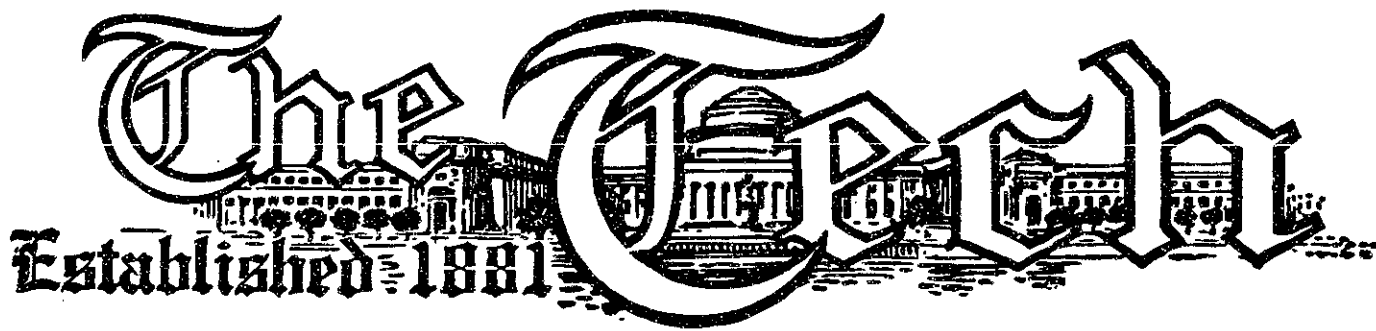


MIT's  
Oldest and Largest  
Newspaper



## The Weather

Today: Mostly cloudy, 63°F (17°C)  
Tonight: Cloudy, cool, 58°F (14°C)  
Tomorrow: Mostly cloudy, 68°F (20°C)  
Details, Page 2

Volume 113, Number 42

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Friday, September 17, 1993

## Cooperation Key For Environment

By Ramy Arnaout  
STAFF REPORTER

Addressing the question of who should be responsible for the environment, discussion at the Industry Summit's plenary session on Saturday "Ecological Governance: Who Is in Charge?" centered on the importance of international cooperation, the prospects for the success of sustainable development, current environmental problems, and the changing relationship between the environment and mankind.

In his introductory comments, Harvard University President Neil L. Rudenstine emphasized that the world has nearly no knowledge of or experience with managing the environment. He raised many practical questions, including who should be in charge, who should make decisions, on what basis, and at what cost to whom.

Resolving these questions will represent the "classic case" of "government application on the interna-

tional scale," he said, and will require extensive policy recommendations from industry, government, and environmental groups. The world has to study, to learn, and to know, he said.

### Coordination essential

The panel generally expressed the view that international coordination of environmental policy is not simply important, but essential to environmental management.

Rudenstine explained that the environment is not the nations can face individually. "Environmental problems travel," he said.

For example, air and water pollution generated in one country can spread to other countries through global wind and ocean currents, he said. One of the world's worst environmental problems, ozone depletion over Antarctica, is the result of pollution produced in distant indus-

Environment, Page 14



Jacques-Yves Cousteau presents his thoughts on "Ecological Governance" Saturday morning at the second plenary session of the Industry Summit.

## Student Loan Reform Approved

### Institute will not participate in direct lending initially

By Rishi Shrivastava

President Bill Clinton succeeded in keeping his campaign promise to America's youth when Congress approved the Student Loan Reform Act in early August. This policy changes the procedures under which college students obtain and repay educational loans.

Under the new plan, universities are given the option to lend money directly to their students. This saves students money because they avoid private lenders, who currently charge exorbitant interest rates and often accrue unreasonable profits at the expense of their borrowers, according to government press releases.

MIT will not participate in direct

lending next year, but will instead monitor the program's progress, according to Stanley G. Hudson, director of student financial aid.

The Student Loan Reform Act's impact on MIT students could be significant. Hudson estimated that as many as 45 percent of MIT undergraduates receive Stafford loans affected by the law. Across the country, Stafford loans will be replaced by direct loans.

"Theoretically, it is very promising," Hudson said.

This system of direct lending is not mandatory for all colleges. As Madeleine Kunin, U.S. deputy secretary of education, said in a May press release, "Schools that ... do not wish to originate loans may use the services of alternative loan orig-

inators ... at no cost to the institution."

Schools that do create loans will be financially compensated by the government, she said.

The Department of Education will also help these schools find private lenders, who will compete for customers in an environment of free market competition. This differs remarkably from the status quo, under which lenders often require students to pay a flat rate that is "3.1 percentage points above the Treasury bill rate," Kunin said.

The new system corrects the inefficiencies of the old by eliminating the involvement of the middleman. This helps students because

Loans, Page 14

## Library System Will Be Replaced by July

By Matt Mucklo

By July 1994, MIT's libraries will have switched the current library operating system to a new and more powerful one.

Greg Anderson, associate director for library systems and planning, sees the switch-over as a "real change in the technology base of libraries," a move towards a more open and friendly environment for students.

The new Horizon software, which emphasizes a graphical user interface, should help make the learning curve a little less steep, Anderson said.

The current Barton catalog system is difficult to use, according to many students. It is very confusing for a first-time user, said Anna D. Lukasiak '96. She said she had to take a mini-course in order to become familiar with it.

### System works directly with Athena

Not only will the new system provide greater capabilities than the current one, now nine years old, but it will also work directly with Athena because it is UNIX based.

Furthermore, through develop-

ment and use of emerging communications standards in the future, students will be able to use the same interface to browse and search other library catalogs on the Internet.

Marnie L. Harker '96 said that the current system is "generally pretty easy to use." However, "I've always had trouble trying to use the system from Athena," so it is good that the new system will work more directly with Athena, she said.

Binkl M. Zidariec '95 said that he is pleased with the current library system and has used a modem to dialup Athena for information about books at Harvard libraries. Still, "if they could implement a better search process, that would be great," he said.

Since last fall, MIT Libraries and Information Systems have worked jointly to select the system most amenable to the needs of the libraries and students.

The selection process began with eight original vendors under consideration; by this summer, the list had been narrowed down to three; and through a series of on-campus interviews and demonstrations, they unanimously decided upon the Horizon system produced by NOTIS Systems Inc. of Evanston, Ill., Anderson said.

## INSIDE

■ Session focuses on health care crisis and need for reform. *Page 11*

■ Advances in technology changes world of art. *Page 12*

*The Tech's coverage of last weekend's Industry Summit concludes with this issue. The summit, sponsored by the World Economic Forum and MIT, held sessions at MIT and Harvard University from Sept. 9 to 12. The summit joined leaders in industry, government, and academia to discuss industrial development.*

## TV Ready for Massive Changes

By Eric Richard  
ASSOCIATE NEWS EDITOR

As television signals move from the analog to the digital domain, speakers at last Friday's "Televisions of Tomorrow" session of the Industry Summit predicted a massive transformation in the way people view television and in the way information is presented.

Within five years television signals will routinely be distributed digitally, said Andrew B. Lippman, associate director of the Media Lab and chair of the session. This change will bring a revolution in the way people watch television by providing the technology necessary for video-on-demand, interactive services, multimedia applications, and a nearly unlimited number of channels, he said.

In addition, switching to the digital domain will make television sets much more intelligent. The television of the future will be a full home entertainment system in itself, with a full, built-in computer which will "allow you to program it and explore it in ways never possible before," Lippman said.

Televisions of the future will offer viewers personalization, interactivity, and customization, said

Alfred C. Sikes, former chairman of the Federal Communications Commission and president of the New Media and Technology Group of the Heart Corp.

Sikes, focusing on the change that interactive television will bring, said, that television will become a medium for social interaction. "All of the things that can be done gregariously will be done interactively," he said.

"Television will be changing from individual, uni-directional to group-oriented," said Robert L. Carberry, chief executive officer of Fireworks Partners, an affiliate of IBM.

The resulting technologies will allow broadcasters to personalize broadcasts for a single individual, Carberry said. Broadcasters will shift from "narrow-casting" — broadcasting toward the wants of a group — to "pointcasting" — broadcasting aimed at an individual.

"The scale of this transformation is immense," Lippman said. However, he noted that these changes are not the result of "a technological push," but

Television, Page 13

# WORLD & NATION

## Admiral Howe Hopeful Clinton Will Keep Aiding Aidid Manhunt

LOS ANGELES TIMES

UNITED NATIONS

Jonathan Howe, the retired American admiral who heads the trouble-plagued U.N. operation in Somalia, expressed hope Thursday that the Clinton administration would continue to support his efforts to hunt down Mogadishu warlord Mohammed Farah Aidid.

Asked at a news conference whether U.S. support would last if his bloody but futile raids against Aidid went on for another six months, Howe replied, "Let's hope it doesn't come to that."

The U.N. official, who plans to brief members of Congress in Washington next week, laid down a spirited defense of his operation, disparaging Aidid for relying on women and children to attack U.N. positions and accusing private agencies such as the International Committee of the Red Cross of exaggerating the numbers of dead civilians.

Howe, who once served on the National Security Council staff at the White House, acknowledged that the U.N. peacekeepers lacked experience in dealing with rioting crowds and implied that the United Nations was considering new tactics in suppressing these riots.

"We can use tear gas, pepper gas, other things that are coming in, people trained in riot control," he said. "But what we are up against is that these people use crowds as weapons."

## Scientists Come Closer to Proving Dinosaur Extinction Theory

LOS ANGELES TIMES

A chunk of rock sizzled out of space and into the Gulf of Mexico off the Yucatan Peninsula around the time the dinosaurs died off 65 million years ago. Geologists have long blamed the meteorite for the extinction, but paleontologists argued the rock was too small to do the job.

A refined analysis of the suspected impact site near the Mexican village of Chicxulub indicates the suspect meteorite indeed may have been big enough to cause the extinction — perhaps twice as big and eight times as powerful as once believed, American and Mexican geologists report in Friday's issue of the journal *Science*.

Ranging from 5 to 10 miles in diameter, the meteorite — whether comet or asteroid — packed an almost unfathomable amount of energy, said Virgil L. Sharpton of the Lunar and Planetary Institute in Houston. He estimated it was equal to 200 million megatons of TNT, or 10,000 times the combined power of every nuclear bomb ever made.

## House Probe Uncovers Lax Justice Department, FBI Security

LOS ANGELES TIMES

WASHINGTON

Document security within the Justice Department and FBI is so lax that congressional investigators were unable to track classified papers moving between the two agencies, according to a report by the General Accounting Office.

The study, a copy of which was provided to the Los Angeles Times, also found that the FBI failed to take disciplinary action for many of the 4,400 violations that its own security patrols uncovered at FBI headquarters over a three-year period.

The GAO report, done for the House Government Operations subcommittee on information, justice, transportation and agriculture, noted that safeguarding classified and sensitive information is an absolute necessity in the law enforcement area.

"With the increasing strength and boldness of drug trafficking cartels, organized crime families and terrorist groups, it is vital that the (Justice) Department adequately protect its operations to insure that it does not itself compromise its law enforcement activities," according to Rep. Gary A. Condit, D-Calif., the subcommittee chairman.

Condit, in letters to Attorney General Janet Reno and FBI Director Louis J. Freeh said that the security shortcomings "must be corrected."

He wrote that while procedures have been established to control and track classified documents, "compliance with the procedures is in some cases so inadequate that the GAO was unable to track documents to insure that they had reached their intended recipients ... A classified document could be lost, stolen or simply vanish into thin air leaving the department unable to identify and hold accountable those responsible for the lapse."

John Russell, a Justice Department spokesman, acknowledged the security problems and said that the department's inspector general also is looking into the violations.

## WEATHER

### Cloudy and Damp Weather To Continue

By Michael Morgan  
STAFF METEOROLOGIST

A stalled front lying south of our area, will be the focus of precipitation for today into tomorrow. Cool high pressure to our northeast will aid in giving us the moisture as winds around the anticyclone will be easterly.

A series of weak cyclones along the front will provide the dynamics to give us the rain. The weather will improve on Sunday as a colder, drier air mass from central Canada arrives. A rapid warmup is anticipated for next week.

**Today:** Mostly cloudy and cool. Drizzle or light rain possible. High 63°F (17°C).

**Tonight:** Mostly cloudy and cool. Low 58°F (14°C).

**Saturday:** Mostly cloudy and a bit warmer. Rain or rain showers possible. High 68-71°F (20-22°C). Low around 60°F (16°C).

**Sunday:** A shower possible early, then clearing, breezy and turning colder. High 65-70°F (18-21°C). Low 48-52°F (9-11°C).

# DeConcini and Durenberger Announce Senate Retirement

By Helen Dewar  
THE WASHINGTON POST

WASHINGTON

Veteran Sens. Dennis DeConcini, D-Ariz., and Dave Durenberger, R-Minn., scarred by scandals and plagued by formidable re-election problems, announced Thursday they will retire from the Senate at the end of their third terms next year.

Durenberger, facing criminal charges that he defrauded the government, and DeConcini, bearing multiple wounds including an ethics committee rebuke for his involvement with savings and loan executive Charles H. Keating Jr., were their parties' most threatened incumbents.

In addition to their own vulnerabilities, the decisions reflected a widespread apprehension among lawmakers of both parties as challengers across the country prepare to mount a repeat performance of the kind of outsider, anti-Washington campaigns that triumphed in many races last year.

Three other longtime senators — John C. Danforth, R-Mo., Howard M. Metzenbaum, D-Ohio, and Malcolm Wallop, R-Wyo. — had already announced their decisions to retire next year. Wallop faced the possibility of a tough re-election fight, but none of the three faced anything like the troubles of DeConcini and Durenberger.

While Durenberger's decision came as no surprise, DeConcini's was a shock even to his staff, which had been counting on a long, hard campaign. The Democratic National Committee had just finished running television ads in Arizona touting DeConcini as a hero for voting last month to pass President Clinton's tax and budget package, and DeConcini was in the midst of set-

ting up his campaign organization and raising a huge war chest.

But polls taken for news organizations showed Arizona Secretary of State Richard Mahoney closing in on DeConcini in the Democratic primary and Republican Rep. Jon Kyl running ahead of him in early soundings for the general election — by 20 percentage points in one poll. Another poll indicated that DeConcini's approval rating had fallen by 17 points, to 42 percent in the last three months.

DeConcini, 55, said at a news conference at his Phoenix office that he regretted leaving some work unfinished but was glad to be through with campaign fund-raising, implying that this was a major reason for his decision not to run again. "I detest that part of it. I just have had enough of all the BS that goes along with it," he was quoted by the Associated Press as saying.

It was fund-raising by Keating on behalf of DeConcini and four other senators, who intervened on Keating's behalf with federal regulators, that led to the high-profile "Keating Five" ethics case. The ethics committee found that DeConcini broke no Senate rules but engaged in conduct that "gave the appearance of being improper" and exhibited "insensitivity and poor judgment."

DeConcini also faced controversies over family land deals, an image as a flip-flopper that went back to the Panama Canal controversy of the late 1970s and was reinforced by switches on Clinton's budget and a long-since-abandoned pledge to serve only two terms in the Senate.

In a telephone interview, Mahoney praised DeConcini's service to Arizona and the country and said he thought "it very much of a personal decision — he thought he'd

served well and wanted to move on to other things." Another source close to DeConcini said the senator was "just fed up with everything."

DeConcini said he thought he could have won re-election, and Mahoney said he thought DeConcini was sincere in that view. DeConcini aides said the senator made the decision not to run again last weekend.

In his statement, Durenberger made no reference to his legal difficulties, alluding instead to his "20 years of fulltime public service," which he said was "a long time for a Republican raised in Minnesota's tradition of citizen legislators."

He wanted to continue public service "but not as a fourth-term U.S. senator," Durenberger told a news conference on the steps of the state capitol in St. Paul that was hastily put together after word leaked that he had decided against running again. Durenberger had been planning to announce his decision this weekend at a state GOP convention.

A major Republican player in the debate over health care reform, Durenberger said he would concentrate on the issue in his final months in office, saying his decision not to seek re-election "clears the deck for me to seize this opportunity of a lifetime."

Durenberger, 59, was denounced by the Senate in 1990 for ethical misconduct in connection with a book promotion deal and reimbursements he took from the Senate for staying in a Minneapolis condominium that he owned. He was indicted early this year on fraud charges stemming from the condo deal and faces trial in January.

A paternity lawsuit was dismissed last month after tests showed that the child was not his.

# Hussein Warns Palestinians Against Unreasonable Hopes

By Nora Boustany  
THE WASHINGTON POST

AMMAN, JORDAN

Jordan's King Hussein, who has guided his desert nation through regional crises for four decades, expressed fears Thursday that the shimmering new prospect for Middle East peace may raise political hopes here too abruptly, bringing with it the danger of disillusionment.

As a measure of his concern, Hussein hinted in an interview that parliamentary elections planned for Nov. 8 could be postponed. The elections, which would be the second here since 1989, had been billed as a bellwether of democracy in the Middle East, but the fact that two-thirds of Jordan's 3.6 million people are Palestinians has obviously given Hussein and his government pause.

Speaking of this week's rapprochement between Israel and the Palestine Liberation Organization, Hussein said: "Jordan is worried about the possibility that this opportunity for the establishment of a just and durable peace may raise expectations too quickly and therefore bring with it the dangers of a psychological setback when it is realized how much (more) needs to be done." He avoided any direct reference to ominous forecasts that a Palestinian state could at some point seek to supplant Jordanian sovereignty.

The monarch insisted that his country's avowed march toward multi-party democracy would not be reversed, yet he signaled three times during the interview that plans for the fall elections were being rethought. In sum, he said, his government had not yet decided to shelve the ballot; "however, we have a new situation

now that necessitates us thinking about it and examining it everywhere with the interest of maintaining democracy, yet at the same time maintaining cohesion in the country."

Mustapha Hamarneh, a leading scholar on electoral law in Jordan, argued in a separate interview that the elections "need to be postponed" in the wake of the PLO-Israeli accord—which many Palestinian leaders assume will lead to ultimate confederation with neighboring Jordan, if the Jordanians agree.

"We don't want Jordan to become the center of debate for that process — for or against," Hamarneh said, reflecting widespread apprehension here that any intra-Palestinian discord over the Israeli-PLO agreement is bound to affect stability in Jordan.

"This is the only country in the Arab world where such a debate can take place. It will overshadow all other issues, and this is detrimental for the process of social change here," he said, adding: "How can you have a legislative body that has been chosen exclusively over one issue? These are extremely challenging times for Jordan. ... (PLO leader) Yasser Arafat did not pull a rabbit out of his hat, but a damned camel."

The Israeli-PLO accords envision eventual self-rule for the 1 million Palestinians in the Israeli-occupied West Bank, which was part of Jordan until it fell to Israeli troops during the 1967 Middle East war. Hussein renounced all claims to the territory five years ago, saying this would allow Palestinians there to pursue their ideal of a separate homeland. This action, however, also allowed Jordan to disengage from cumber-

some administrative involvement with West Bank residents and exiles, and it limited West Bank representation in the Jordanian legislature.

Hussein has emphasized in several recent interviews that the time for confederation between Jordan and a Palestinian state had not yet come, pointing out that such an association could only be forged by full-fledged and independent states, still a distant prospect for the Palestinians.

Last Tuesday, Jordanian Prime Minister Abdel Salam Majali spelled out details of a Jordanian-Israeli agenda for further negotiations that was initiated in Washington by both sides that day.

The plan provides for a phased improvement in relations between the two countries that would open the way for "implementation" of measures on which both sides can agree in advance of a comprehensive peace treaty. Such areas of cooperation would include water and energy resources, environmental problems and, possibly, installation of direct telephone links, Majali said.

The most contentious issue in the talks concerns the return of Palestinian refugees who fled the West Bank to Jordan during the 1967 war and afterward. Failing their repatriation, Jordan is insisting on some form of compensation by Israel, in accordance with international law.

Psychological impediments separating Arabs and Israelis would fall if practical solutions materialize, the monarch said. "Barriers would come down if a context of peace and opportunities that were never there would present themselves."

# Young, Healthy May Pay More Under Clinton Health Plan

By Paul Richter  
LOS ANGELES TIMES

WASHINGTON

President Clinton, inaugurating his massive health reform promotional campaign with hard luck tales from the system's victims, acknowledged that even his plan would have short term "losers" — among them the young and the healthy.

In an emotional Rose Garden gathering that Clinton said would "put a human face" on a complex issue, the president and first lady Hillary Rodham Clinton commiserated with 15 Americans who have suffered family separations, wrecked careers and declining living standards because of the health-care system's inequities.

But as he promised that only sweeping reform could remedy their problems, Clinton also stressed — as he never has before — that such improvement would not come without costs.

"I don't want to pretend this is

all going to be easy," Clinton said, pointing out that some of the young and healthy would pay "slightly more" for the standard health care package the government would guarantee. He added later, at a separate event in northeast Washington with small-business owners: "In the short run, we can't make 100 percent of the people winners."

Clinton's shift in tone came as analysts warned that the public might sour on the plan if it doubts the administration's contention that squeezing waste from the health care system will broaden health benefits without major financial sacrifices from any group.

The Rose Garden event, a prelude to Clinton's formal unveiling of the health plan before Congress on Wednesday, was calculated to begin a complicated promotional campaign with an event of maximum emotional impact. And by several signs, it succeeded: Several of the letter-writers choked up as the discussion progressed, and the nor-

mally reserved Mrs. Clinton became tearful several times as cancer victims, grieving parents and imperiled workers told their tales.

Even some of Clinton's critics agreed that the setting played to his strengths, particularly his ability to convey through his words and body language that he cares about ordinary Americans.

"He's very very good at this stuff," said Bill McInturff, a Republican pollster who opposes the Clinton plan.

The gathering, held under a white tent in the Rose Garden because of soggy Washington weather, was begun shortly after 8 a.m., so television stations across the country could show portions during the morning TV news shows. It marked the first time the president and Mrs. Clinton, his chief health care adviser, have presided jointly over a policy event since the inauguration. Vice President Al Gore and his wife Tipper also joined them.

# U.S. Intelligence Concludes China Will Test Nuclear Device Soon

By R. Jeffrey Smith  
THE WASHINGTON POST

WASHINGTON

The U.S. intelligence community has concluded that China is about to conduct the first underground nuclear test in nearly a year, senior officials said Thursday.

The assessment is based on classified U.S. reconnaissance satellite photographs of Lop Nor, China's longtime nuclear-weapons development center, that indicate Chinese engineers recently lowered a weapon down a deep shaft in one of the final preparations for a nuclear blast, the officials said.

While U.S. government analysts have concluded that the weapon could be detonated at any time, they have predicted China probably will defer the nuclear blast until after the International Olympic Committee announces next Thursday whether to hold the 2000 Games in Beijing, the officials said.

China is eager to host the games and wants to avoid doing anything that might harm its chance, the officials said. But they predicted the test would be held within several weeks.

The U.S. Embassy in Beijing has told the government there that any new Chinese nuclear blast would undermine progress toward disar-

mament, officials said. Washington also has organized vigorous private protests from "a large number" of countries in Europe and Asia that want to preserve the worldwide moratorium on nuclear tests, according to a senior U.S. official.

A new Chinese test could create a new political dilemma for President Clinton, who said in a July 3 radio address outlining the U.S. commitment to a nuclear-testing moratorium that if it was "broken by another nation, I will direct the Department of Energy to conduct additional tests while seeking approval to do so from Congress."

But word of the Chinese test preparations has provoked substantial debate within the administration over whether Clinton's promise should be fulfilled, officials said. Some members of Congress have warned that Capitol Hill will not support new U.S. tests unless the Chinese conduct many new blasts and are joined by other nations.

To help decide what to do, officials said, the National Security Council has requested that the departments of State, Defense and Energy develop a variety of options for a U.S. response to the expected Chinese test.

"We would view a Chinese nuclear test with serious concern,"

the senior official said. "We have been actively engaged for several weeks to dissuade China from carrying out such a test ... (including) interventions at very senior levels."

U.S. officials said Undersecretary of State Lynn Davis was told during a visit to Beijing last month that China supported a comprehensive ban on nuclear testing beginning in 1996, a statement that Washington interpreted as a sign that Beijing wanted to conduct at least a few more blasts before then.

Scientists involved in the Chinese program have told visiting Westerners they need the additional tests to design new nuclear warheads containing materials that are less prone to accidental detonation, according to several sources. Chinese weapons are less sophisticated than those made by the United States and probably contain fewer safety features, the sources said.

Several officials said Washington has not made any public comment on the Chinese test preparations so far because White House advisers feared the administration would be embarrassed if Beijing decided to go forward anyway. But one official said many experts had counseled that private protests might have a greater impact than a public condemnation.

# Japan Government Announces \$60 Billion Stimulus Package

By Paul Blustein  
THE WASHINGTON POST

TOKYO

Battling a stubborn recession, Japan unveiled yet another package intended to boost the economy Thursday — and once again, its critics, including U.S. officials, complained that Tokyo is doing too little.

Prime Minister Morihiro Hosokawa's government proposed an "emergency economic package" of public works, housing loans and other measures that it valued at about \$60 billion, plus steps to ease government regulation in 94 areas.

Japan's economic health is of considerable interest to Washington, which has been pressing Tokyo to adopt growth-oriented policies so that Japan will absorb more imports, giving a lift to the economies of the United States and other nations.

In Washington, Clinton administration officials said the package was not enough.

White House press secretary Dee

Dee Myers called the package "a good first step... We hope to see more."

Analysts here in Tokyo questioned whether this package would do much more good than the previous ones, noting that the likely stimulative effect is considerably less than the \$60 billion figure would suggest.

"It's support for the economy, but not stimulus," said Robert Feldman, chief economist in Salomon Brothers Inc.'s Tokyo office.

The announcement comes at a time when Japan's economy is showing fresh signs of weakness. Gross national product, the total value of the nation's output of goods and services, shrank at a 2 percent annual rate in the three months from April to June.

Japanese officials contended that the package announced Thursday differs in an important respect from the previous ones, because it includes not only the deregulation measures but also steps aimed at

passing on the benefits of the strong yen to Japanese consumers.

Those items reflect the priorities of Hosokawa, the first prime minister from outside the Liberal Democratic Party in nearly four decades, who has sought to portray himself as the champion of the ordinary Japanese against the interests of industry and the bureaucracy.

Manae Kubota, chief of the government's Economic Planning Agency, said Thursday's package would boost economic growth by at least 1.3 percentage points.

But many Japanese business executives and private forecasters expressed disappointment with the package, saying it would likely increase growth by less than a half percentage point.

That is because the package, like previous ones, includes billions of dollars in items such as government land purchases and loans that generate little additional economic activity.

# Bosnians Reportedly on Brink Of Signing New Peace Agreement

THE WASHINGTON POST

ZAGREB, CROATIA

Bosnia's three warring factions are reportedly preparing to sign an agreement in principle Tuesday to end all hostilities, assure the unperturbed delivery of humanitarian relief supplies throughout the country and open up all prisoner camps.

According to Bosnian government and other sources here in the Croatian capital and in Geneva, the future agreement would clear the way for a resumption of the Geneva peace talks by putting off the key issue of dividing up territory that led to the breakdown of the negotiations Sept. 1. The new accord also would relieve immediately the suffering of millions of displaced civilians as winter approaches.

Representatives of the Bosnian Serbs and Muslims signed a joint declaration in Geneva Thursday that was nearly identical to one signed Tuesday between the Muslims and Croats. International mediators David Owen and Thorvald Stoltenberg hope to round out the two agreements into an all-Bosnia settlement and persuade the leaders of the three Bosnian sides to sign it Tuesday in Sarajevo, the Bosnian capital.

It was not immediately clear, however, that the new agreement for a cease-fire and other limited confidence-building steps would have any better chance of being implemented than scores of others that have been signed and ignored over the past 17 months of fighting in Bosnia.

Thursday's agreement between the Bosnian Muslims and Serbs was signed by the speaker of the Bosnian Serbs' self-styled parliament, Momcilo Krajisnik, and Bosnian President Alija Izetbegovic, who also signed a joint declaration Tuesday with Croatian President Franjo Tudjman, acting on behalf of the Bosnian Croat faction.

# Gaidar Returns to Yeltsin Cabinet

NEWSDAY

MOSCOW

President Boris N. Yeltsin Thursday said he would return to his Cabinet Yegor Gaidar, the architect of Russia's "shock therapy" economic reforms.

Gaidar, who was acting prime minister until conservative legislators forced Yeltsin to dump him last year, will now be first deputy prime minister.

In a surprise announcement to reporters while visiting a division of elite Interior Ministry troops, Yeltsin said that Gaidar, 37, had agreed to accept the appointment, which will be made officially Saturday.

The decision indicates that liberal reformers may have gained the upper hand in an internal power struggle that had divided Yeltsin's Cabinet and threatened to weaken the president in his ongoing battle with conservatives in Russia's parliament.

Gaidar will replace Oleg Lobov as first deputy prime minister. Lobov, who is also economics minister, had criticized the government's economic reforms and had proposed his own program to stabilize the economy, including giving his own ministry substantially more control over the economy and making wholesale changes in the way Russian enterprises are being privatized. It was unclear whether Lobov would keep the economics post.

At first Yeltsin accepted Lobov's program, but that infuriated other Cabinet members, who said it would undercut the reforms and return Russia to Soviet-style central economic planning. Last week Yeltsin told his feuding ministers that they should work out the conflict for themselves and come to some sort of compromise.

The return of Gaidar suggests no compromise at all. Instead, it is a hugely symbolic action for Yeltsin, who was forced to dump the young economist in December in a bitter power struggle with Russia's Congress of People's Deputies.

# Some Islamic Groups Dislike Pact

THE BALTIMORE SUN

BET LATHIA, ISRAELI-OCCUPIED GAZA STRIP

Beneath a poster of a bloody dagger, Mohammed Mahmoud Tantawi said Thursday that the violence against Israel will not end. If a new Palestinian government intervenes, he said, smiling, "we welcome a fight with them, too."

The biggest threat to the autonomy plan reached between Israel and the Palestine Liberation Organization is violence from men like Tantawi, one of about 1,000 who chanted against Israel and the PLO at a rally Thursday by the Islamic Jihad opposition group.

PLO Chairman Yasser Arafat Thursday urged a summit conference in Yemen with all opposition groups to avoid civil war when Israel turns over the Gaza Strip to Palestinian control in three months.

Hamas, the largest opposition group inside the occupied territories, apparently already has made the pledge. A PLO official in Gaza confirmed that Hamas gave its agreement Thursday morning not to fight the PLO. In Tunis, the PLO released an agreement signed by Hamas and the PLO to respect a "code of honor" not to fight.

In numerous recent interviews, Hamas supporters in the Gaza Strip acknowledged that they have lost much public support and conceded that opposition could be crushed by the most powerful PLO faction, Fatah.

But there are other splinter groups, and rebels from the mainstream, who are ready to fight against the new agreement, whether that fight is against Israelis or the PLO. They say they will not stop attacks against Israeli targets.

"The intifada is not over," said Tantawi, a former policeman in Gaza. "It will continue until we get our territories back."

Old opponents of Arafat — Nayef Hawatmeh of the Democratic Front for the Liberation of Palestine, and George Habash of the Popular Front for the Liberation of Palestine — have been clamoring this week for such an event. Thursday, they were joined by the Ayatollah Ali Khamenei, the spiritual leader of Iran, who is considered to influence Islamic groups. He promised that "Palestinian fists will keep hitting the heads of usurpers."

Such outside voices have only a muted effect inside the occupied territories. But Arafat does have to worry that his peace-keeping moves do not outpace his supporters, who are accustomed to decades of avowed resistance to Israel.

Arafat has hinted — but not openly said — that the intifada will continue until Israeli troops completely vacate the West Bank. Total withdrawal is not contemplated under the agreement for at least five years — if at all.

# OPINION

## Letters To The Editor



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## LSC Poster Is Off Target

I would like to draw the attention of the MIT community to a recent poster displayed on campus. The ad pictures four women trying to get students to join the Lecture Series Committee. The reason I point out this particular poster is that three of the women in the poster are holding guns in their hands with their fingers on the triggers. Obviously, if they had ever taken basic pistol at the indoor range in DuPont Gymnasium, then they would know that they were mishandling the firearms.

These young women could have also asked any member (or our coaches) of the pistol and rifle teams for help with the ad, but instead they proceeded to have their pictures taken with their fingers on the triggers! I am sorry to see how greatly these students have been affected by Hollywood and the media, for the first rule of gun safety is: "Never put your finger on the trigger unless you are ready to fire."

It is cases like these that incorrectly make people think that having a firearm is a glamorous thing. I resent the act that avid anti-gunners than think that all people who own firearms treat their guns in this fashion. I am

an avid recreational shooter and fight hard to protect my right to own guns, but when things like this occur, I feel it is necessary to alert the public to the misrepresentations of firearms by naive people.

If any of these of these young ladies would

like to learn how to handle and/or shoot a firearm *correctly*, I would be more than willing to meet with them down at the range (I am an NRA certified pistol and personal protection instructor). Give me a call.

Deborah A. Fonda



## Moving and Storage Can Be Precarious

Column by Michael K. Chung  
OPINION EDITOR

Many area college students were affected by the recent bankruptcy of a local storage company, namely the Castle Moving Company of Boston. According to *The Boston Globe*, Castle had rented 9,000 square-feet of storage from the Village House, an independent company in Brookline. According to the owner, poor management and organization throughout the spring and summer depleted their funds, and forced their closure several weeks into the school year.

The *Globe* article claims that students from Boston University, Harvard University, and

Boston College complained of un-delivered electronic equipment including stereos, computers, and cameras. On average, these students paid between "\$250 and \$450 for pick-up, storage, and delivery." Students having such troubles were described by the owner of Castle as not having labeled their belongings properly. The *Globe* said that after investigating complaints about Castle, the owner "displayed bad business organization but not criminal intent."

I know of at least one MIT student who has suffered through Castle's losses. Therefore, I suggest to all MIT students in dormitories, particularly freshmen, to investigate the options

of summer storage thoroughly. For instance, each of the on-campus undergraduate dormitories provides storage space for all residents free-of-charge. If this won't work, you should leave things with friends staying on campus.

If your friends' rooms fill up with your things, I would recommend finding a reputable storage company, U-Haul for example. Talk to people around your dorm and to the company representatives (if there are any, since many of them simply leave things in dormitory mailboxes, or in the case of Castle, underneath your door) before you find that your parting with your belongings lasts longer than you had anticipated.



## Opinion Policy

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

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

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

**Letters to the editor** are welcome. They must be typed, double-spaced and addressed to *The Tech*, P.O. Box 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 date of publication.

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

## To Reach Us

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

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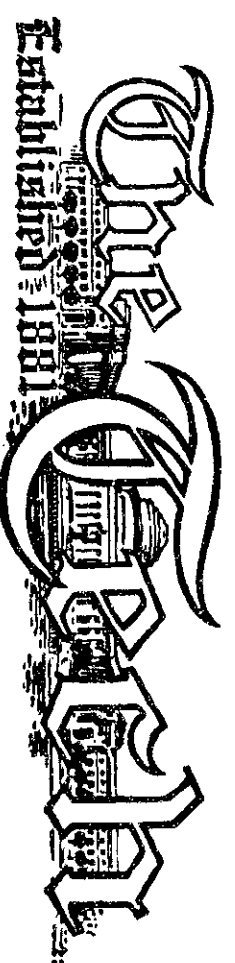
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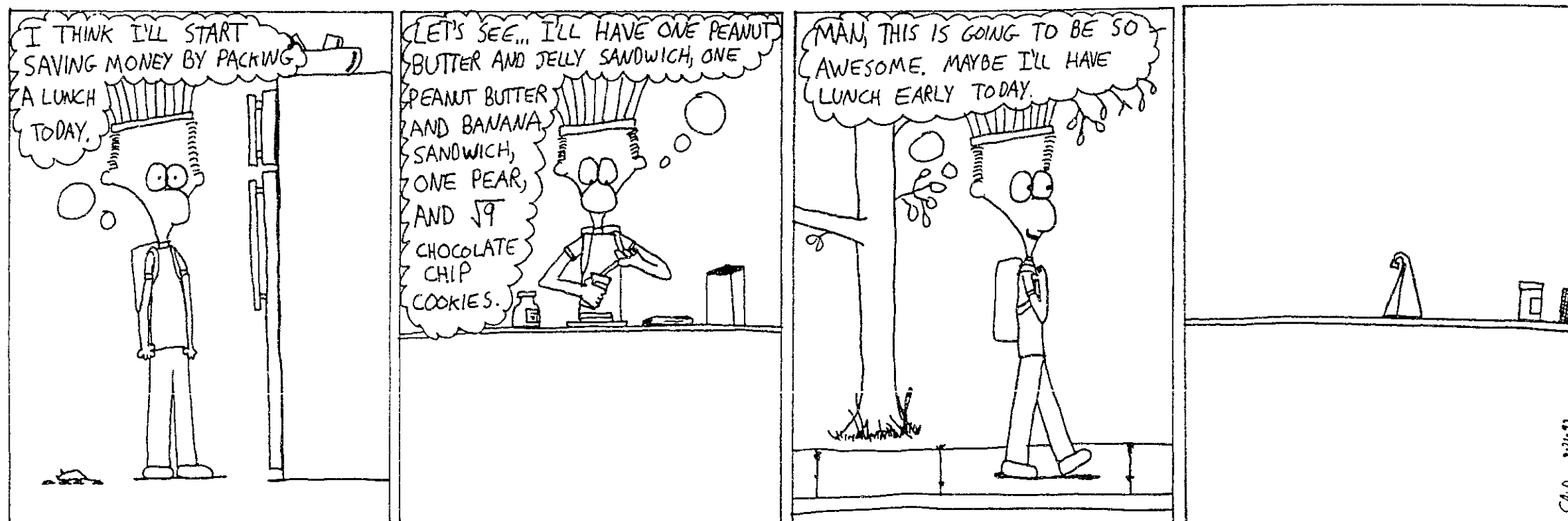
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## Nick

by Chris Doerr



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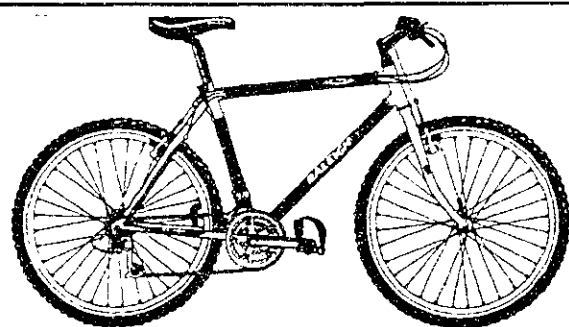
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## THE ARTS

## ON THE SCREEN

— BY THE TECH ARTS STAFF —

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

## ★★★ Benny &amp; Joon

Aidan Quinn and Mary Stuart-Masterson star as Benny and Joon in this offbeat romantic comedy. Joon is mentally ill and spends most of her days painting and eating peanut butter. Benny is her guardian and only family. Sam (Johnny Depp) is their new housekeeper, whom Joon "won" in a poker game. Quinn and Stuart-Masterson hold their own and provide a dramatic side to the story as we watch their relationship grows apart throughout the movie. But it is Depp's performance that steals the shows with his outrageous antics and expressions. Depp's completely unpre-

dictable actions will make you laugh and provides a humorous look at the often-ignored subject of mental illness. —Patrick Mahoney. *LSC Saturday*

## ★★★ The Firm

Director Sydney Pollack has assembled a fine ensemble cast in this screen adaptation of John Grisham's *The Firm*. Mitch McDeere (Tom Cruise) graduates from Harvard Law School and accepts a huge salary from a small Memphis, Tenn. firm. He discovers the firm works for the mob and develops a risky plan to expose the firm without going to jail or getting killed (with a little prodding from the FBI). The plot is fast paced — a two-and-a-half hour movie feels like only two hours — and the cast is outstanding. Cruise acts relatively well, but his co-stars sparkle. Gene

Hackman gives a performance that virtually guarantees him another Oscar nomination as Avery Tolar, a lawyer who has been corrupted by years at the firm, but still recognizes the idealism he once had; Holly Hunter is devastatingly funny as the secretary who helps Mitch pull off his scheme. Ed Harris, as the FBI agent working to expose the firm, and Wilfred Brimley, as the sinister security chief for the firm, are also noteworthy. —Jeremy Hylton. *Loews Copley Plaza*

## ★★★½ The Fugitive

The ultimate chase movie begins with the ultimate special effect — a train and bus wreck staged not with miniatures, but with the real thing. The wreck frees Dr. Richard Kimble (Harrison Ford), wrongfully convicted of murder, from the bus transporting him to

prison, setting up a two-hour chase between Ford and his pursuer, the dedicated federal marshal Sam Gerard (Tommy Lee Jones). Ford is the big name star, and though he gives a great performance, Jones gets all the good lines. His single-minded devotion to upholding the law makes him, in a strange way, a more interesting character than intelligent nice guy Kimble. "I didn't kill my wife," insists Kimble, trapped in a drainage pipe; "I don't care," replies Gerard, and attempts to bring in his suspect. *The Fugitive* is an exciting movie, and a well-paced one, too, as Kimble's escapes grow ever more narrow and improbable, eventually leading up to a taut climax and a satisfying ending. For once, the hype was worth the wait. —Deborah A. Levinson. *Loews Cheri*

## ★★★½ In the Line of Fire

Clint Eastwood follows up *Unforgiven* with this gripping thriller about a Secret Service agent tracking a psycho stalking the president. Eastwood, crusty as ever, plays Frank Horrigan, ostensibly the last active agent present at the Kennedy assassination. John Malkovich brings incredible creepiness to the character of Mitch Leary, an ex-CIA killer obsessed with presidential assassins. Leary torments Horrigan with phone calls mocking Horrigan's inability — or unwillingness — to sacrifice himself for Kennedy, and leads the Secret Service on a cross-country chase, always several steps ahead of the game. The script is impressively tight for one not based on a book, and Eastwood and Malkovich both give over-the-top performances. If only Rene Russo's Secret Service agent had more to do than be a foil for Horrigan's sexist remarks and later, be his love interest. —DAL. *Loews Copley Place*

## ★★★ Jurassic Park

Michael Crichton's dinosaur epic translates well to the big screen (not surprising given that the book read like a screenplay), and Steven Spielberg does a good job in metamorphizing the dinosaurs from harmless cuties to malevolent predators. Despite fine acting from Sam Neill and Laura Dern as an



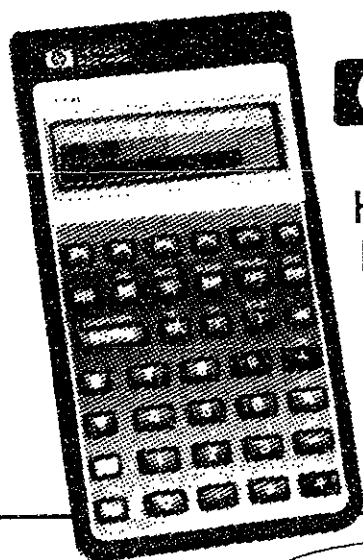
Craig Sheffer, Brad Pitt and Tom Skerritt star in *A River Runs Through It*, a drama about the American family.

On the Screen, Page 9

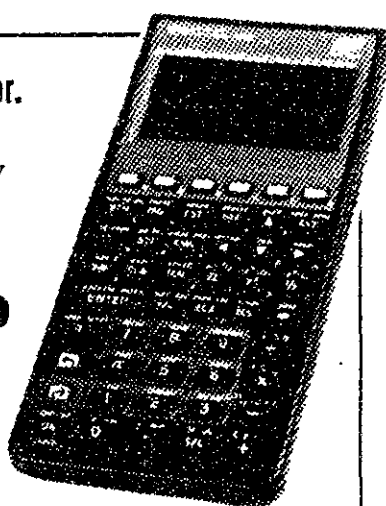
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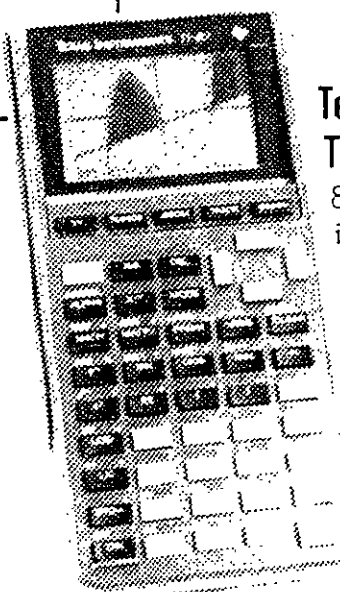
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Jim's Journal

Today I was just sitting around watching TV. (Bewitched was on)

Kurt, Tony's friend, came over. He was eating a bag of cheese puffs.

Tony wasn't around so Kurt came in and waited for him.

He sat and watched Bewitched with me and laughed out loud.

Jim's Journal

I walked into my apartment today and Mr. Peterson came running towards me.

I held out my hands and said, "Hi, Mr. Peterson, come here."

She ran right under me and into the hall.

I tried to coax her back inside, but she liked being out in the hall a lot better.

Jim's Journal

Today I was getting something to drink from a pop machine with Tony.

I put my money in and the can came right out.

Tony put his coin in, pushed the knob, and nothing happened.

"Oh no!" he said.

Then, after a couple seconds, the can came tumbling down. "Whew!" Tony said.

Welcome Back Students

Step right up to the Office of Career Services Room 12-170

Its that time of year again and On Campus Recruiting has now officially begun -

The first flyer is already available in our office -

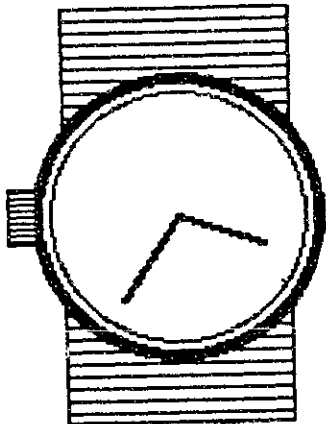
The schedule of companies recruiting for Fall and Spring is now available -

First week of interviews start on October 6th -

Don't wait until the spring -

Many of the companies visiting MIT will interview only in the fall for students who are graduating in May 1994

The Staff in the Career's Office looks forward to meeting you!



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Donate Your Kid To Science: Seeking Children 8-10 years old whose first language is English to serve as control subjects in a language study conducted by the Department of Brain and Cognitive Sciences. For more information e-mail: marie@psyche.mit.edu or call x3-8408.

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# ON THE SCREEN

— BY THE TECH ARTS STAFF —

## On the Screen, from Page 7

archaeologist and his paleobotanist girlfriend, the dinosaurs, both animatronic and computer-generated, are clearly meant to be the stars of the film. Most realistic of the menagerie is the sick triceratops lolling on her side; least, the herd of grazers that stampede across a field as Neill and two children run for cover. It's good to see Neill, a talented actor and star of many British and Australian films (including *My Brilliant Career*) and Dern, who finally started to get plum roles after her success in *Rambling Rose*, get the exposure they so richly deserve. *Jurassic Park* isn't stellar filmmaking,

but its individual elements add up to make it a whirlwind, entertaining ride. —DAL. *Loews Charles*

### ★★★ Manhattan Murder Mystery

Woody Allen's latest tale of angst-ridden New York intellectuals tells the story of a mild-mannered book editor (Allen) and his energetic but bored wife (Diane Keaton) as they become involved in solving an alleged murder case. As in any Allen film, sexual tensions complement the action, with old friend Ted (Alan Alda) coming on to Keaton's character, and sexpot author Marcia (Anjelica Huston) setting her sights on Allen. The result

is \$6.75 worth of stakeouts, soulful stares, sexual stress, and silliness. *Manhattan Murder Mystery* may center upon a rather bland murder plot, but it also provides a tight script, savagely spastic Allen performances, and the excellent supporting cast audiences have come to expect from an Allen film. —Matthew H. Hersch. *Loews Harvard Square*

### ★★★ Much Ado About Nothing

Actor/director Kenneth Branagh once again brings Shakespeare to the big screen, this time with a frothy comedy set in a sun-drenched Tuscan villa. Though the list of sup-

porting cast members is impressive — Denzel Washington, Michael Keaton, and Brian Blessed, to name a few — all are outshone by Branagh's Oscar-winning wife, Emma Thompson. As sharp-tongued Beatrice, Thompson steals nearly every scene she's in; every scene, that is, except those with Branagh, who plays certified bachelor Benedick. The screen fairly sparkles when the pair is on and conversely, is merely ordinary when they are not. Of course, this is not so much the fault of the actors or directors as it is of the play, which surrounds Beatrice and Benedick with a cast of one-note characters (particularly lovers Claudio and Hero, who define young, beautiful, and vapid). The cinematography, however, is lush and gorgeous, and Branagh brings a lightness to Shakespeare's often slapstick and off-color humor that makes the film well worth watching. —DAL. *Loews Harvard Square*

### ★★★½ A River Runs Through It

Robert Redford directs this movie about the growth of a family — its two sons in particular — in a small Montana town between 1910 and 1935. The movie moves slowly, but elegantly. Redford doesn't worry too much about actual events; instead he focuses on the spirit and the emotions of the family. The father, a Presbyterian minister, (Tom Skerrit) is stern and reserved. He educates his sons, Norman (Craig Sheffer) and Paul (Brad Pitt), at home, but instills his most important lessons in church and fly fishing. Ultimately, the movie is about fly fishing, insofar as it represents grace, peace, and the ideals Skerrit tries to instill in Norman and Paul. The movie is also about the boys' coming of age: Norman is serious and studious and works hard to make a future for himself, Paul is reckless, spending more time drinking and gambling than working. The kinship between them is strong and the differences they realize as they grow up are painful. The story is compelling and heartfelt but understated, relying on surprisingly successful narration by Redford. The photography is lush and gorgeous. —JH. *LSC Sunday*



Mitch McDeere (Tom Cruise) discovers his new law firm is not what it appears to be in *The Firm*.

## meal plans

Meal Plans are available at any dining center cashier, at the Customer Service Center (W20-507), or at the Meal Plan Office (E32-200).

For more information, call 3-2814 or 3-2815.

## get yours yet?

## GUEST SPEAKER COMMENCEMENT 1994

The Commencement Committee invites suggestions for the guest speaker at MIT's Commencement Exercises on Friday 27 May 1994 from all members of the MIT Community. The Commencement speaker should be one who will be able to address topics of relevance to MIT. Written suggestions may be dropped off at the following locations:

Undergraduate Association Office  
Room W20-401

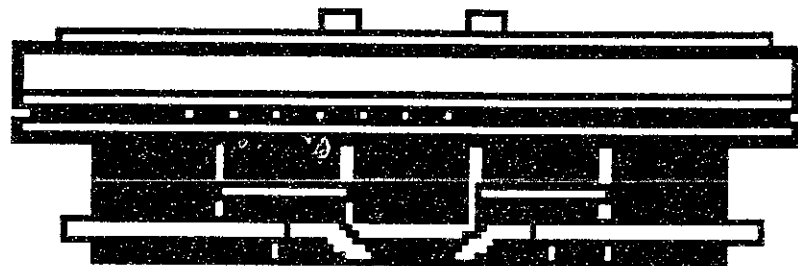
Graduate Student Council Office  
Room 50-222

Information Center  
Room 7-121

The deadline for suggestions is Friday 24 September. In addition, suggestions may be filed with Mr. Caryl B. Brown—President of the Graduate Student Council, Ms. Ann Chen—President of the Class of 1994, and Miss Mary L. Morrissey—Executive Officer for Commencement.

All suggestions will be reviewed and a list will be submitted to President Vest for consideration. The list will not be made public nor will it be rank ordered. The responsibility and authority for selecting a Commencement guest speaker and issuing an invitation will rest with President Vest.

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# Session Investigates Design and Manufacturing

By Eva Moy  
NEWS EDITOR

Industry is increasingly recognizing the success of concurrent engineering and implementing its use in design and manufacturing,

which span most of the product development process.

Two of the sessions at the Industry Summit last weekend addressed this issue. "Design: The Next Imperative of Industrial Competi-

tiveness" featured panelists Woodie C. Flowers PhD '73, professor of mechanical engineering, G. Glenn Gardner, general manager of large car platform engineering at Chrysler Corp., Peter G. Lawrence, chairman

of Corporate Design Foundation, and Session Chair Thomas L. Magnanti, professor of management science and co-director of the Leaders for Manufacturing Program.

Sloan Professor of Management and Leaders for Manufacturing Professor Arnoldo C. Hax led a session on "Emerging Best Managerial Practices."

"Human and organizational development approaches such as greater employee empowerment, reliance on autonomous teams, and flattened organizational structures are as key to enabling process change as any technical tool," Hax said. "In fact, information technology is rarely effective without simultaneous human innovations."

"As work becomes more participative and team-oriented, this distinction between manager and non-manager begins to fade," he said.

## Customer needs must come first

"The product is the object at the intersection of the company and the user," Lawrence said.

A company must "operate as if the final customer ... was the only focus of the team," with personal and company goals given lower priority, Gardner said. "The customer is always the one at the table with you."

Chrysler needed to make changes in its corporate structure to survive, much less compete, Gardner said. He described the "LH" team at Chrysler that experimented with a platform team design structure to increase competitiveness.

The team rejected the "throw-over-the-wall" approach, where each section of the company works independently, Gardner said. Instead, it brought together suppliers, and design, engineering, manufacturing, and marketing sections from the beginning, he said.

Individual members had their own goals, responsibilities, authority, and plans for profitability. Non-critical items, such as briefings and coordinators, were removed from the critical path. The technical level, not managerial level, now made the decisions, Gardner said.

The LH team reduced the development time from 4.5 to 3.5 years and personnel from 1400 to 741, representing a savings of \$42 million. The overall product came in under-weight, \$20 under target, and had better fuel economy.

Lawrence also gave the example of Xerox Corp., which "shifted from machine-centered design process to user-centered design process" to try to regain its market share. Xerox

observed photocopier users and projected their needs. They also used models and crude prototypes early in the design process.

## Need to know competitors

Along with teamwork, management is also important in a company's higher levels. Managers need to be clear about who the company's competitors are, on a regional, national, and international scale, Hax said.

Competitive benchmarking "is the continuous process of measuring products, services, processes, and practices against the toughest competitors or those companies renowned as the leaders," Hax said. But he warned that standards should be established, because benchmarking against different classes of companies may cause distractions in the goal of a company.

Managers need to determine "the key perspectives that [they] have to keep track of in [their] businesses," Hax said.

"We regret that our survival is at risk against Japanese companies, let alone domestic," Gardner said. Chrysler's LH team was an experiment to compete against Japanese and other American companies, not just to survive.

## Design and manufacturing tools

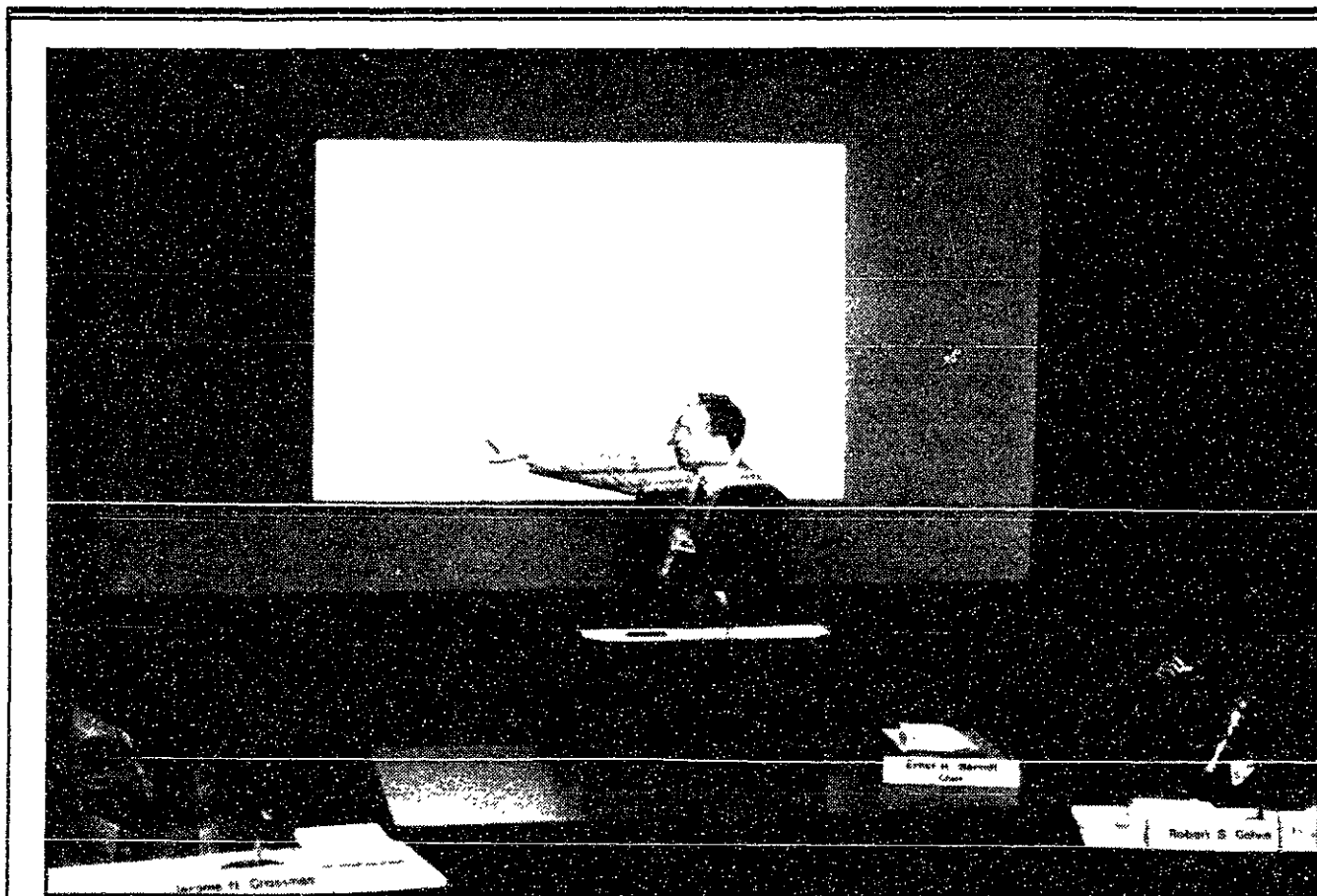
Cooperation between design and manufacturing is especially important, both for total preventative maintenance and design for manufacturability and assembly, Hax said.

Flowers also emphasized concurrent education, citing programs at MIT such as the class Design Projects (2.73), the Leaders for Manufacturing program, and the New Products Program.

Designers use tools such as the House of Quality and Quality Function Deployment, which correlate customer demands with engineering attributes. Using computer aided engineering and computer aided design, parameters can be changed and redesigned with a single keystroke.

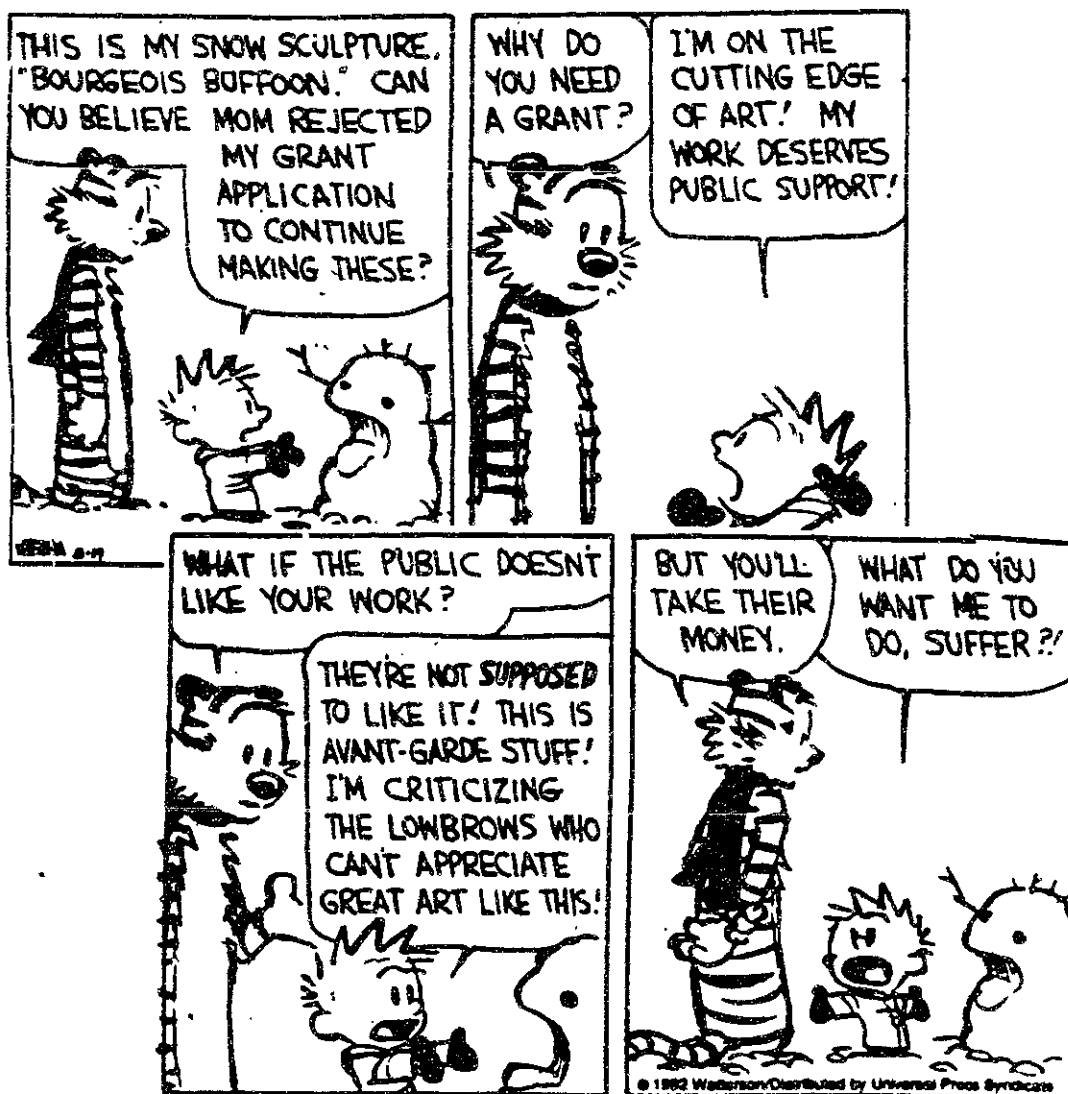
Even with this technology, designers still need to consider tradeoffs between analysis and testing, risk and comfort, and method and free form, Flowers said. Manufacturing engineers also need to consider cost, quality, speed, and flexibility of the manufacturing processes, Hax said.

It is "more costly to do things wrong than do things right," Hax said.



Uwe Reinhardt describes his forecast of the rising cost of medical care.

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# Sessions Focus on Health Care Crisis and Reform

By Sarah Y. Keightley  
NEWS EDITOR

Health care, a hot topic with President Clinton on the verge of announcing his new plan, was the focus of two interactive sessions during last weekend's Industry Summit. All the panelists agreed that the U.S. health care system is undergoing a crisis and needs national reform.

In "Health Care Crisis," the session chair Ernst R. Berndt, area head for economics, finance, and accounting for the Sloan School of Management, opened by saying that there is a "diversity of interest in

health care." The diverse membership of the panel, which included representatives from medicine, industry, academic, and insurance, supported Berndt's statement.

Uwe E. Reinhardt, James Madison professor of political economy at Princeton University, said that one dimension of the crisis is cost. In the 1970s, health care costs increased rapidly in all developed nations, he said. By 1980, most of these nations — except the United States — had geared the growth of health spending to the growth of their gross national product. According to Reinhardt's graphs, if

U.S. health spending were to increase at its current inflation rate, by 2000 it will be 18 percent of our GNP, by 2050 it will be 49.6 percent, and by 2100 it will be 81.5 percent.

Toward the end of the session, Berndt noted that the speakers focused on two themes: cost versus benefit analysis, and reform that is already occurring outside of Washington.

## Benefits versus cost

The panelists agreed that the high cost of health care was detrimental, but that quality needed to be

maintained while reducing costs. Stephen L. Brown, chairman of John Hancock Mutual Life asked, "We need to find a way to measure benefits, as well as cost. ... But will lower cost lead to a sacrifice of quality?"

The main problem is that the cost of health care benefits is using up purchasing power, said Jerome H. Grossman, chairman of the New England Medical Center and professor of medicine at the Tufts University School of Medicine. It is the "largest drag on economic growth" for individuals and companies, he said. "Regardless of what comes out [of the government], change will go on because we can't tolerate this rate of [inflation], and the idea we're moving to makes sense," Grossman said.

We need to reward and sanction performance that has quality and efficiency, Grossman said.

Care deliverers should restructure and reorganize around patients' needs, Grossman said. Fifty percent of the money spent on health care is not necessary, he said. A lot is spent on administrative work, he continued. "It's not that we're giving too many MRIs, rather it is the time spent writing, scheduling."

"The problem with health care is that there is no standard by which providers and customers can measure quality," said John W. Brown, president of Stryker Corp. "High quality health care at reasonable costs is what we want. ... To get better control of cost we will have to get better control of quality."

In most major purchasing decisions we choose carefully, but there is very little customer research in health care spending, John Brown said.

Another complaint with the current health care system is that because most people receive their

insurance through their employers, they are not covered when they are between jobs or do not have jobs.

"Employees have insurance of insurance," Reinhardt said.

## Insurance company's view

John Brown called health care "the single most complex issue this country has ... tried to reform." He noted that there is a singling out of villains. Because the "Clinton administration has identified insurance companies as villains. I'm concerned," he said.

Stephen Brown was troubled by how everyone who has "day-to-day interest" in health care spending, such as doctors and insurance companies, were excluded from making the reforms because they were considered to be a part of special interest groups. "The United States has a higher degree of societal problems which helps drive up cost," he said.

Insurance companies support universal access to medical care. However, they do not support limiting consumer choice, "arbitrary and capricious price controls," or mandatory health insurance purchasing plans, Stephen Brown continued. They want "reform on a platform of openness."

## Reform through industry

Most of the speakers concurred that a U.S. health care revolution is inevitable and that some reform has already occurred through industry.

"Something is going to happen from the Fortune 500 companies rather than the government," said John Brown.

Robert S. Galvin, manager of health care and medical services at General Electric, explained how his company has already taken action. In the United States, the employer



Robert Mann, Michael S. Dukakis, David L. Weltman, and Samuel O. Thier discuss the future of medical care at a Saturday session of the Industry Summit.

YUEH Z. LEE—THE TECH

Health, Page 13

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# Digital Media Force Changes in Artists' Work

By Eva Moy  
NEWS EDITOR

Even art was featured at the Industry Summit held last weekend. The interactive session, "Arts, Technology, and Business in the 21st Century," described how rapid technological growth has and will affect art.

Recent developments in digital technology have facilitated the creation, recording, and distribution of art work. But they also raise questions of artistic control, intellectual property rights, and the relationship of the original artwork and its copies.

"With the growing importance of digital media in the art world, [there is] a need for new sorts of organizational structure," both in terms of cataloging artwork and supporting artists, said William J. Mitchell, dean for the School of Architecture and Planning and chair of the session.

Digital imaging is less expensive than non-digital imaging, in terms of overhead, storage costs, and physical retrieval of the artwork, said panelist Michael Ester, president of Luna Imaging. It also provides better security and multiple-user access, he said.

In addition, digital images are "immune to subsequent deterioration." On the other hand, some artwork, such as photographs, deteriorate quickly, with a projected loss of

about 15 million works over the next 10 years, Ester said. Although color film has a life of 200 years, it has only a 15 year half-life, he said.

With a digital system, "the same uniform high quality can be used for all images," Ester said. Digital imaging will promote even quality so that illustrations can focus on content rather than color and size as criterion for publication, he said.

But because of inconsistencies in digital image quality ranging from color corrections to varying display and print equipment, standards for archival quality still must be developed, Ester said.

In a digital system, text and images can also be combined to create a complete record of the work. "The image is just one more description of a work of art," Ester said.

## Government, industry play roles

The government and corporations complement each other in the support of artists and their work.

The government can promote art and artists by providing incentives and disincentives, manipulating and redefining systems of property rights, and providing information, said Mark Schuster, associate professor of urban studies and planning.

In the United States, art institutions can receive financial support

through federally-funded grants which match the amount already raised through private means.

But in some countries, like Germany, corporations pool their money together to support these institutions, Schuster said. Perhaps they "didn't feel they had the exper-

tise [to sponsor] on their own," but still wanted to make a contribution, he said.

Sometimes government agencies may create autonomous organizations to promote cultural events. These organizations are kept "at arm's length from the government"

to try to appear more attractive to private supporters who may otherwise be wary of the government's use of the money, Schuster said. For example, the Boston 200 Corporation was created to raise money for Boston's 200-year anniversary celebration.



President Charles M. Vest and Klaus Schwab, president of the World Economic Forum, listen to Lester Thurow speak at the closing session of the Industry Summit.

JOSH HARTMANN—THE TECH

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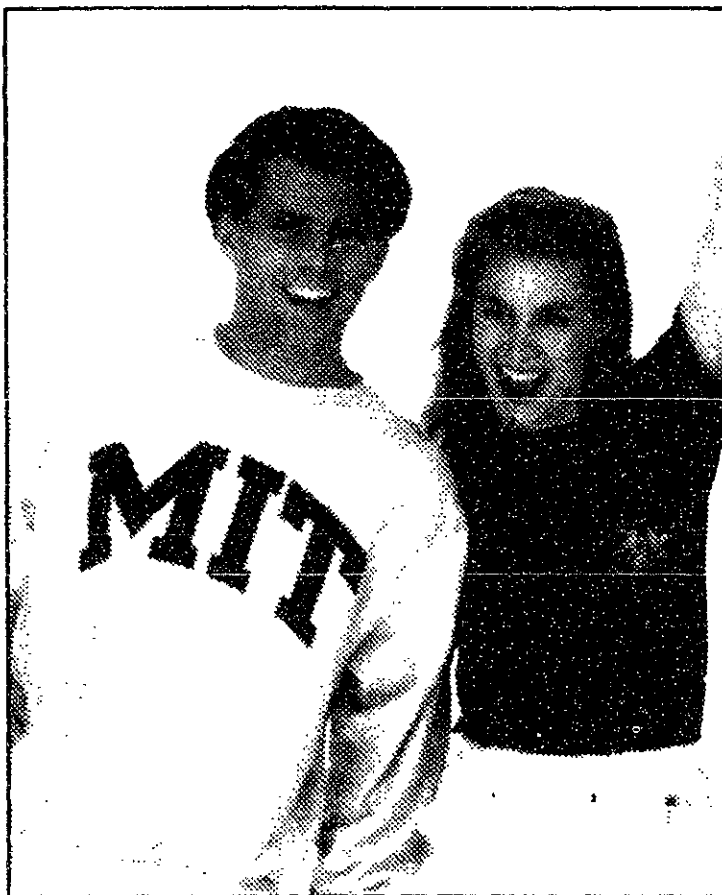
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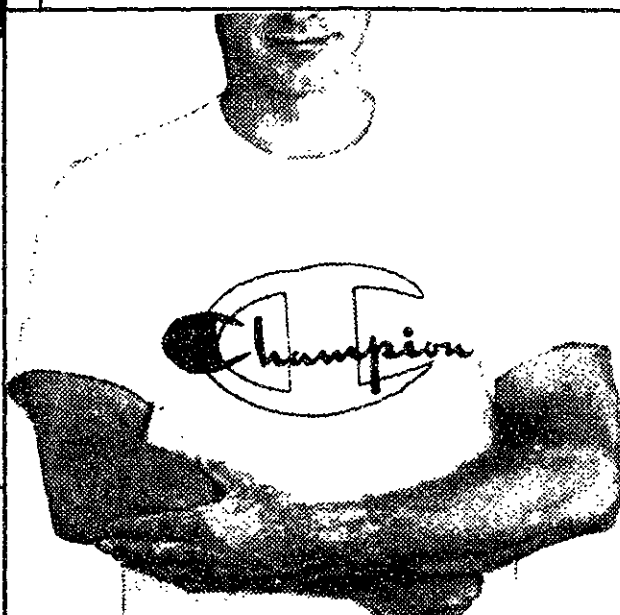
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# Panelists Consider Changes In the 'Television of Tomorrow'

Television, from Page 1

rather are the result of a "convergence of technology," since many technologies are reaching the point to make these changes possible.

### Cost of technology questioned

When an audience member asked, "Who is really going to pay for [the technology]?" each of the panelists addressed the issue of the actual costs associated with the technology and how they will be paid for.

Panelists agreed that new services like video-on-demand provide a massive market which will subsidize the costs of implementing the technology.

Similar to the current idea of pay-per-view movies, video-on-demand exploits the ability of broadcasters to send a signal to a particular household, and allow individuals to order a particular program at any given time. With the VCR video rental industry currently

renting an average of 600,000 to 800,000 movies per night, "by any measure this is a tremendous opportunity," Carberry said.

Between video rentals, special events, and games, Carberry said that there is currently a \$12 million market available for video-on-demand to tap into.

"If you are going to ask who is paying for it, you have to ask what they are buying," said Lippman, warning that the user will indeed face higher prices for televisions, since the services provided will be vastly expanded. "The value of those things taken together may be what turns your corners," he said.

### Risks of new technology

With the ability for broadcasters to target individuals, the panelists warned that the issue of privacy becomes an important question. Under the new technology, advertisers would be able to specifically direct advertisements to those individuals who need a product most.

In one experiment, an individual's purchases at a supermarket were used to predict when the optimal time would be to direct advertisements to him, Carberry explained. "What is not clear is whether people want to know that you know that their toothpaste is about to run out," Carberry said.

The panelists also addressed what affect the new technology would have on the value content of programming. As with any sort of a massive public network, the barriers to entry are diminished, and the user has a much greater control over the content, Carberry said. Thus, with a nearly unlimited number of channels available, there would be a much larger amount of low-value programming. However, the panelists agreed that content will prevail and the programming viewers want will be what is available.

"In the world of infinite channels, we will be able to deliver arts economically," Sikes said.

# GE "Smart" Health Care Plan Uses Managed Care, Prevention

Health, from Page 11

became responsible for health care cost about 50 years ago, he said. In the late '70s and '80s, there were double-digit increases in health care spending, he continued.

GE decided to be a "smart purchaser for health care" and look to another GE department to see how they purchased their goods, Galvin said. GE's solution was to use managed care, such as a health maintenance organizations, where patients pre-pay and can only see a specific group of doctors.

According to Galvin, because 50 to 60 percent of diseases are preventable and related to risky behavior, such as smoking, the components of the GE health program include: prevention, like fitness center and wellness programs; programs for high pressure detection and cholesterol screening; and a 24-hour health line staffed by nurses that employees can call.

The program is "hard-headed and soft hearted," Galvin said. The key is "rewarding the best supplier with volume."

### Second session has same message

At the second health care interactive session "Resources for Medical Care in the 21st Century," panelists made predictions similar to the first session panel.

Samuel O. Thier, president of Brandeis University, said he was certain the system will change. For

reform, "We need to be sure quality is excellent while controlling the cost. Also we want to reduce provider disbursement, control liability, and administrative expenses."

Former Massachusetts Governor Michael S. Dukakis said that the United States is the only country that does not require a primary practitioner to refer the patient and act as a guide. Instead, most people see specialists. "A lot of people in this country are very spoiled," he said. Reform "will require patience." Health care reform will affect many groups, he continued.

"There will be an enormous impact on the insurance companies," he said. "The larger ones will survive, but not necessarily prosper. The small companies will go out of business or be merged unless they change their ways." "There will be an impact on the pace of drugs and equipment development since a lot of [health care] money goes into research," Dukakis said. "The kind of money that has made [medical technology] possible isn't going to be there."

"There is an expectation in this society which will take 20 to 30 years to change," Thier said. "This is restricting access to high technology."

Dukakis added, "There is going to be an impact on the legal system in the country, such as malpractice limits."

"We will also have to confront ethical and moral issues such as prema-

ture infants and the elderly," he said.

Furthermore, there will be implementation problems and political problems, Dukakis said. The health alliances that the Clinton administration is proposing are going to have a lot of political and economic clout, he said.

Dukakis said he supports much in Clinton's plan, but is "wary of [the health] alliances" because of their economic clout.

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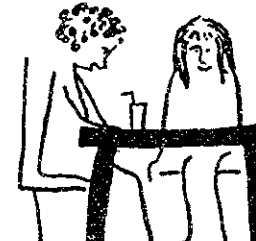
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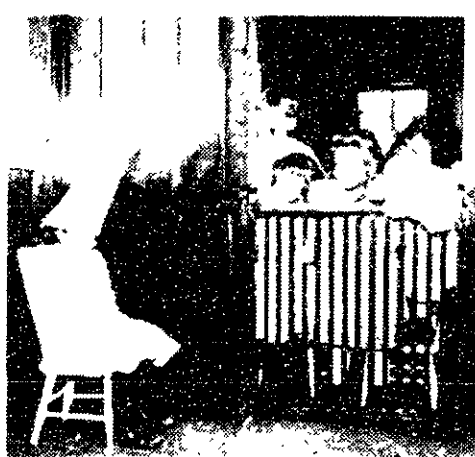
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## Panelists Agree International Effort Needed for Environment

Environment, from Page 1

trialized countries. Also, local, tropical deforestation seems to be leading to a worldwide oxygen and carbon dioxide imbalance in much the same way in the coming few decades.

Although the panel agreed that there is clearly a need for international organization concerning the environment, Maurice F. Strong, chairman and of Ontario Hydro of Quebec, asserted that a "world government" is "neither necessary nor desirable." Instead, he looked to international agreements such as those formed at the 1992 Earth Summit in Rio de Janeiro as the road to environmental government.

The internationally-known explorer and outspoken environmental advocate Jacques-Yves Cousteau looked to the United Nations to provide a coordinated, international environmental protection force, known so far as "Green Helmets," to react to environmental stresses worldwide. Cousteau, who is also a member of the U.N. High-Level Advisory Board for sustainable development, noted that there has already been some discussion of such a force in UNESCO and among member nation governments.

### Fostering development

The practical questions of how to safeguard the environment while fostering sustainable development and of how to deal with current environmental problems drew a wide range of comment, not all of it optimistic.

While Strong said he viewed the

results of the Rio conference as the basis of a major shift in global environmental awareness, he added that the will to follow up Rio "for now is not promising." While he congratulated the participants of the Rio conference on their success, he questioned their "degree of commitment" for the future.

Strong also expressed his extreme concerns about "the rich/poor dichotomy" between the countries of the North and those of the South. The panelists agreed that global sustainable development and environmental protection will be impossible without the economic growth of developing countries.

Worldwide progress cannot be made while countries such as Mexico and Brazil cannot afford to curb pollution and deforestation that in turn affect the rest of the world. The developed world is not ready to invest in the growth of developing countries, Strong said.

Aarmout A. Loudon, chairman of Akzo, said that while there has been much debate about what course to take concerning future sustainable development, "no one worries very much about the sustainable present."

Erhard Busek, vice chancellor and federal minister of science and technology for Austria, said that what poor countries need is trade, not aid. For their part, poor countries cannot have trade unless the developed countries are willing to remove their debt, he said.

Unfortunately, "inertia keeps propelling us in the same old direction," Strong said.

Busek viewed the situation more positively. "The ability is existing"

for technology to overcome environmental and economic problems, he said. "Of that I have no doubt." Improvement in international, ecological government will come only with the transfer of information and technological know-how from developed to developing countries, he said.

Nitin D. Desai, U.N. undersecretary-general for policy coordination and sustainable development, also foresees a future of promise. He admired the degree of commitment he sees in young people today, saying that he has not yet visited a school where environment was not the top issue. "The winds of change are much stronger than we think."

### Man must defend nature

Panelists put the issue of man's responsibility for the environment in a historical and philosophical context. "This is the first generation since the dawn of civilization when human beings are the deciding factor in the environment," Strong said. In essence, we have gained "control of our evolution," he said.

"We've slowly evolved from a human group that was a victim of nature" to a group that is now the master of nature, said Provost Mark S. Wrighton, who co-chaired the session.

"Our rejection of the rules of the jungle is a product of our minds, not our genes," concluded Cousteau. Mankind is living an "extraordinary but exceptionally dangerous adventure," he said. "We must become relentless defenders of nature."

## Loan Plan Could Save \$4.3 Billion

Loans, from Page 1

they receive, "a portion of the general cost savings ... in the form of a reduction in the interest rates on their loans," according to the Department of Education.

Taxpayers benefit as well. "The direct lending program will save taxpayers \$4.3 billion through fiscal year 1998, and \$2 billion per year, thereafter," Kunin said.

The program will be implemented gradually across the country. Hudson said that direct lending will constitute 5 percent of loan volume across the country in the first year of the program, 40 percent in the second, 50 percent in the third, and 60

percent by the 1997-1998 school year.

Because direct lending is being phased in gradually, the Clinton administration should have ample time to correct any problems that may arise, Kunin said.

### Plan offers new repayment option

The plan also opens a new loan repayment option for graduates in debt, by allowing them to pay back loans through Excel accounts. These accounts allow graduates to repay loans at a rate proportional to their incomes. Lenders will no longer charge a flat rate.

Secretary of Education Richard W. Riley said that this encourages

students "to pursue careers in critically needed ... service jobs without fear of being overburdened with debt."

Although skeptics argue that direct lending limits available funds, the Department of Education refutes this claim, saying that "direct loan capital will not be limited by congressional appropriations."

Furthermore, the DOE adds that direct lending is an entitlement program that is remarkably similar to "the guaranteed student loan program," which follows a need-based policy. Many colleges are already involved in a form of direct lending called the Perkins Loan Program.

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# Wings Open Camp With New Coach

Let's Argue, from Page 16

draw by judges. Chiefs 31, Broncos 27: Several Broncos players caught watching tapes of Seinfeld season premier instead of game films. Speagles 20, Skins 14: Middle East peace treaty nearly torn up when Arafat and Rabin take opposite sides during "Tastes Great/Less Filling" chant in stands.

From Will Scruggs '91 (the Detroit connection): "Did you notice the Lions this past weekend? Their defense is forming well, and with the acquirement of Pat 'look how fast it is' Swilling the defensive line is coming together, and even the young guys are performing. Did you notice the fact that for several plays the Lions threw six linebackers on the field and did some real damage?"

How about that Andre Rison/Tim McKeyer matchup. Rison did get one of his two promised touchdowns, but he just needs to shut up before he gets whooped."

In hockey notes, the Red Wings start camp with a new coach this week. The team finished up the summer break with a golf outing during which, needless to say, Bob Probert stumbled into three fights and spent a total of 12 minutes in the penalty box.

TWIB. Cecil Fielder hit some more RBI's and gained eight pounds — his base-rolling ability wanes with each ball park frank.

Michigan vs. Washington State this weekend. Sir Vix from the Land in the Middle has a prediction — the average SAT score on the field at any given time will be ... 742!

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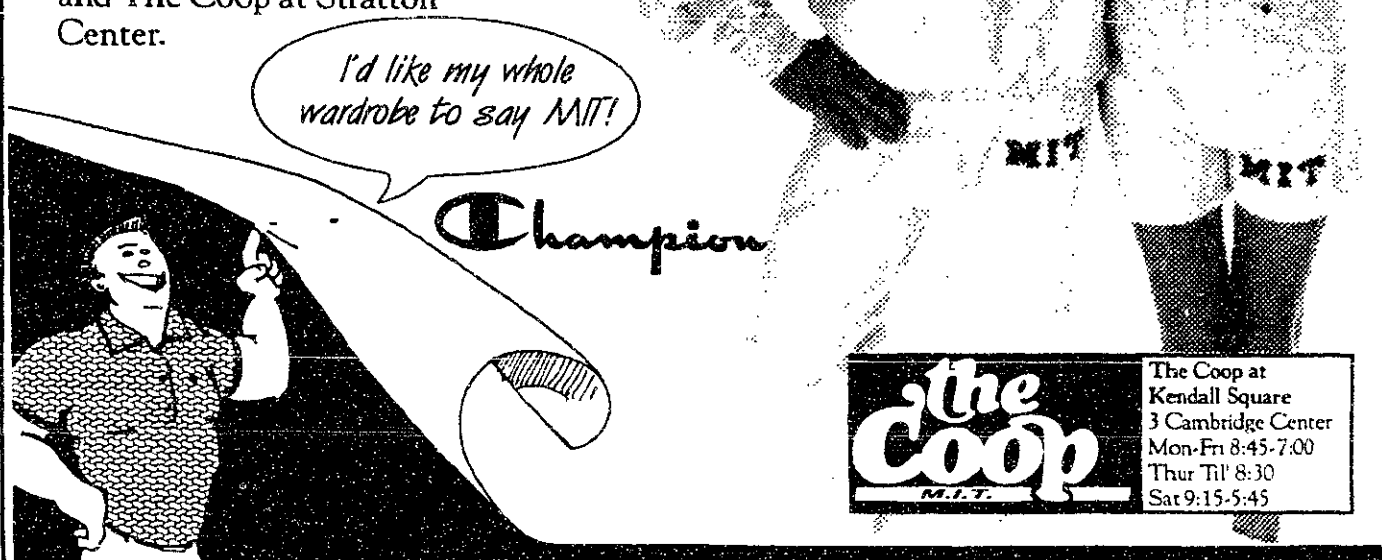
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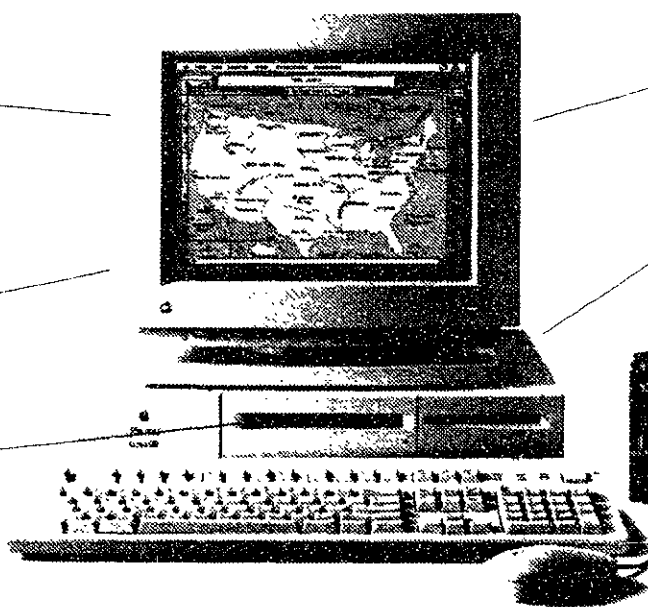
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## SPORTS

# Ultimate Wins Six In First Contest

By Andrew Kirmse  
TEAM MEMBER

Last weekend the ultimate team, Show and Tell, travelled to Vassar College in Poughkeepsie, N.Y. for its first tournament of the season. MIT went undefeated in six games against other Northeast schools.

In pool play on Saturday, MIT swept past Worcester Polytechnic Institute, Vassar College, and Yale University's B team by allowing only three goals while scoring forty-five. They had a tougher time against Wesleyan College, who last spring advanced Nationals, forcing Show and Tell to play intensely throughout both halves to claim the game, 15-8.

Sunday opened with a quick

15-2 victory over Connecticut College, but Yale's undefeated A team loomed large as the tournament finals approached. Determined to beat one of their arch-rivals of last year, Show and Tell jumped to a 4-0 lead without allowing Yale to complete a pass. This defensive onslaught turned out to make the crucial difference in the game, propelling MIT toward a final score of 15-11.

MIT was consistently tough and occasionally sparkled, outscoring opponents by a total of 88-24. Especially encouraging was the solid play of the rookies who joined the team this fall. The next tournament is at Rutgers University on Sept. 25.

## UPCOMING HOME EVENTS

**Friday, September 17**  
Baseball, MIT Invitational, 12 p.m.

**Saturday, September 18**  
Varsity Sailing, New England Sloop Elimination A, 9:30 a.m.  
Women's Sailing, New England Women's Singlehanded Championships, 9:30 a.m.  
Men's Varsity Soccer vs. Nichols College, 10 a.m.  
Men's Cross Country vs. WPI and RPI, 1 p.m.  
Women's Cross Country, Engineer's Cup at Franklin Park, 1 p.m.  
Women's Varsity Volleyball vs. Smith College, 1 p.m.  
Women's Junior Varsity Volleyball vs. St. Josephs College, 1 p.m.  
Golf vs. Merrimack College, 1 p.m.  
Football vs. Assumption College, 2 p.m.  
Baseball, MIT Invitational, TBA

**Sunday, September 19**  
Baseball, MIT Invitational, TBA  
Women's Sailing, New England Women's Singlehanded Championships, 9:30 a.m.



Women's soccer defeated Elms College on Tuesday, 3-2.

## Women's Soccer Wins Match

By Thomas Kettler

The women's soccer team won its third game of the season on Tuesday, defeating Elms College by a score of 3-2.

Chantal Wright '95 starred in the first half, scoring two goals in two minutes on assists by Brindha Muniappan '94 and Thuy Le '97. These goals gave her five for the season, the team's best. Elms did not score at all in the first half, as the Engineers effective-

ly kept the ball on their opponents' side of the field.

Elms attempted to tie the game during the second half but fell short. Their first goal, by Linda Kieras, was not made until 15 minutes into the half. Theresa Chiuch '94 of MIT matched it seven minutes later with her first goal of the season. With nine minutes left to play, Julie Heroux scored the second and final Elms goal, which was not enough to save the game.

The soccer team next faces Salve Regina College on Thursday at Henry Steinbrenner Stadium.

# NFL Milks Television Contract; Cowboys Are Not Classy

By Mike Duffy  
and Andrew Heitner  
SPORTS COLUMNISTS

SAN ANTONIO, TEX.

While munching on tasty tacos down here in the Lone Star State, we offer our thoughts on the Whitaker-Chavez fight in the Dome. Pernell Whitaker ought to get in touch with McGruff the Crime Dog, as he was robbed. Although *The Tech* scorecard had Whitaker a convincing 117-114 victor, it was not until Sweat Pea twice tapped Chavez in the boys during the sixth round that Pernell took charge of the fight. Whitaker's cat-like quickness kept Chavez off balance and swinging at the air. In front of a pro-Chavez crowd and heeding the lessons from Miami, however, the foreign judges were not about to be followed from the Alamodome in their rented cars, and they declared the bout a draw. Of course the same people who griped about the decision will still shell out 30 clams to see the rematch. Stay tuned.

It's nice to see the NFL milking the networks for every penny they can get here in the final year of their lucrative television deal. How else can you explain the fact that eight teams have byes this week? The idea behind the bye week was to allow teams to get some rest. At least, that was the theory trumpeted by the NFL owners. We know differently. With the exception of Tampa Bay (the boys of the Big Sombrero have been outscored 50-10 in two weeks, thus marking them for a possible appearance in the Race for Futility), who else needs a week off after their second game? Wouldn't this be better after game 12? The owners wouldn't do that, though, because baseball post-season play does not interfere with NFL games during November. The

only good by-product of an 18-week regular season is that the extra week off between the conference championships and the Super Bowl has been eliminated.

Our eyes have been on Texas and they have seen how unclassy the management and players of the Cowboys are. First, Jerry Jones breaks a pledge not to negotiate with Emmitt Smith through the press by showing his mug in front of every camera possible. Second, word gets out in *The Dallas Morning News* that the Cowboys may extend Aikman's contract for \$6 million per year, even though Troy has a contract intact for next year, while Smith doesn't even have one for this year. Now, Charles Haley, after the loss to Buffalo, smashed his helmet (not the German one) through a wall and proclaimed that the Boyz couldn't win without a running back. This is no way to express confidence in Derrik Lassic, considering the fact that Smith may be out for the year. Besides, in the Bills-Boyz game we watched, Lassic was not to be blamed for the loss — it was Kevin Williams and Lin "Crazy Legs" Elliot who blew it.

Prior to this year's expansion, the teams in the National League played 18 games against teams in their division and 12 games versus teams outside it. With the advent of expansion and a balanced schedule, however, teams play 13 games within and 12 outside their divisions. This being the case, it is a sham that both San Francisco and Atlanta can't both be in the playoffs even though they have the two best records in the league and play basically the same schedule as the Phillies. This, of course, will change next year with realignment and the introduction of a wild card. The extra tier of playoffs will extend the

schedule to late October. Considering that the Colorado-Houston game on Monday was postponed because of snow, let's hope the Rockies and Brewers don't ever meet in the Fall Classic. Somehow turkey, pumpkin pie, and baseball don't roll right off the tongue.

### Menudo's Top 5

1. FSU
3. Miami
4. 'Bama
5. Notre Dame

No one is close to FSU, hence no second place team in Mendoza's selections.

### Let's Argue Fan Top 5

1. Miami
2. FSU
3. Florida
4. 'Bama
5. Notre Dame

Our guest Top 5 was sent in from Geno Torres '92, our man on The Island, who put a distinctive Southern flavor in his choices.

### You Heard It Here First

The NBA will award expansion teams to Toronto, headed by Magic Johnson, and Nashville for the 1995-1996 season.

### Where Are They Now?

Women's Tennis Players. Tracy Austin, Carling Bassett, Yvonne Goolagong, Billie Jean King, Andrea Jaeger, Wendy Turnbull, and Virginia Wade.

### Mondongo's Hueso de la Semana

A three-way tie this week. 1. To Bobby Bonilla for tripping over second base and separating his shoulder. Lucky for him, he will miss the rest of the Mets' season. 2. To Cedric Pioline for serving a ball into the seats to the right of the court in

Sunday's U.S. Open final. 3. To the Harvard grads doubling as judges in the Azumah Nelson vs. Jesse James Leija fight who incorrectly added up their scorecards. The fight was originally given to Nelson, then changed minutes later to a draw.

### Race For Futility

This week's award goes to the city of Pittsburgh, whose Steelers and Panthers combined for two losses by combined scores of 90-21 last weekend.

### Trivia Question of the Week

The Toronto Blue Jays have had 11 consecutive winning seasons, the most in the majors. Can you name the team with the second most, at 5 seasons? Send answers, comments, and requests for beefcake photos of *Tech* columnists Duffy and Heitner to sports@the-tech.mit.edu.

Answer to last week's question: The Texas Longhorns. Kudos to Pete Berger '97 who wins a free set of Tupperware. Please go to the first floor of the Student Center and fill out a credit card application to claim your prize.

Final tally from last week's poll of favorite late-night celebs:

- 51% David Letterman (the king)
- 22% Ted Koppel (shocking popularity for the newsmen)
- 15% Beavis and Butthead (should increase when more students get cable)
- 14% Distributed evenly among Chevy, Jay, and Whoopi

### MIT TWIB Notes

Javier Nazario '95 leads the men's water polo team into battle this weekend in West Point, N.Y. for a tournament against the Merchant Marine Academy, UMass-

Amherst, Army, and the dreaded Rams of Fordham. Nazario had 7 goals and innumerable assists in games against BC (an 18-15 win) and Brown (a 12-10 loss) last weekend. He also pitched in three more goals in a 13-7 drubbing of the Helsinki Institute of Technology on Monday.

All fans are invited to come Saturday for a double dip of athletic competition, as the men's soccer team takes on Nichols at 11 and the football team tackles Assumption College at 2. The soccer team is coming off a tight 3-1 loss at Norwich last weekend during which the Beavers outplayed the Clams for most of the game. Standout lineman Neil Best registered seven blocks in the football team's narrow 6-0 scrimmage defeat to Salve Regina last Saturday.

Men's Lacrosse practice started up on Wednesday. Look for Hyung Chang '95, Dylan Bruno '94, and Abe Udobot '95 to lead the team.

### Sir Vix Picks

MIT 17, Assumption 10: A more experienced Beaver team than last year means a 'W' in their first regular season game. BC 34, Northwestern 18: Eagles anxious to get game over early so they can get to Cambridge in time for Greek Week Ball. Patsies 13, Doves 6: Ditka looks bored in studio for NBC; this game is in no danger of waking him up. Boys 27, Bishops 16: No truth to rumor that Jimmy Johnson tried to get Rafael Septien out of prison on weekend furlough to kick for the Boys. Steelers 10, Pussy Cats 3: Cincy players up late all week catching Conan O'Brien's new show. Oilers 17, Lightning Bolts 17: Game ruled a majority decision