Mahdi over Aidid.

Aidid, according to still another view, figures that his best chance to maintain power in Somalia is to attract the U.S. government with its traditional penchant for backing strongmen.

Finally, some analysts guessed that Aidid — and this theory did not preclude the others — simply enjoyed basking in the spotlight of defiance. "So far," noted one European diplomat, "Aidid has managed to maneuver himself into being linchpin of the meetings."

Bush Administration Bars Chemical Plant Sale to Iran

By R. Jeffrey Smith
and Peter Behr

THE WASHINGTON POST

WASHINGTON

The Bush administration has decided not to authorize the sale to Iran of a large chemical plant that had aroused controversy within the government, White House spokesman Marlin Fitzwater said Tuesday.

Fitzwater's statement appeared to lay the matter to rest at least for the next two weeks, but left unclear whether the plant's manufacturer, BP Chemical, would be permitted to renew its application under the Clinton administration.

A spokesman for BP Chemical Tuesday defended the proposed sale and said the company had not been informed by any government agency that its application for an export license had been officially denied. The export had aroused criticism because the plant's manufacturing process would produce hydrogen cyanide, a gas that has been used as a chemical weapon.

Although several Bush administration officials predicted on Monday that the proposed sale would be discussed Tuesday at a White House meeting on export licensing cases, the matter was not raised there, according to several

sources.

The sources said the meeting did not resolve two other export license controversies: the proposed sale to Iran of American-made crop-dusting planes and the export to China of U.S.-made jet engine technology.

Some administration officials oppose these exports on grounds that the planes could be used by Iran to spray chemical weapons and the engines could be used by China in cruise missiles and attack aircraft that China wants to sell to Pakistan. Advocates of the exports within the administration argue that military use of the crop-dusting planes by Iran or diversion of the engines by China would be highly unlikely and readily detectable.

Fitzwater said the administration decided "a month ago" not to approve the chemical plant export but he did not elaborate. Another White House official said the decision was made after the Commerce Department included the proposed export in a list of licenses it suggested the administration approve before President Bush's term ends on Jan. 20.

Larry W. Evans, director of patent and licensing for BP America, said the firm's principal contact at the State Department had told him Tuesday that he did not

know what decision Fitzwater's statement referred to. BP America, like BP Chemical, is a subsidiary of British Petroleum and would provide support for the chemical plant.

Evans said that in April last year, the Defense Department approved the proposed deal, provided BP made certain modifications in the plant's design and observed certain requirements for monitoring hydrogen cyanide produced by the plant.

Since then, Evans said, BP officials have met a half-dozen times with State Department officials and had many telephone conversations with them, most recently in December. He said that to his knowledge, the last government decision on the matter occurred last summer. "It was not a decision to kill it . . . They decided not to approve it at that time," Evans said.

Evans said hydrogen cyanide was not considered a chemical weapon because it disperses so quickly. "Never were we inclined to do anything to contribute to anyone's chemical warfare capability," he said. Several experts said, however, that a global chemical weapons treaty to be signed in Paris next week will impose restrictions on the sale of hydrogen cyanide, which acts through the bloodstream to asphyxiate those exposed to it.

Largest Freshman Class in Half Century Takes Congress Oath

By Michael Ross
and William J. Eaton

LOS ANGELES TIMES

WASHINGTON

The largest and most diverse class of freshmen lawmakers since World War II took the oath of office Tuesday as the 103rd Congress convened amid pomp and ceremony and pledges by both Democrats and Republicans to end 12 years of government gridlock.

The festive mood quickly struck a sour note, however, when the House plunged into its first substantive debate of the year over rival Democratic and Republican proposals for changes in the rules governing the way members work.

Democrats were rallying their House majority to turn aside a Republican demand to limit the terms of committee chairmen to six years, while Republicans bitterly protested a Democratic proposal to expand the voting rights of five delegates representing the District of Columbia, Puerto Rico and the territories of Guam, American Samoa

and the Virgin Islands.

"What a dismal way to begin the Clinton administration!" said Republican Rep. Henry J. Hyde of Illinois, who argued that the Democratic proposal was unconstitutional. "This is intolerable and we shall not tolerate it," added Rep. Roscoe G. Bartlett, a freshman Republican from Maryland.

The rules change allowing the delegates — all of whom are Democrats — to vote for amendments on the House floor was later adopted 249-176 on a straight party-line vote.

The rules squabble did little to dim the mostly festive spirit of the day, however.

A mood of cheerful chaos filled the House as 110 newly-elected members of Congress took the oath of office in a mass swearing-in ceremony administered by House Speaker Thomas J. Foley (D-Wash.). Many of the lawmakers brought their families onto the floor for the occasion and the aisles were filled with scampering children and

so much noise that Donald K. Anderson, the exasperated clerk of the House, had to pound his gavel for five minutes to call everyone to order.

Amid the uproar, Rep. Peter J. Viscloskey (D-Ind.), entertained two of his children by reading the book "Aladdin" to them. Other children squirmed in their seats, or used the historic occasion as an opportunity to fall asleep.

When the newly elected members raised their right hands and swore to uphold the Constitution, many of the youngsters jumped up and raised their hands as well. It was a sea of faces that included many more blacks, Hispanics and women than ever before — a diversity that leaders of both parties predicted would have a powerful impact on the agenda of the new Congress, whose first legislative business is expected to be passage of a family and medical leave act adopted last year but vetoed by President Bush.

D.C. Gains Vote on House Floor

By Kent Jenkins Jr.

THE WASHINGTON POST

WASHINGTON

The House voted Tuesday to grant the District of Columbia a voice on the floor of Congress for the first time in its history, narrowly approving a plan that gives Del. Eleanor Holmes Norton (D-D.C.) a vote in the full House.

In the first political confrontation of the 103rd Congress, which convened Tuesday, the House's Democratic leadership beat back a late surge of opposition to the plan and preserved a 22-vote margin.

The measure, unanimously opposed by House Republicans, gives Norton and representatives of four territories the right to vote on all contested issues that come before the full House. Previously, they only voted in legislative committees.

GOP leadership called the vote unconstitutional and a Democratic "power grab," and vowed to fight it in court.

Norton, who researched the legal doctrine to support the legislation, called the House action "a spectacular, historic win."

"On 99 percent of the business of the House, the District will have a vote," she said. "This is something that only recently didn't seem possible."

Under the plan, the District's delegate and representatives from Puerto Rico, Guam, American Samoa and the U.S. Virgin Islands will be allowed to vote on virtually all contested matters in the House, except the final passage of legislation.

House Democrats initially accepted the proposal early last month, but opposition grew steadily after the GOP began to focus public attention on it. Democrats agreed Tuesday to weaken the delegates' power somewhat by preventing them from providing the margin of victory for any legislation.

House Republicans denounced the move, and Minority Whip Newt

Gingrich said the GOP will go to court and attempt to overturn it, perhaps as early as this week.

In debate on the floor, Minority Leader Robert H. Michel called it "a raw grab for power" by Democrats and "unconstitutional, unprecedented and unacceptable, under any guise, whatever the motivation."

Tuesday's action was part of an unusually sharp battle over rules that will govern the House's procedure for the next two years. Rules are traditionally adopted on the first day of a congressional session, and the two parties traditionally fight over them. But House Democrats raised the stakes by proposing the new rule allowing the five delegates to vote on the floor.

Technically, the change revolves around an arcane parliamentary device called "the committee of the whole." Almost everything that happens in the House chamber, including virtually all the important business, occurs when it is in session as the committee of the whole.

Brown's Success Raises Questions

THE WASHINGTON POST

WASHINGTON

After a short, successful career as a Senate staff member, Ronald H. Brown decided in 1981 to change course. He went to work as a lobbyist and soon was representing corporate clients before the Senate Judiciary Committee, where he had served as chief counsel.

The move launched Brown on a political shuttle between the worlds of power and money, a path he has traveled regularly on the way to becoming a highly paid partner in Washington's largest lobbying firm, chairman of the Democratic National Committee and most recently, President-elect Clinton's choice for commerce secretary.

Wednesday, as he becomes the first Clinton Cabinet nominee to come up for a Senate confirmation hearing, Brown seems a fitting choice to mark the return of the Democratic establishment. The ascent of Brown as premier power broker even obscures his milestone as the first African American nominated to head the Department of Commerce.

But the key ingredients of his success raise questions about Brown's appointment. He is far from the first politician with corporate ties to be named to the post. But after an election in which Clinton declared war on special interests, Republican senators are compiling questions that go to the heart of Brown's lobbying connections, including:

- Will his past solicitation of campaign contributions from large corporations influence the department's choice of companies to receive technology development grants?
- Will he recuse himself from dealing with business clients represented by partners of his old firm?
- Will his past lobbying for Japanese electronics companies soften the department's resolve to crack down on foreign-subsidized imports and the dumping of foreign products?

More general questions of Brown's judgment may come up in connection with his lobbying work for the Republic of Haiti during the dictatorship of Jean-Claude Duvalier; a \$250,000 fund he used to campaign for party chief in 1989 without disclosing contributors, and the contract negotiations between his political allies in local government and companies in which he has a financial interest.

Brown, 51, declined to be interviewed for this article. When his appointment was announced Dec. 12, he brushed off such questions, saying, "I obviously will do everything that is proper and ethical in my role as secretary of commerce."

Pointing to his 20 years of practice, he added, "I am proud of my skills as a lawyer and my skills as an advocate."

His supporters say Brown has always been aboveboard in his political and lobbying work, and that he has demonstrated a willingness to mediate differences and rise above self-interest for the larger good.

"He is very skillful in understanding what constituency he represents, the interest of that constituency and when it's important to separate personal and constituent interest one from the other," said Vernon E. Jordan Jr., Clinton's transition chairman who hired Brown for his first job at the National Urban League.

"I don't know any instance where they've conflicted," said Jordan. "Ron Brown is a man of the highest integrity and character."

Bush Gives Guidelines For Military Intervention

THE WASHINGTON POST

WEST POINT, N.Y.

A lame duck president's last days in office are a series of final acts, and President Bush, who gives every appearance of having come to terms with this new role, engaged in another "last" here Tuesday, delivering his final major policy address on the proper use of military force in the post Cold War world.

Some 4,000 appreciative West Point cadets engulfed an emotional Bush in waves of applause as he took the stage to put into a policy context the issue of when, why and how a president should send Americans into harm when there is no direct threat to the United States.

Bush is the expert — having sent forces to Panama, to the Persian Gulf first to eject Iraqi invaders from Kuwait and then to protect the Kurds, and finally to feed the dying Somalis when there was no threat at stake. Even in these final days, military force is threatened in Bosnia.

America, Bush said, cannot be policeman to the world and the fact that it is powerful enough to act does not mean it should act. The nation's fundamental role abroad, he said, is to "marshal its moral and material resources" to promote peace. "There is no one else," he said, who can lead the way. In selected cases, that means military force, but "there can be no single or set rules" to define when military force should be used.

But Bush laid out guidelines: Before the military is used, other policies should have proven unsuccessful; force should be likely to achieve a set goal; the use of the military should be limited in scope and time, the benefits justifying the likely sacrifice; the mission should be "clear and achievable," the military's way out as defined as its way in.

FDA Orders Proof of Safety For Saline Breast Implants

LOS ANGELES TIMES

WASHINGTON

The manufacturers of saline-filled breast implants — the only breast implant still generally available — must prove that their devices are safe enough to remain on the market, the Food and Drug Administration announced Tuesday.

The decision means that the agency intends to put saline implants through the same intense scrutiny given silicone gel implants last year. Both reviews are part of the FDA's continuing study of medical devices sold before 1976, when Congress gave the FDA the authority to regulate them.

The FDA said that it also would investigate the safety of testicular implants, which are used for cosmetic purposes, and inflatable penile implants, used to treat impotence.

OPINION

THIS MODERN WORLD by TOM TOMORROW



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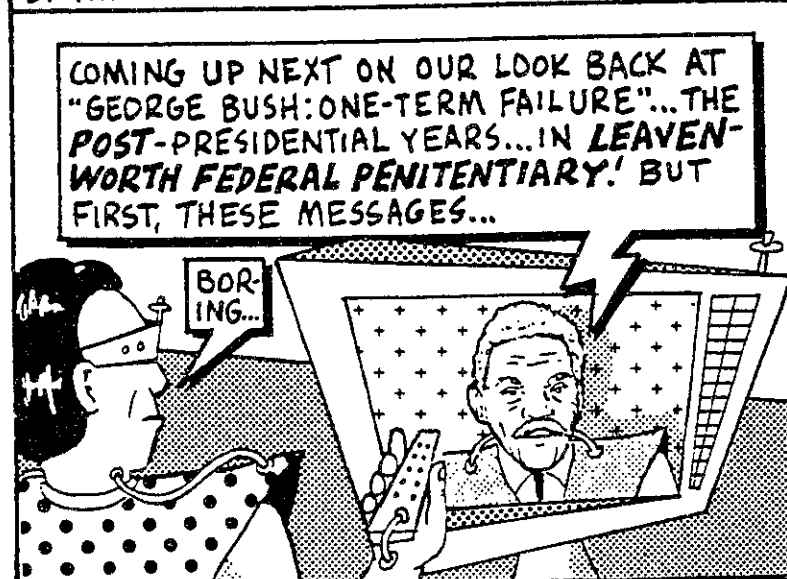
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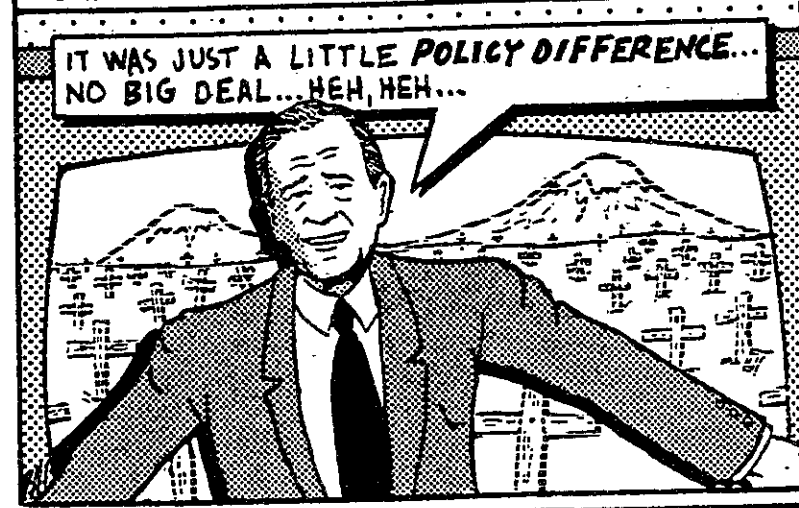
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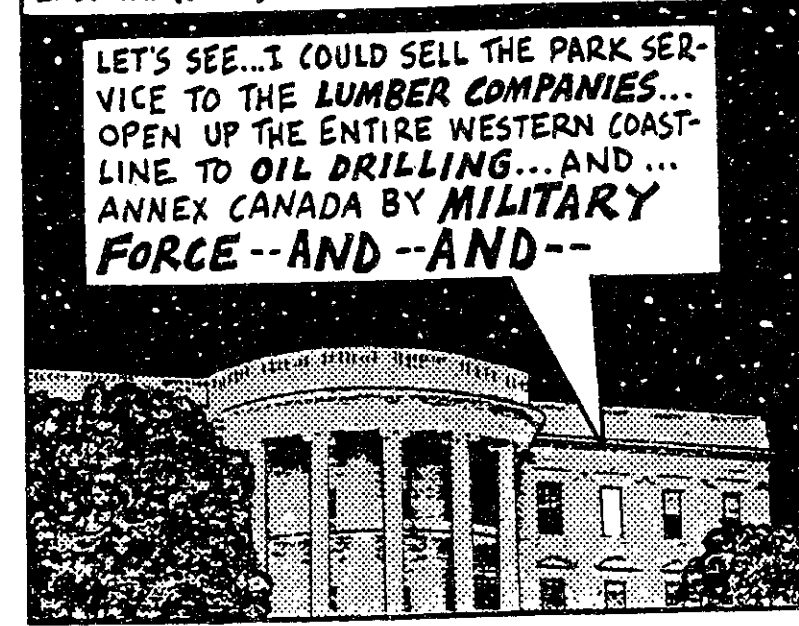
BUSH HAS REPORTEDLY BEEN CONCERNED WITH THE JUDGEMENT HISTORY WILL BESTOW UPON HIM...WITH GOOD REASON, WE'D HAVE TO SAY...



...AND, OF COURSE, GRANTS CHRISTMAS EVE PAR-DONS TO SIX IRAN-CONTRA CONSPIRATORS...WHO LET US REMEMBER, WAGED AN ILLEGAL WAR OF TERRORISM AGAINST AN IMPOVERISHED NATION IN WHICH A MULTITUDE OF INNOCENT CIVILIANS WERE SLAUGHTERED...



FOR NOW, LET'S JUST HOPE WE MAKE IT TO JAN. 20TH BEFORE BUSH DOES TOO MUCH MORE LAST MINUTE DAMAGE...



LETTERS TO THE EDITOR

Rollerblades Inappropriate Indoors

I am a member of the chemistry support staff stationed on the third floor of Building 4. A succession of bicyclists, in-line skaters, and the occasional skateboarder pass my door in the course of each day. Not a few of them seem convinced that they are on the Massachusetts Avenue Bridge (my favorite was the 'boarder who did his speeding while wearing a Walkman). I have considered constructing speed bumps and passing them off as a hack, but the pedestrians might get hurt, as the lighting isn't so hot up on 3.

I have no problem with these alternative modes of transportation when I find them on the streets and sidewalks of Boston and Cambridge [insert usual disclaimer regarding safe operation and due regard for accepted rules of conduct]. They are convenient, non-polluting, and good exercise. However, wheeled "vehicles" - be they in-line skates or Harleys - are inappropriate for indoor use. Once inside, walk the bike, change to Nikes, carry the board. It's as much a courtesy to the community (no matter how oblivious they sometimes are) as a safety issue.

Therese A. King
Administrative Assistant

Weinberg's Statements Were Inaccurate

The Tech received a copy of this letter addressed to MIT Medical Director Dr. Arnold Weinberg.

There are some glaring inaccuracies in your statements quoted in the Dec. 8 issue of *The Tech* ["Stab Victim Faced Wait for Treatment"]. I feel these statements must be addressed.

First, you state that I was evaluated to make sure the injury was not life threatening, and that I "was in absolutely no danger." This statement implies that the physician could tell my life was not in danger, so it was all right for me to sit there. However, when I got to MGH, doctors there immediately began multiple IV's and used a CAT scan to determine whether or not there was bleeding in any internal organs. They then kept me for observation until Sunday afternoon. I do not believe you can seriously suggest that with a few minutes and a stethoscope the MIT Medical Center physician was able to say with certainty that everything was fine.

Next you say that I was "Drunk and abusive when he demanded to get into the Medical Center," and the nurse who let the "two young men in" was afraid of us, so she called the Campus Police. Let us please get some basic facts straight. There were three of us, not two. More importantly, the statement that we were drunk is blatantly false. Sean had had absolutely nothing to drink all night. I had three beers in two and a half hours. This does not by any measure constitute intoxication in a 255-pound man.

Next, I was not demanding to get in. The man who drove us there demanded that the nurse open the door when she continued to question him after he explained that there were two students with knife wounds who needed treatment. He became frustrated at what he perceived to be incompetence on her part. He simply wanted to see something being done about his friends, which I think is understandable. I said nothing until a CP asked if I had been stabbed, which I thought was self-evident. I answered, "Yes." In what way does that constitute abuse?

I can understand that the nurse may well have been frightened by an unfamiliar situation that involved two bleeding men, but I deliberately remained calm to facilitate some sort of treatment. I can back this up with statements from guests at our house that night and from two nurses at MGH who "couldn't believe how calm" I was. The statement that I was hard to manage because of these things is so blatantly untrue as to make me wonder

where this information comes from.

You seem to have completely missed the point of why I spoke to *The Tech*. I was attempting to point out possible areas in which the preparedness and organization of our medical facility may be lacking. The Med Center is advertised as a 24-hour emergency facility. If this is to be the case, I believe some improvements should be made. If it is not the case, the community should not be led to believe that it is. I made my statements in the hope that they would be taken into consideration, so that if something similar or worse happens, it may be handled in a more organized and efficient manner.

Instead of this, you are disputing facts and making the situation into some sort of confrontation between the Medical Department and the victims of an assault. In so doing, you are adding more evidence to support the general student impression that the Medical Center is insensitive to their needs and incapable of offering the student body the quality of service it should.

I hope you can handle the situation in a more mature way than you have thus far, and at least take my statements into consideration. Please stop trying to deny any possible mistake or poor organization on the Med Center's part with the knee-jerk reaction of making personal attacks on me, and handle this situation like the responsible medical professional you are.

John P. Olynky '94

OPINION POLICY

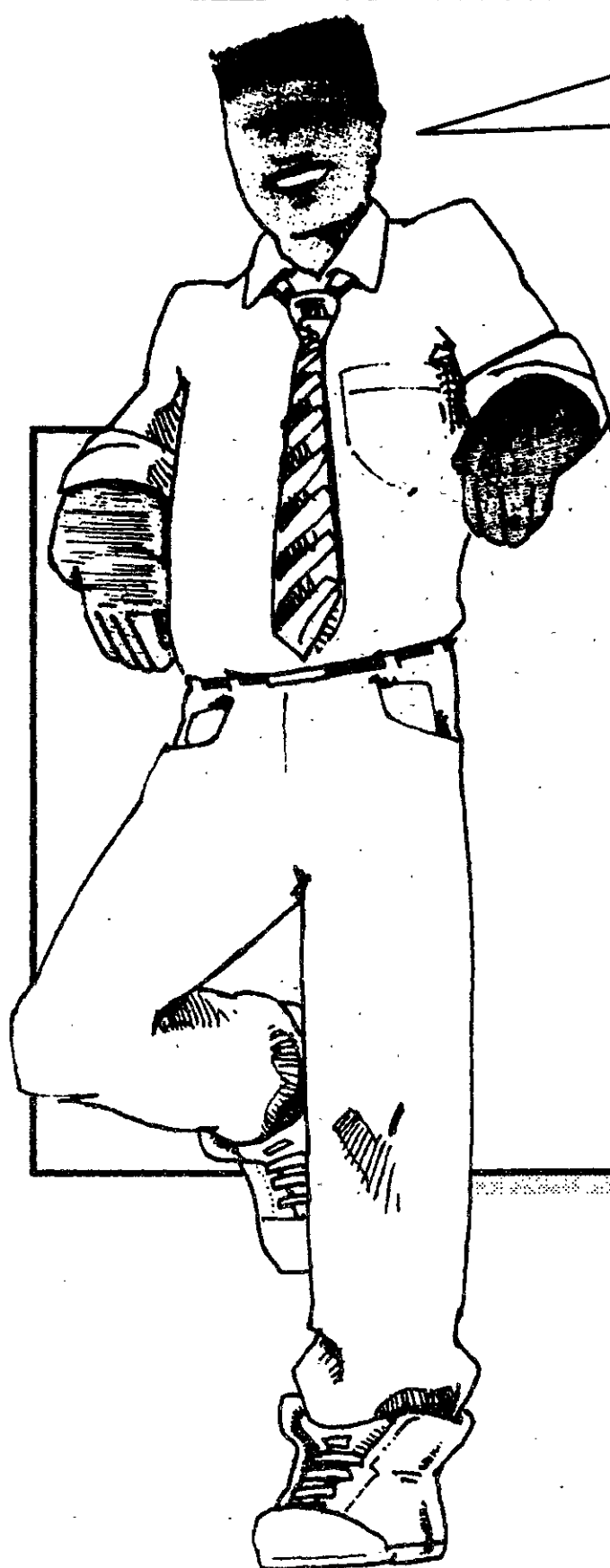
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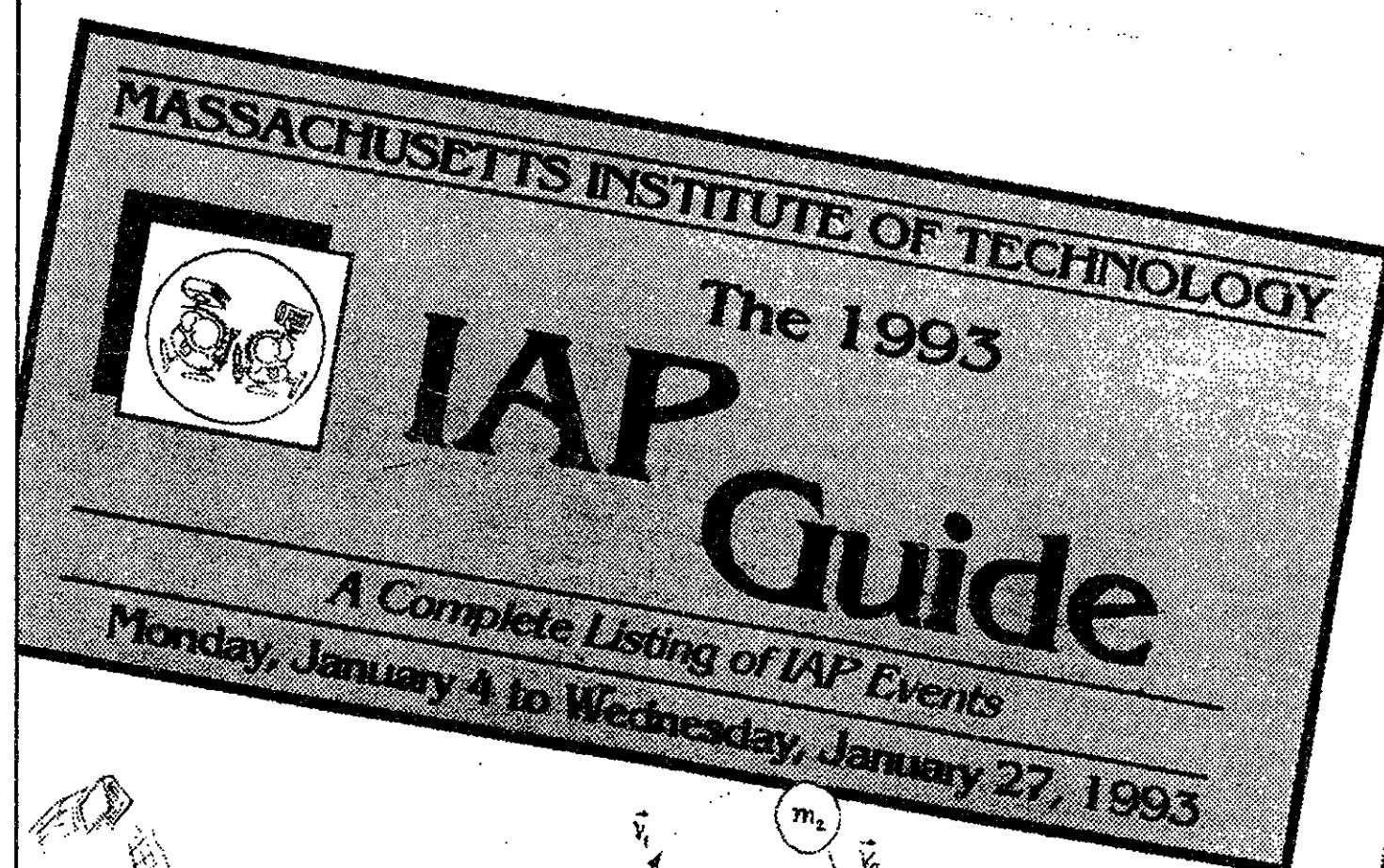
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The Tech
Established 1881

ENTROPYMAN VS. P.C.P. PART II
BY STEVE

WE REJOIN OUR HERO AS HE IS ABOUT TO CONFRONT POLITICALLY CORRECT PERSON. SHE HAS THREATENED TO TERMINALLY INCONVENIENCE ENTROPYMAN!

NOW I'M ANNOYED. YOU'RE MAKING ME MISS THE SIMPSONS!

WARR!

TACK, SWACK... TAKE IT BACK!

OH ENTROPYMAN, THANK YOU FOR THE BOWELS OF POLITICAL CORRECTNESS.

PLEASE CALL ME NIP. YOU WANT TO GRAB A PIZZA? MY TREAT...

AND AFTERWARDS WE CAN GO BACK TO MY ROOM AND DO THE KINKY KINKY.

D'OH! I'VE CHANGED A LITTLE SLUTTYMAN!

OH HELLO, WHATS A LITTLE CARNAL PLEASURE BETWEEN FRIENDS?

YES, YES, IT'S ALL TRUE... OH NO! I'M MEETING!

KHHHHH!

YOU P.C.P.'S ARE SO FULL OF YOURSELVES. YOU THINK YOU CAN SAVE THE EARTH, BUT ALL YOU DO IS PREACH, PROTEST AND LOOK DOWN ON EVERYONE WHO ISN'T R.C. YOU STICK UP FOR EVERY MINORITY, EVERY FINITE RESOURCE AND EVERY ENDANGERED SPECIES. YOU ALL CONTRADICT THIS IDEAL. YOU CLOWNS HAVE NO OPINIONS OF YOUR OWN. NO PERSONALITY!

ADMIT IT! YOU HATE HAMBURGERS AND VEAL! YOU LIVE FOR GRATUITOUS VIOLENCE! YOU LAUGH AT ETHNIC JOKE'S! YOU LIKE IT WHEN GUYS OPEN DOORS FOR YOU!

YOU'D RATHER SALT THE SLUG YOURSELF THAN WATCH SOMEONE ELSE DO IT!

OH NO! I'M MEETING!

WARR!

THE STUBBART SALAD WILSONER

WHAT HAPPENED TO ALL THE GOOD GUYS?

OH ENTROPYMAN, THANK YOU FOR THE BOWELS OF POLITICAL CORRECTNESS.

PLEASE CALL ME NIP. YOU WANT TO GRAB A PIZZA? MY TREAT...

AND AFTERWARDS WE CAN GO BACK TO MY ROOM AND DO THE KINKY KINKY.

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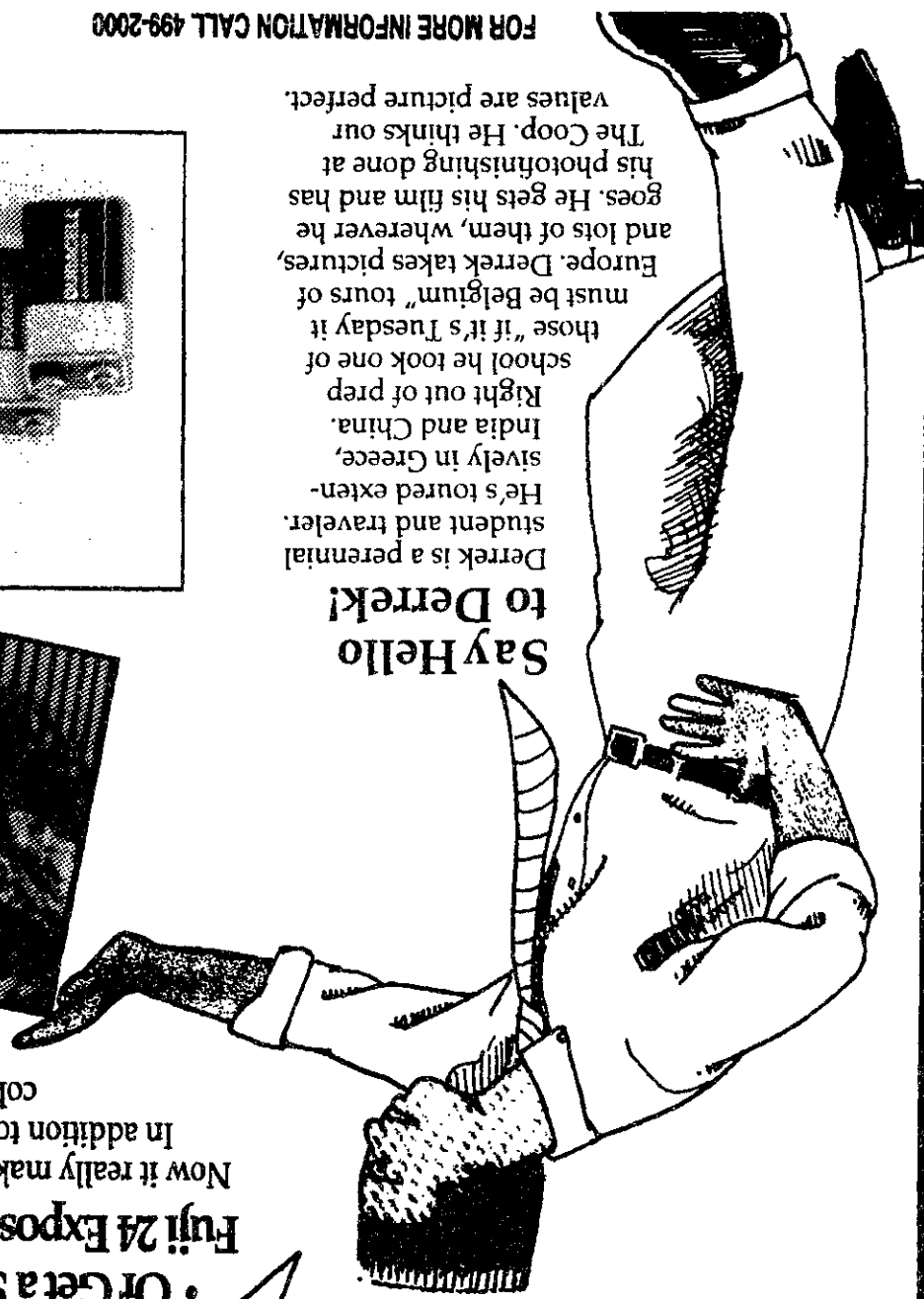
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THE ARTS

Morally shallow *Faith* offends rather than entertains

LEAP OF FAITH

Directed by Richard Pearce.
Screenplay by Janus Cercone.
Starring Steve Martin and Debra Winger.

By Joshua M. Andresen
STAFF REPORTER

Lean of Faith is a horrible, even offensive film. Its substance is shallow, its moral reprehensible, and none of its characters are endearing in the least. The music could have been great, but seemed awkward and out of place in the context of the film. Though not badly acted, this movie is not at all entertaining. Supposedly funny, the film will strike a nerve with many people.

Reverend Jonas Nightengale (Steve Martin) is a con man touring the country as an evangelist. He gives revivalist tent meetings, performing "miracles" and relieving people of their money. The Nightengale troupe is on its way to Topeka when they encounter some trouble on the road. They end up marooned in the small town of Rustwater, Kansas, so Jonas decides to set up shop there to milk the local inhabitants for all he can.

He meets some opposition from the local sheriff (Liam Neeson), who sees Nightengale for what he is, a skirt-chaser, a liar, and a thief. He attempts to persuade the poor town-folk, mostly farmers in the midst of a long drought, that Jonas is nothing but a con man

after their money. Nightengale is too slick, though, and foils him every time. Sheriff Will also confronts Nightengale, asking for him to take pity on the people, most of whom have little money. The reverend responds:

"Up in New York City they've got Broadway shows that cost \$65 a pop just to walk in the door. Maybe you like the show and leave humming a tune, maybe you don't and kick yourself. I give my people a good show, plenty of music, worthwhile sentiments, and most of 'em go home feeling like they've got some hope in their lives that wasn't there before."

The problem with this is that it remains clear that delivering hope to the people is the furthest thing from Nightengale's mind. He is after the money and the ego-boosting praise his shows generate.

The plot is further complicated by a love interest between Will and Nightengale's second-in-command and technical coordinator, Jane (Debra Winger).

The climax of the movie occurs when Jonas is called on to perform a true miracle. Preparing to blame his failure on the crowd's lack of faith, he goes out to make a decent performance of it. After the reverend lays hands on young Boyd (Lukas Haas), the boy gets up, hobbles over to the giant crucifix at center stage, and throws away his crutches. Jonas is dumbfounded and quits his evangeliz-

ing career, supposedly because he realizes there are powers greater than him at work in the world. Jane also quits, finally won over by Will.

The problem with this ending is that Boyd begins to devote his life to Jonas, rather than the true "powers that be." There is no catharsis. Jonas ends up running away in the middle of the night, Boyd ends up thoroughly con-

fused, and Jane and Will end up questioning what went on and what they believe.

The acting in *Leap of Faith* is good (Steve Martin makes an excellent evangelist/con man) and the singing of the gospel choir (the Angels of Mercy) is wonderful. Overall, though, this is a poor movie that will offend most and turn the rest away.



Reverend Jonas Nightengale (Steve Martin) leads his ministry in *Leap of Faith*.

Aladdin animator used subtlety to design strong villain

ANDREAS DEJA

Interview.
November 20, 1992.

By Chris Roberge
ARTS EDITOR

With the 1992 crop of movies finally drawing to a close, it is fair to say that *Aladdin* was one of the year's most entertaining films. As with most of Disney's animated successes, one of the strengths of *Aladdin* lies in its villain, the only character with both the greedy ambition and the power to set the workings of the plot in motion. Jafar, the sly and scheming vizier to the Sultan of Agrabah, is a wonderfully depraved character, and a worthy peer of Disney villains of the past. Jafar's angular design and understated movements were created by supervising animator Andreas Deja, who has previously overseen Gaston from *Beauty and the Beast* and King Triton from *The Little Mermaid*. I spoke to Dejas about his work in *Aladdin* when the film opened nationally in late November.

More than a few of Disney's many memorable characters share physical qualities with the actors who provide their vocal talents. Dejas, though, created the look of Jafar long before seeing Jonathan Freeman, the voice behind the vizier. "I came onto the movie and was supposed to design the character but they

only had voice recordings of Jonathan Freeman. I kind of liked his voice — there was a sort of an arrogant attitude in it. Then, through the drawing, I tried to come up with something that would fit the style of the movie but also that I could have some fun with. So he's got this eerie mask and he's very skinny and has a cape and so forth. Once I had this design set and started the animation, word was getting around that Jonathan was coming by. I remember when he came into my room I was saying, 'Oh my God, I can't believe you're Jafar,' because he's a little chubby. I almost couldn't imagine that voice coming out of that man. But we had lunch and we talked and I watched how he moved. Jonathan's been on Broadway, so when he moves there's a little bit of a theatrical quality to it — the way he gestures and rolls his eyes. I thought, 'I can make that work. That's something I can really push.' And therefore Jafar turned out a little theatrical and over the top."

If the strikingly gaunt appearance of Jafar is far removed from that of Freeman, it is certainly even farther removed from that of the other characters who inhabit the fictional Arabian kingdom of Agrabah. Dejas explained that the differentiation was quite

intentional. "Eric Goldberg, who designed the Genie, was the first one on the show and he turned us all on to drawings and caricatures by Al Hirschfeld. Eric found that his style worked very well for the Genie and soon the other guys tried to do that as well — making

Aladdin

everything a bit curvy and pleasing to look at. With Jafar I thought I wanted to be simple and direct too, but I wanted a contrast to the other characters, because they are all very animated and very bouncy and I thought that Jafar just can't be that way. He's a villain who doesn't move very much. He can show a lot by moving his eyebrow and other really subtle things. So not only in the animation, but in the design, I tried to come up with contrasting shapes — a lot of vertical lines."

When asked to compare Jafar with past Disney villains, Dejas observed, "The closest

one that I can think of is probably Maleficent because she was a villain who was strong by not doing very much. It was all in her poses and her subtleties, versus people like Cruella De Vil and Captain Hook, who are very physical. Starting out, I didn't know which way to go, because in the storyboards he was digging for the lamp in the sand and screaming in one scene, and in others he was holding still. The more I animated, the more I found out that this is a guy you really want to underplay. He becomes much more powerful if you keep him subtle."

The work of caricaturist Al Hirschfeld has been cited by many people associated with *Aladdin* as a strong graphic influence, but in the early days of Disney's feature animation, he was one of Disney's strongest critics. After the release of *Snow White and the Seven Dwarves*, the first animated feature-length film, Hirschfeld complained, "The illusion of a well directed pen line is not to be confused with the gingerbread realities of a *Snow White*. Disney's treatment of these characters belongs in the oopsy-woopsy school of art practiced mostly by etchers who portray dogs with cute sayings. To imitate an animated photograph except as satire is in poor taste."

When I brought this up, Dejas responded, "He came to our studio about three weeks ago and we talked about this. What he was objecting to were characters like Snow White who were drawn really close to life and seemed to be copies of live action. He loved the dwarves and said that they were great but he didn't like the straight characters. We also showed him *Aladdin* and he just loved it. I don't think that any of the characters are realistically portrayed like Snow White or something like Cinderella. Actually when he saw the screening, he said that he was jealous of us because while his lines were just on paper, our lines moved."

The narrative structure of *Aladdin* was adjusted and reworked fairly often during its production. Some scenes were added, while others, such as a conclusion which revealed the street merchant narrator to be the Genie in disguise, were excised in an attempt to streamline the film. The sequence which contained Jafar's only song was revised several times.

"What happened was that towards the end of the movie when he is really powerful and has the lamp, all of a sudden he broke into a song talking about his problems and who he is. Even though it was a great song, at that point in the story it just didn't fit. They tried to cut the song out altogether, replacing it



The sharp angularities and vertical lines present in the face of Jafar (right), designed by supervising animator Andreas Deja, contrast the rounder forms used in the appearances of the other characters in *Aladdin*.

Animators overlooked more often than vocal talents

Aladdin, from Page 7

with story continuity, and that sort of worked but it was kind of dry and someone said that it really missed a musical piece. Then someone suggested we pick up the Prince Ali theme and humiliate the lad with a reprise version ... Thank God I hadn't animated yet. It was storyboarded and composed and scored actually, but nevertheless we went for the shorter version and that's the way it is now. We could

have had a song with Jafar maybe at the beginning of the movie. Later on I had an idea that when Jafar is changing into the old man, he could sing about his problems while you actually see him dress up. It would have given him some nice character development."

In many reviews of *Aladdin*, Robin Williams, who provides the voice of the Genie, has been getting the bulk of the credit for the film's success. This is a bit unfair, not only because the entirety of the movie is enor-

mously entertaining, but because Williams' talents are not the only ones fleshing out the popular character. "I'm actually very much with you on that," Dejas said when I asked him about this. "We were talking with the Academy to find out whether Robin Williams could actually receive an award for a supporting role and he can! So I think that they're going to try to make that happen. And I'd be very disappointed if, were he to win, only he goes up on the stage to pick it up. It's a 50-50

thing and Eric Goldberg should be up there because he made it act. Robin Williams gave us a beautiful track — it's a sort of stand-up comedy radio show in a way — but Eric had to visualize all of that and he brought that character to life."

Apparently the victim of some type of animation typecasting, Andreas Deja will next be bringing to life the villain in the animated feature *King of the Jungle*, which Disney plans to release in 1993.

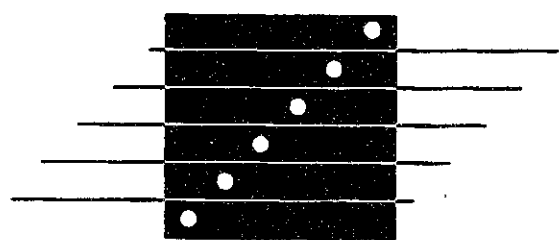
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Additional information about J.P. Morgan is available at the Careers Office, Room 12-170.

TOP TEN MOST CLUELESS PEOPLE ON EARTH

10. Rainforest chainsaw operator.
9. Millionaires in prison.
8. Drivers with turn signal perpetually on.
7. Las Vegas lounge acts.
6. Unregistered voters.
5. Frozen dinner enthusiasts.
4. Javelin catcher.
3. Someone in express checkout line with eleven items.
2. Chain-smoking gas station attendant.
1. Drug users.

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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. *Coolidge Corner Theatre*

★½ The Bodyguard

Whitney Houston essentially plays herself, a temperamental pop singer who lacks song-writing ability and good musical taste, and Kevin Costner is a Secret Service agent hired to protect her after 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. *Loews Cheri*

★★★ 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. *Loews Fresh Pond*

★★★★ 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. *Loews Harvard Square*

★★★★ Howards End

The filmmaking trio of James Ivory, Ismail Merchant, and Ruth Praver Jhabvala have translated E. M. Forster's novel of class struggles in 20th-century England into a brilliant film that is an astonishing achievement. The screen is filled with contrasting elements such as the rich and the poor, the romantic and the pragmatic, and the urban and the pastoral. The alternately funny and moving story considers which group will ultimately inherit the nation. Anthony Hopkins, Helena Bonham Carter,

and Samuel West are excellent, and Vanessa Redgrave and Emma Thompson are outstanding. *Loews Copley Place*

★★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. *National Amusements Circle Cinema*

★★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 co-stars 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. *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..." *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. *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. *Arlington Capitol Theatre*



Scrooge (Michael Caine) is confronted by the Ghost of Christmas Present, one of the few original muppets in the disappointing *Muppet Christmas Carol*.

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OPPORTUNITIES FOR PhDs OUTSIDE THE LABORATORY

A series of five talks during IAP 1993 for PhDs (and others who may be interested)

Tuesday, January 12

ENVIRONMENTAL CONSULTING

Dr. Laura C. Green (MIT '81, Applied Biology)
President, Cambridge Environmental, Inc.

Thursday, January 14

MANAGEMENT CONSULTING

Dr. John A. Griffin
Principal, McKinsey & Company, Inc.

Tuesday, January 19

THE BUSINESS SIDE OF INDUSTRY

Dr. Kristina Isakovich, (MIT '91, Physics)
Advanced NMR Systems, Inc.

Thursday, January 21

WALL STREET

Dr. Amaury Fonseca Junior, (MIT '92, Mech. E.)
J.P. Morgan & Co., Inc.

Tuesday, January 26

INTELLECTUAL PROPERTY LAW

Dr. Sam Pasternack, (MIT '66, Aero & Astro)
Partner, Choate, Hall & Stewart

All talks at 4 p.m. in Room 4-159

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marketing and sales — and on dealing with the many pitfalls of new ventures*
- *Live presentations of a startup business plan, and of a company case study*

Tue *Insiders' Views of Starting a Company*
Recognizing Opportunity and Running With It
1-4 PM in Room 35-225, 125 Mass Ave

Nuts and Bolts of Preparing a Business Plan
6-8:30 PM in Room 6-120, 77 Mass Ave (*)

Wed *Team Building and the Human Side*
Plus a Live Company Case Study
1-4 PM in Room 35-225

Post-Election Economy for the Entrepreneur
A Panel's Outlook, 6-8:30 PM in Room 10-250, 77 Mass Ave

Thu *High Tech Marketing and Sales*
Including Intellectual Property and Technology Transfer
1-4 PM in Room 35-225, followed by reception

War Stories from Entrepreneurs
6-8:30 PM in Room 6-120 (*)

Fri *Raising Money and Launching Your Company*
Plus the Live Presentation and Analysis of a Startup Business Plan
1-4 PM in Room 35-225

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**MIT ENTERPRISE
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Employee Foils Armed Robbery

Safety, from Page 1

Glavin said she has "heard nothing negative" about the expansion so far. She said the true measure of its success will not be made "probably until IAP is over" or a few months later. "We can't really assess the impact of the new vans until more students come back to campus," she said. "I expect that as people see the system working better, they will ride it more, and by the end of the semester waiting times may be back where they were at the beginning of the year," she added.

Undergraduate Association Safety Committee chair Colin M. Page '95 agreed. "Many people use the shuttle as Warm Ride rather than Safe Ride, and that's going to increase if waits are shorter," he said.

Glavin would not comment on the cost of the Safe Ride expansion except to say that the system was essentially doubled in terms of vans and drivers.

Immerman estimated that the two vans cost \$50,000. He also said the total operating cost of the new system would come to about \$235,000 a year, based on last year's \$135,000 cost.

Immerman did not know how the costs would increase in future years "since we don't have experience about how quickly the vehicles will outlive their usefulness."

The purchase and operational costs are considered "as a general operating expense of the Institute," Immerman said. These are covered

by tuition, earnings on investments, or gifts, he added. "If you assume that there is pressure to keep tuition low ... you're going to have to decide what's not going to be done somewhere else."

Phones, lights also addressed

Glavin said the Institute was working on the installation of eight new emergency telephones along Memorial Drive. She said more phones will be added in future years "as budgetary restrictions allow."

MIT is also planning to install lights along the Memorial Drive sidewalk. Glavin said MIT is currently negotiating with the Massachusetts District Commission over the use of electrical conduit left from sidewalk lights it maintained in the past.

Glavin said the pairing of MIT and Cambridge police officers on patrols on the campus perimeter has been very successful since its inception in early December. She said the multiple daily patrols were focused on five zones: Memorial Drive, Vassar Street, Albany Street, Massachusetts Avenue, and Kendall Square. Glavin added that "there will probably be some increase" in the number of Campus Police officers, but said she did not yet know the exact number.

Nicholas Thismond G, a GSC representative, suggested that the burden on Campus Police could be eased slightly by the creation of student patrols inside buildings. Glavin concurred, saying that she strongly encourages such patrols and could

arrange for training and use of police radios for committed volunteers.

"People besides the Campus Police need to stand up and say that people need to think about changing their behavior. People hear it from us all the time and become numb to it," Glavin said.

Glavin and Associate Dean for Residence and Campus Activities James R. Tewhey raised the idea of adding a safety program to Residence/Orientation Week. Tewhey said the two would discuss the idea with Associate Dean for Undergraduate Academic Affairs Travis R. Merritt, who coordinates R/O activities.

Attempted armed robbery

An MIT employee was the victim of an attempted armed robbery on Dec. 17, 1992. The victim was walking between Buildings 9 and 13 at approximately 8 p.m., according to a Campus Police bulletin. The victim was not harmed, and the attacker escaped toward Massachusetts Avenue.

The attacker approached the victim and said, "Give me your wallet," according to the bulletin. As the employee continued walking away, the subject slashed his sleeve with "a sharp object which the victim could not identify," the bulletin reported. The victim described the assailant as a 17 to 18-year-old black male with medium build and wearing dark clothing.

No other incidents have been reported since Dec. 17, Glavin said.

Three Win Valuable Scholarships

Scholars, from Page 1

Blasch is a senior in mechanical engineering and plans to study for a masters degree at the Imperial College of Science, Technology, and Medicine in London.

"My heroes have been the men and women who have challenged fate and made the unknown known. Like the soldier Odysseus, I want to travel through the unknown trusting in my knowledge and ingenuity to guide me safely," Blasch said in *Tech Talk*.

Blasch is a member of the Air Force ROTC program and received one of two scholarships to the Air Force's Flight Training School, according to *Tech Talk*. He won the Air Force Association "Top Pilot in the Northeast" award and aspires to

be an astronaut.

Blasch is a pilot and skier and also enjoys bungee jumping.

Jayachandran is a senior in electrical engineering. However, she realized that she liked the physics side of EE more, she said. She is currently working on her thesis in semiconductor research. She is also concentrating in philosophy at MIT.

"I've always been interested in politics, especially science policy. I was interested in politics in high school, like in current events. ... So it was natural to volunteer in [Clinton's presidential] campaign this year. Politics has always been on the side, but now I want to combine it with science," in a position such as analyzing environmental policy in the Department of Energy, Jayachandran said.

Combining these interests, Jayachandran will study the philosophy of physics at Oxford, she said.

She also participated in several activities at MIT, including the Committee on Curricula, associate advising, and varsity tennis (winning an Intercollegiate Tennis Academic All-American Award).

She added that she likes knowing that she will not have to apply for jobs or graduate school next year. After that, "I like the idea of being a professor, going on and getting a PhD. I want to study some more in science, go on to academia or policy," Jayachandran said.

"I was definitely very excited when the final word came," she added.

Hyun Soo Kim '96 contributed to the reporting of this story.

Early Applicants Drop 8 Percent

Admissions, from Page 1

give financial aid as soon as the admitted student's materials are complete, but now no one will get aid until April.

"Knowing there would be no response to financial aid applications may have slowed down early applicants," Hudson added.

Students receive same consideration

Behnke also said that the admissions committee does not look for

anything different in selecting early action applicants. "In early action decisions, we try to ask ourselves whether we would take them later on in regular admissions—if yes, then we take them."

However, "since they are the people that have chosen MIT early on, these students tend to be more focused on science and engineering than regular applicants," said Behnke.

Though it is not the case, Behnke said "a lot of students feel

that being deferred is disadvantageous, so they don't apply early. That's another reason the early pool is strong."

MIT does not reject any early action applicants. They are either admitted or deferred to be considered with the regular applicants.

Behnke added that the male-to-female ratio in the early applicant pool was similar to last year's, so that the projected ratio in next year's freshman class is three-to-one.

Athena Security Incident Probed

Athena, from Page 1

DCNS explicitly refrained from distributing the notice electronically, Ts'o explained. "One of our big concerns was that we did not want to tip off the guy that he might be arrested. At the time we sent out that notice, he was still active."

Full directory led to discovery

DCNS became aware of the security breach when "one of the people who was maintaining dialups found that the /tmp [directory] was filled up. He also found a program which made you a superuser on that dialup if you executed it," Ts'o said.

"The user ID, password, and the name of the system to which the Athena user was connecting were evidently captured" and placed in hidden files, which occupied a large amount of space, said Cecilia d'Oliveira '77, director of DCNS.

DCNS Network Manager Jeffrey I. Schiller '79 noticed signs that this breach of security was similar to other occurrences across the Internet, said Ts'o. "The pattern was obvious, so we looked around and found the hidden files."

The suspect may have used a similar program to initially gain access to Athena, Ts'o said. "We have discovered how he then made

himself superuser and have closed that loop now."

"Basically part of the problem was that we weren't paying as close attention to the dialup servers as we should have," Ts'o said. "It was blind luck that we found it when we did," he said. He added that the dialup machines require a little more attention than the workstations in the clusters because machines in the clusters have a program that automatically purges modifications like the one the suspect made.

"Someone is working on ways of securing the dialup servers so that something like this can't happen again," Ts'o said.

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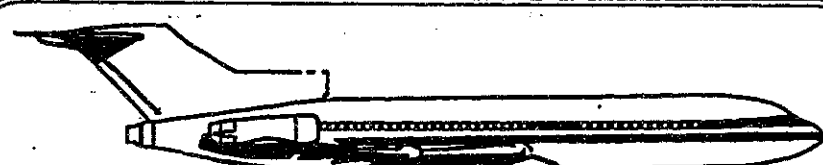
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Tranum Continues To Garner Awards

By Roger Crosley
DIRECTOR OF SPORTS INFORMATION

Honors continue to roll in for football wide receiver Roddy Tranum '93. Tranum has been named the GTE College Sports Information Directors of America (CoSIDA) College Division Football Academic All-America of the Year, and has been selected as the winner of a prestigious National Collegiate Athletic Association

Sports Shorts

(NCAA) postgraduate scholarship. With these awards, Tranum joins Bill Singhose '90, the only other MIT athlete to receive the national Academic All-America of the Year honor. Tranum's vote total was the highest among the 25 members of the GTE CoSIDA Academic All-America first team. The selection of Tranum for the scholarship marks the third consecutive year MIT has produced an NCAA postgraduate Scholarship winner in football.

In other GTE CoSIDA Academic All-America news, MIT volleyball outside hitter Colleen Johnson '93 has been named to the national third team.

Three MIT athletes have been selected to study in England by the Rhodes and Marshall Scholarship committees. Mark Lundstrom G, a member of the ski team, is the recipient of a Rhodes Scholarship, while women's tennis player Seema Jayachandran '93 and rifle team

member Ian Blasch '93 were named Marshall Scholars.

Women's sailing

The women's sailing team is ranked third in the nation following completion of the fall portion of its season. The Engineers trail defending national champion Dartmouth College and Tufts University in the ratings, which were recently published in the January, 1993 edition of Sailing World.

Men's basketball

Center Keith Whalen '96 has made an immediate impact not only on the MIT basketball program but also in the Constitution Athletic Conference (CAC). Whalen leads the CAC in scoring with an average of 17.6 points per game. Whalen was featured in the Jan. 3 edition of *The Boston Globe*.

Men's tennis

Coach Jeff Hamilton won the Men's 40 Division singles championship at the recently concluded Intercollegiate Tennis Association National Convention and Tournament in Tampa, Fla. Hamilton defeated John Messick of Colorado State University in the finals 6-1, 6-2 after defeating Larry Harris of Fresno State University and Peter Lehmann from Florida International University in straight sets. Hamilton also teamed with Pat Breen of Samford University and advanced to the semi-finals in the doubles competition.

UPCOMING HOME EVENTS

Saturday, January 9

Women's Gymnastics vs. Yale University, 1 p.m.
Women's Basketball vs. Wentworth Inst. of Technology, 2 p.m.
Men's Basketball vs. U.S. Coast Guard Academy, 7:30 p.m.

Sunday, January 10

Indoor Track hosts the Beaver Relays, 1 p.m.

Monday, January 11

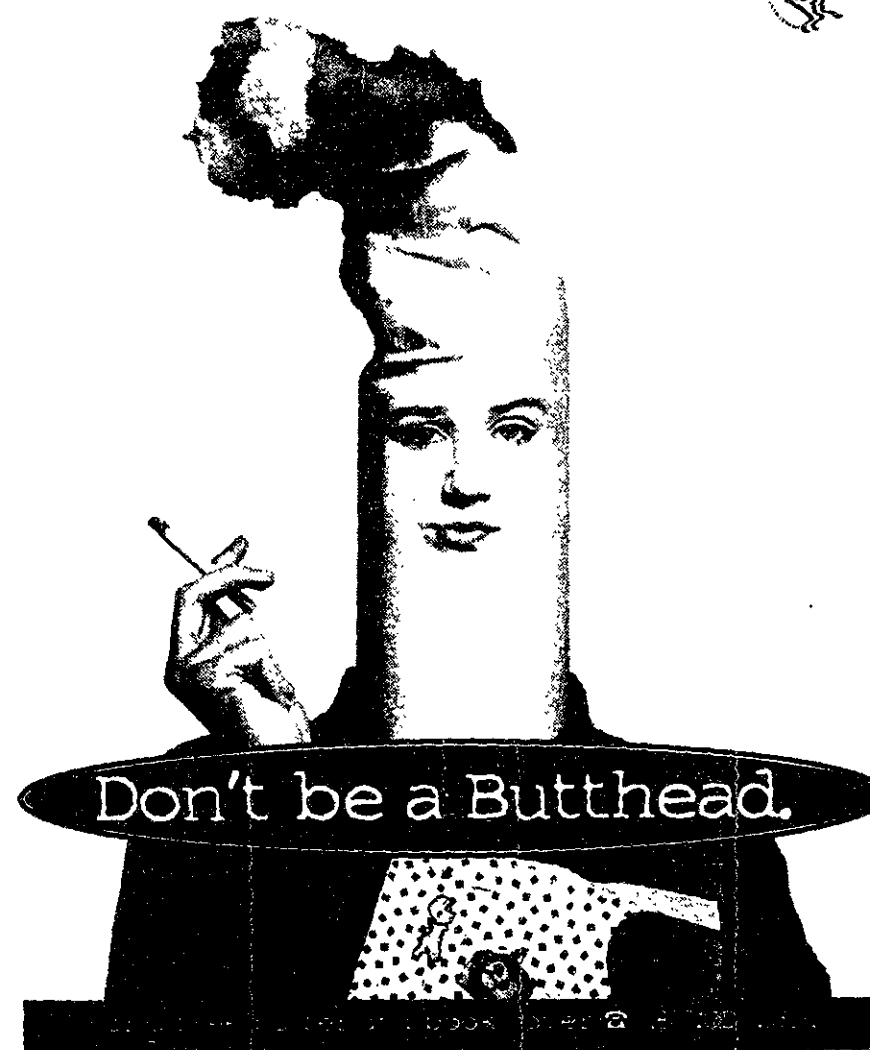
Men's Basketball vs. New England College, 7:30 p.m.

Tuesday, January 12

Men's Ice Hockey vs. Wentworth, 7 p.m.

Wednesday, January 13

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



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