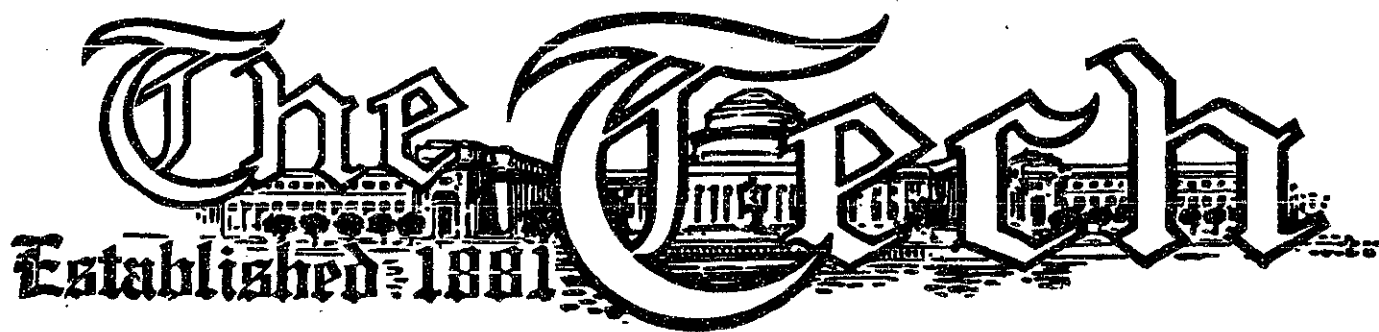


# Homecoming this Weekend!

MIT's  
Oldest and Largest  
Newspaper



## The Weather

Today: Sunny, windy, 60°F (16°C)  
Tonight: Clear, cold, 42°F (5°C)  
Tomorrow: Sunny, 56°F (13°C)  
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Volume 113, Number 51

Cambridge, Massachusetts 02139

Friday, October 22, 1993

## 4 Robberies Part Of a Crime Wave

By Nicole A. Sherry  
STAFF REPORTER

The four on-campus armed robberies this week equal the total number of reported robberies in 1992. Campus Police Chief Anne P. Glavin does not think the crime wave is targeted directly at MIT, but is part of a city-wide problem.

In response to these robberies, Campus Police have increased security measures, while students appear to be relatively unconcerned.

There were three separate reports of on-campus robbery at gunpoint this past weekend. A fourth robbery occurred at 2:30 a.m. Tuesday at the Amherst Alley entrance of Ash-down House.

The assailant approached the victim, held a knife at his side, and

demanding the victim's wallet. When the victim replied that he did not have a wallet, the suspect searched the victim and removed \$4 cash. The suspect then fled to Massachusetts Avenue. The victim was unharmed.

The victim described his assailant as a black male, 5 feet 9 inches tall, about 20 years old, and with a thin build. The assailant was wearing a hooded sweatshirt.

These four crimes are the first reported on-campus robberies of 1993. They equal the total number of reported robberies last year, which included one armed robbery, one attempted armed robbery, and two unarmed robberies, according to Glavin.

Robbery, Page 6



Candidates for Cambridge City Council present their views about community concerns and answer questions in 10-250 on Monday. Less than a dozen students attended the event.

THOMAS R. KARLO—THE TECH

## Grad Students Not on Resnet

By Ifung Lu  
STAFF REPORTER

Graduate students are concerned because their dormitories will not be part of Resnet, the ongoing project to make Athena and the MIT network accessible to undergraduate dormitories and independent living groups.

The Resnet project involves installing high-speed ethernet connections to on-campus living groups and slower, digital telephone-line connections to living groups off campus.

Many graduate students would like some sort of connection to Athena. According to Graduate Student Council President Caryl B. Brown G, graduate students would use an Athena hookup in their rooms if they had the option. "Over three-quarters of the population, 77.2 percent, said they would use an

Athena hookup," said Brown, citing a survey taken earlier this year.

Information Systems is receptive to these desires, said Michael L. Barrow, a consultant for Computer Support Services. "It's on people's minds to expand to include graduate dorms." Though the current focus is on installing the connections in undergraduate residences, "This is definitely only the first step," he said.

The problem is that "IS is not paying for this project entirely. What's budgeted is to install Resnet in independent living groups and the undergraduate dorms. MIT is in a deficit. We're surprised that they got money for this," Barrow said.

"As long as we have the proper resources, I don't see why" graduate students cannot be included, Barrow said. "But IS by itself is not in the position to make that decision. It is

a big strategic decision," he said.

### Graduate students do use Athena

The GSC has determined that graduate students do use Athena. "Around half of the students use Athena less than five hours a week. About a quarter of the students use Athena between five and nine hours a week," Brown said. These students use Athena for a variety of reasons including accessing courseware, word processing programs, and electronic mail.

Brown added that a dormitory hookup would be useful for more than just accessing Athena. With the hookup, one gets "access to the Internet, access to the world," he said. Also, the only outside access to many office computing facilities is to telnet the MIT network via

Resnet, Page 6

## More Sophomores Select Course VII, X

By Lawrence K. Chang  
STAFF REPORTER

More sophomores than ever before are majoring in biology and chemical engineering, according to the Office of the Registrar's annual report on the sophomore's declaration of majors.

The results, released earlier this month, also show that the electrical engineering and computer science department and the mechanical engineering department continue to draw the most students, though the mechanical engineering department saw a large drop in enrollment.

Despite the new trends in the individual departments, the number of students enrolled in the School of Engineering and the School of Science generally deviated little from

past classes.

The School of Engineering captured the greatest student interest once again. Roughly 62 percent of the sophomores declared an engineering major, compared to 65 percent last year and 62 percent the year before. As in the past two years, 23 percent of the sophomores declared a major in the School of Science. Over 3 percent declared a major in the School of Humanities and Social Science, about the same as the last two years.

### EECS continues to be a big draw

The electrical engineering and computer science department continues to grow, snagging 327 stu-

Majors, Page 9

## Krieger Memorial Service Tonight

A memorial service will be held in the MIT Chapel for Adam M. Krieger '95, who died this summer after a 4-year battle with bone cancer. The service will begin at 9 p.m. on Friday. Krieger lived at Delta Kappa Epsilon, and questions about the service should be directed to the fraternity at 494-8683.

## INSIDE

■ Vest outlines Institute goals at faculty meeting.  
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■ The Nightmare before Christmas entertains with impressive animation.  
Page 10

## RCA to Examine Student Group Accounts

By Rishi Shrivastava  
STAFF REPORTER

Because many student groups have been operating with negative finance balances, the Office of the Dean for Residence and Campus Activities has initiated efforts to help them maintain balanced budgets. However, the Undergraduate Association Financial Board, the other source of student group funding, is not taking similar measures.

Student groups can turn to two sources for outside funding: the RCA student activity account and the UA Finance Board. The two offices work separately in determining funding allocations.

In order to improve communication between the two offices, Finboard recently moved its office from the fourth floor of the Student Center next to the RCA office on the fifth floor.

In the RCA's view, student groups that run deficits indirectly hurt other groups that are financially responsible because all of the money RCA allocates is pooled into one account, according to Susan D. Allen, adviser to student activities.

UA President Hans C. Godfrey '93 finds this financial irresponsibility unacceptable and said student groups "shouldn't have negative

balances to begin with."

Still, the Finboard is not following RCA's actions and will not look thoroughly into student group finances. The UA gives money to student groups for specific purposes and does not care to know the methods by which these groups obtain outside funding, said UA Treasurer Raajnish A. Chitaley '95.

The UA must not look into the student activity accounts, said Finboard Chair David J. Kessler '94. Many groups have threatened to open outside accounts if the UA were to do that. These accounts would be in the names of individuals within the group which could "increase the propensity for corruption" and mismanagement, Kessler said.

Because MIT does not want to be held liable for mismanaged accounts, most student groups are not permitted to open collective group accounts outside the Institute. Also, MIT would like to see student groups maintain proper balances by acting financially responsible in a regulated setting, Kessler said.

### RCA requested an audit

The RCA's efforts to improve student activity accounts came after the RCA Office asked the MIT Audit Division to look over their finances in April, Allen said.

The audit revealed that many student groups ran negative balances. Allen would not say how many groups maintained negative balances because the groups are currently in financial transition. Several groups that run deficits are unaware of their financial difficulties, she added.

The student activity account is entirely separate from Finboard. It is comprised of money obtained from off-campus donations, donations from Institute departments, fund-raising, and various other sources.

RCA gives this money as a "temporary advancement," which the group must pay back in full after it completes its fund-raising activity, Allen said. For example, if a group needed money to hire a band for a fund-raising concert, RCA would loan them the money. The student group would then be expected reimburse RCA.

RCA is helping student groups exercise fiscal responsibility by advising them on how to maintain at least zero balances, Allen said. "The goal is for everyone to work in a positive balance," she said.

RCA also plans to inform groups when their fund-raising efforts are ineffective because "groups need to know when their fund-raisers

Finances, Page 6

# WORLD & NATION

## Somali Warlord Says New U.S. Policy Will Rekindle Strife

LOS ANGELES TIMES

MOGADISHU, SOMALIA

Amid alarming signs that Somalia's rival clans are rearming for war, a key warlord told U.S. officials here Thursday that the Clinton administration's new policy on Somalia will rekindle the brutal civil war that destroyed the nation and nearly starved its people.

Meeting with diplomats in his battle-scarred office building in north Mogadishu, Ali Mahdi Mohamed, a powerful clan leader whose duel for power with Mohammed Farah Aidid reduced this sprawling capital to a lawless ruin, flatly ruled out a political solution without a U.S.-led disarmament campaign.

Moments after the session, during which U.S. officials told Ali Mahdi that U.S. policy would not include disarming the country's rival militias or hunting down the fugitive Aidid, Ali Mahdi told three American journalists, "Civil war is imminent."

In fact, throughout Mogadishu and the countryside, Somali clans are now digging up and cleaning their vast weapons caches, which were buried in the days before the U.S. Marines led the U.S. military intervention to save Somalia from famine and war last December.

In the days since the Clinton administration and Aidid's militia announced what amounted to unilateral cease-fires after the bloody Oct. 3 counterattack on U.S. forces, there have been persistent reports that heavy weapons and the "Mad Max"-style battle wagons known as "technical" have reappeared outside Mogadishu.

## Jury Declines to Convict L.A. Defendants on Last 2 Charges

THE WASHINGTON POST

LOS ANGELES

A jury Wednesday declined to convict Damian Williams and Henry Watson of the two charges remaining against them in the Reginald O. Denny beating case, the last act of a tumultuous trial in which Angelenos relived the most painful moments of deadly riots that swept the city last year.

In verdicts read Monday, Williams, 20, was convicted on four counts involving misdemeanor assaults and one count of mayhem, and he could be sentenced to a maximum of 10 years in prison at a hearing scheduled Dec. 7. Watson, 29, faces a maximum six-month term for conviction on one charge of assault, and prosecutors are to announce Monday whether he will be retried for the deadlocked charge on which a mistrial was declared Wednesday.

Watson was released from jail this morning for the first time since his arrest 17 months ago shortly after three days of rioting ignited April 29, 1992, when four white police officers were acquitted on 10 of 11 charges in the beating of black motorist Rodney G. King.

## Prosecutors Try to Link Metal Pieces to Bomb Defendants

NEWSDAY

NEW YORK

The FBI agent sifted through the plastic bag filled with jagged gray metallic scraps until he found the one with lettering etched into the side.

"The symbols that I can read are A20, and then there is a symbol I have trouble reading, and the next line, AGL," answered James McCarthy, who logged in the fragment when it was found in the avalanche of rubble in the weeks after the Feb. 26 World Trade Center blast that killed six and injured more than 1,000.

AGL, federal investigators say, stands for AGL Welding, the Clifton, N.J., company where the suspects allegedly bought tanks of compressed hydrogen gas to amplify their homemade bomb.

According to documents obtained by New York Newsday, AGL Welding took an order for three tanks of compressed hydrogen on Feb. 24 from a company called Kamal and Co. A delivery log from AGL shows the tanks were delivered Feb. 25 to a Jersey City, N.J., storage shed rented in the name of Kamal Ibrahim, which federal prosecutors say is an alias used by defendant Mohammad Salameh.

The jury has not yet heard testimony about the storage shed at 69 Mallory Ave. in Jersey City. But prosecutors are expected to present evidence that Salameh used an alias to rent it, stored the chemicals there used to make the bomb and accepted delivery of the three hydrogen tanks at the rented shed.

The indictment also accuses Salameh and others of loading the flammable cargo onto the Ryder rental van they later used to transport the bomb into the Trade Center.

## WEATHER

### The Regatta Weekend

Marek Zebrowski  
STAFF METEOROLOGIST

A high pressure system will drift over from the central Midwest and bring sunny weather for the next few days. Windy conditions on Friday will be caused by a tight pressure gradient, but as the high moves over to the mid-atlantic coast, the winds will slacken and the sunshine will make the seasonable afternoon temperatures seem pleasant enough. A warm-up is possible for the early part of next week under generally fair skies.

**Today:** Mostly sunny, very windy with some gust blowing from the northwest at 20-30 mph (32-48 kph). Afternoon high of 60°F (16°C).

**Tonight:** Diminishing winds, clear and cold. Lows around 42°F (5°C) in the city, mid-30s (2-3°C) outside the metropolitan area.

**Saturday:** Sunny and crisp, with a high of 56°F (13°C). Northwesterly winds relaxing throughout the day 10-15 mph (16-24 kph).

**Sunday:** Fair and pleasant. Highs in mid to upper 50s (13-15°C).

# House Drops SSC Funding Again; Hopes of Revival Dim

By Robert Lee Hotz  
and Lianne Hart

LOS ANGELES TIMES

WAXAHATCHIE, TEXAS

In the beginning, the superconducting super collider was a 4-pound blue book that cost \$60 million to produce.

For physicists, that 712-page proposal was a riveting text that envisioned a machine to reveal the origin of matter. Among the small-town politicians and congressmen who saw in its dry technical specifications a more earthly promise of 15,000 local jobs, it became an instant best-seller. This week, with a key congressional vote to deny funding, the project may have entered its last chapter.

More than a decade and \$2 billion after it was first authorized, the atom smasher is ending as 10 miles of dry holes in Waxahatchie — a monument to the ambitions and the bitter failures of Big Science.

Long after the the House voted almost 2-1 to halt construction of the collider, people in Waxahatchie were just starting to tally the human toll — local families disrupted and homesteads demolished to make way for the construction, others uprooted to follow the lure of the research opportunities. In all, the government bought 16,000 acres and nearly 200 homes to make room for the 54-mile oval tunnel. The entire community of Boz, home to about 400 people, was razed to make way for the SSC laboratory's west campus.

Jo Ann Collier, 61, was forced from her home because it fell in the path of the supercollider. Her husband had cancer at the time. He died last year. "We wanted to stay in that house til we died, and it's all torn up now," she said, twisting her wedding ring around her finger. "It

makes you feel so helpless.

Scientists and policy experts say the determination to kill the \$11 billion SSC may be the turning point in a decade-long debate over the size and scope of federally funded science projects like the space station, the human genome project, the Hubble Space Telescope, and the \$237 million "asymmetric B-factory" accelerator awarded last week to the Stanford Linear Accelerator Center. The Stanford project is still awaiting approval of its funding from a congressional conference committee.

Throughout the last decade, the federal government promised scientists funding for an unprecedented array of expensive instruments. New projects planned during the 1980s for completion in the 1990s totaled \$60 billion in construction costs, with another \$100 billion in total operating costs estimated, according to the Congressional Research Service. At one point, the annual budget request for the proposed space station dwarfed the entire annual budget for the National Science Foundation.

Cost overruns, design flaws, and accidents, such as the recent disappearance of the Mars Observer spacecraft, helped turn such efforts to expand the frontiers of science into powerful symbols of guilt-edged incompetence, congressional science experts and some policy analysts said.

But most importantly, it made them conspicuous targets for belt-tightening in a era of retrenchment and recession.

"It is obviously energetic budget cutting," said George E. Brown Jr., D-Calif., chairman of the House Space, Science and Technology Committee. "But you are threatening the economic development of

the country in a very broad sense.

"You have a majority (in Congress) who weren't even around when this project was started. It is a high priority target for them," Brown said. "A project that takes this long may no longer be viable in a Congress that has no collective memory."

The decision to eliminate the supercollider, however, may free funding for other physics research projects, including the Stanford project, Brown said.

Jack Storey, who gave up a prestigious job in Boston to become associate director of the sprawling supercollider laboratory in DeSoto, about 20 minutes from Waxahatchie, spoke emotionally about the SSC, which that was to be the most fundamental building blocks of matter.

"There's no question we thought the most important science project to occur in the next twenty years was going to happen here. It's a tremendous disappointment," he said. "Lots of people are frightened."

Jim Siegrist, a senior physicist at SSC, quit his job as a professor at the University of California, Berkeley and moved to Texas two years ago with his wife and two elementary-school age boys.

We knew that you had to get funding every year, but Congress made a commitment to build in 1990 and it seemed implausible they would just sort of go back on that commitment," he said. "I wouldn't have wasted my time if I knew (they would)."

"Now we've got to pull up and get out of here and go somewhere else unless I find a job here, which seems unlikely ... I haven't really figured it out."

# Christopher Arrives in Russia With 'Hope and Reassurance'

By Doyle McManus

LOS ANGELES TIMES

MOSCOW

Secretary of State Warren Christopher arrived Thursday to give a U.S. vote of confidence to President Boris N. Yeltsin at the opening of Russia's parliamentary election campaign — and, his aides hoped, to focus Americans' attention on a country where the Clinton administration's foreign policy has enjoyed some visible success.

Christopher said he hoped to give Russians "some sense of hope and reassurance" that their new democracy can succeed; he is scheduled to make a speech that will be a virtual endorsement of Yeltsin only seven weeks before the country's parliamentary elections, set for Dec. 12.

But even in Eastern Europe, which he visited before coming to Moscow, the secretary of state was dogged by questions about some of the reverses that the administration has suffered in recent weeks in Somalia, Haiti and Bosnia-Herzegovina.

On his way across the Atlantic, Christopher spent several hours on the telephone talking with members of the Senate, asking for their votes to beat back Republican attempts to limit President Clinton's freedom of maneuver in Haiti.

And in Budapest, Hungary, he was hit with tough questions from members of the American Chamber of Commerce, an audience that normally might have been gentler.

"I, as an American, am confused about ... the United States' foreign

policy and its apparent incohesiveness," said Alex Benko, a commercial real estate developer from Dallas who has been working in Hungary for four years. "Nobody in the world seems to understand what our missions are."

He asked Christopher, "What plans do you have ... (to) put meat behind some of the words that apparently don't have any meat behind them?"

"That's a challenging question, isn't it?" Christopher responded mildly, and then launched into a now-familiar defense of the administration's efforts.

"We've been dealing with three inherited problems, three problems that we found on our plate when we came into office ... and that's what you see in the headlines," Christopher said, referring to Bosnia, Somalia and Haiti.

"It's those three inherited problems, I think, that create the impression of a United States foreign policy where there's room for improvement — and I certainly concede that there's always room for improvement," he said.

"But on the main issues — on the big issues where our vital interests are definitely involved — I think the United States has been positive and has been successful," he said, citing Clinton's support for Yeltsin and his work on the Middle East peace talks.

Benko, who described himself as a conservative, appeared unimpressed. "We have such an inept foreign policy, people are laughing at us," he said.

Other members of the audience were less critical, though, and gave Christopher warm applause.

Still, the episode reflected a phenomenon that has frustrated and distressed Christopher and his aides: No matter what they do on problems they consider "big issues," their difficulties in small countries get what they consider excessive attention.

When Rep. Frank McCloskey, D-Ind., called for Christopher's resignation earlier this week, they dismissed the idea — and complained privately that television networks had even mentioned it in their newscasts.

Christopher should get a better reception here. The Clinton administration has organized an international aid effort amounting to more than \$43 billion in pledges and stood staunchly by Yeltsin earlier this month as he dismissed his Parliament and sent troops to blast his opponents out of their headquarters.

Christopher was scheduled to meet with Yeltsin Friday, and said he hoped to learn about plans for the election, which U.S. officials openly hope will elect a solidly pro-Yeltsin Parliament to replace the dissolved conservative-led Congress of People's Deputies.

In a departure from usual practice, Christopher's schedule does not include meetings with any political figures outside Yeltsin's inner circle. Secretaries of state often meet with leaders of democratic opposition groups during their travels, especially during election campaigns.

# U.S. Proposes NATO Partnerships For Former Warsaw Pact Nations

By Steve Vogel

SPECIAL TO THE WASHINGTON POST

TRAVEMUENDE, GERMANY

The United States proposed Wednesday that the NATO alliance offer limited military "partnerships" to virtually any European nation that is interested, including Russia and other former Warsaw Pact nations.

While extending neither security guarantees nor NATO membership to East European countries clamoring to join, the proposal, if adopted, would represent a dramatically different relationship among former Cold War adversaries.

Secretary of Defense Les Aspin, meeting with other NATO defense ministers at this Baltic coast resort, described the partnership proposal as a first step towards possible — but not automatic — NATO membership for the old Soviet Bloc states. "It's a brand new world out there," Aspin told reporters.

Under the proposal presented to the allies by Aspin today, partner nations would not be entitled to the automatic security provisions of the NATO treaty in which an attack on one alliance member is considered an attack on all. However, Aspin said, NATO would consult with a partner country in the event its territorial integrity is threatened, and the alliance conceivably could take military action to protect that nation, Aspin said. Partner states also

would participate in such joint NATO operations as peace keeping and peace making, crisis management and search and rescue missions.

The U.S. proposal appears to represent an effort to balance competing concerns over long-term peace and security in post-Cold War Europe — while at the same time fending off for now aggressive membership entreaties from several East European countries.

Poland, Hungary and the Czech Republic are urgently seeking entry to NATO, and some members of the 16-nation alliance, particularly Germany, have been supportive, arguing that their inclusion is crucial to East European stability. But there are also fears that expanding NATO at a time when it is redefining its role on a continent in political transition could end up destabilizing the alliance itself — not to mention alarming Russia by extending NATO to its doorstep.

The Kremlin has opposed NATO membership for any former Warsaw Pact countries if Russia, too, is not allowed to join. Under the new proposal, U.S. officials said, Russia would be welcomed as a NATO partner, but they said eventual Russian NATO membership was highly unlikely. One official described the partnership plan as a way of establishing closer ties with Russia — but not too close.

Aspin said NATO partnership would be open to about 25 countries, so long as they could demonstrate civilian control of the military and make their defense budgets public. Candidates include all the former Warsaw Pact countries and Soviet republics, as well as four traditional neutrals — Sweden, Austria, Finland and Switzerland.

The plan has the backing of NATO Secretary General Manfred Woerner, and initial allied reaction has been favorable, particularly from Britain and Germany, according to members of the U.S. delegation here. "We didn't get any attacks at all," said a U.S. official.

No procedure or timetable has been established for considering when and which NATO partners would be allowed full membership in the alliance, but Aspin said that the partnership program would be a required first step for any nation seeking to join.

Aspin said the partnership network would have the advantage of putting added manpower at NATO's disposal as member nations are cutting combat forces in the absence of a Soviet threat, yet at the same time are taking on a more general peace-keeping role. "What we're trying to do is build added capability," Aspin said. He said the proposal could be formally adopted at a meeting of NATO heads of state set for January.

# Scientists Discover Gene Linked To Aggressive Behavior in Humans

By Sheryl Stolberg

LOS ANGELES TIMES

More than three decades ago, a Dutch schoolteacher, troubled by a pattern of violence among his male relations, traced the pattern's origin to a couple who married in 1780. He concluded his kin must be suffering from an inherited mental disability. Pretending to be a dispassionate outsider, he then wrote up his notes under the title "A Curious Case."

The teacher has long since died. But Friday, his "curious case" earns a page in the annals of science, as a team of researchers from the Netherlands and the United States report that some men in his family harbor a mutant gene that predisposes them to aggressive behavior.

The discovery of what has been dubbed the "aggression gene" marks the first time a specific genetic defect has ever been linked to violent tendencies in humans. It adds to a growing — and hotly debated — body of evidence that indicates biological factors, as well as social and environmental causes, contribute to violent behavior.

The researchers found that the

over-aggressive men had abnormal genes for a brain chemical that assists in coping with stress. But experts caution that their study, published in today's issue of the journal *Science*, is limited and cannot be applied to the general population, or used to explain the high rate of violence in the United States.

The study could be as controversial as it is dramatic. Research into the link between biology and crime has come under fire in recent months from those who fear such studies could be used to discriminate against racial minorities. Last year, the National Institutes of Health canceled a conference on the topic, and just last week black activists in Los Angeles protested a similar academic meeting.

Sensitive to these complaints, the Dutch and American scientists stress that the flawed gene, while important, is probably not the sole reason for the family's history of what they call "aggressive outbursts" — which include a rape that occurred 50 years ago, two arsons and an incident in which one man tried to run over his boss with a car

after getting a negative performance evaluation.

"I think this is the most convincing evidence for a biological factor so far," said Dr. Han G. Brunner, the Dutch geneticist who headed the study. "But our study does not give you an idea of how important biological factors are in aggression as a whole."

He noted that while one man in the study continues to have repeated outbursts, his brother — who also has the genetic abnormality — has not had one for many years, which suggests social factors and environment also play a role. "There is not a very simple cause-and-effect relationship here."

Others experts are equally reserved in their assessment of the work. "We're still unsure as to what it all means," said Gregory Carey, a University of Colorado psychologist who last year published a review of all scientific studies that have attempted to link crime to genetics. "We are not certain at all the extent of which this gene is present in the general population."

# Chernobyl Reactor to Keep Operating

By Mary Mycio

SPECIAL TO THE LOS ANGELES TIMES

KIEV, UKRAINE

Ukraine's Parliament, more worried about energy shortages than environmental safety, voted Thursday to keep the infamous Chernobyl nuclear power plant working and to resume the country's stalled atomic energy program.

The Soviet-built Chernobyl plant, which spewed radiation across Europe after a 1986 explosion and fire, was to have shut down by the end of this year. That decision, made by the same Parliament two years ago after Ukraine quit the Soviet Union, was based on voluminous evidence that Chernobyl's RBMK-type graphite reactors were unsafe.

Energy Minister Vilen Semeniuk pushed for the reversal, telling lawmakers that Ukraine is crippled by fuel shortages and by the rising cost of imported oil from Russia. He said

the Chernobyl station, 80 miles north of here, should keep working "because it can supply the entire Kiev region with energy for the winter."

Ecologists in Ukraine and abroad condemned the proposal, and Ukraine's government was divided on the issue. Environmental Minister Yuri Kostenko argued that Chernobyl's shutdown should be not be delayed beyond next spring.

But Parliament voted 221-38 to keep the station working "so long as technically feasible," a mandate that could give it an additional lifetime of at least 14 years.

The Chernobyl accident on April 26, 1986, the worst in the history of nuclear energy, forced the evacuation of 180,000 people from surrounding cities and villages. The official death toll was 32, but medical experts say hundreds, perhaps thousands, may have died later from exposure to radiation.

Reactor No. 4, which exploded in 1986, has been encased in steel and concrete ever since. Two of the other three reactors are working. The other one, Reactor No. 2, has been off since a fire in 1991, but Thursday's resolution, adopted after a short debate, will bring it back on line.

Officials at Chernobyl said shutting the plant would have been costly, not only for the lost output but also for the need for electricity from other sources just to maintain the idle reactors.

But Hanna Tsvitkova, a spokeswoman for the environmental group Greenpeace said that continuing to operate the reactors was dangerous and could prove far more costly.

"Chernobyl is Ukraine's ecological tragedy," she said. "The 2 percent of nuclear energy that Chernobyl supplies to Ukraine's citizens will never justify Chernobyl's victims of the past, present and future."

# Malval Determined to Bring Democracy to Haiti

NEWSDAY

PORT-AU-PRINCE, HAITI

At first glance, Robert Malval seems miscast for the role that has been thrust on him. Despite living with the daily danger of assassination, he conducts business from his fortress-like mansion, where he tries to knit a government out of the threads of violence that cross the island.

"We are still the constitutional government," he said at his home, where metal shields protect the yard from prying eyes and armed soldiers patrol the grounds. Malval says he knows that his people only control a third of the state apparatus, but "we have enough power to prevent others from acting" to take the reins of government.

Malval said he is still looking for something more, a victory. His mission for the next two weeks is clear: to prepare the way for the return of exiled President Jean-Bertrand Aristide, the priest-politician whose restoration to power the international community has been trying to bring about for two years. He says he is hopeful.

Malval said Thursday he was getting ready for a possible meeting with Lt. Gen. Raoul Cedras, the Haitian army chief whom Aristide accused of leading the Sept. 30, 1991, coup against him and whom the United Nations holds responsible for the disorder that has been unleashed on the country since that time.

Malval and Cedras must try to circumvent the legislative impasse that has been blocking fulfillment of the Governors Island agreement. Malval said Thursday he is willing to go along with Cedras' demand that the Haitian Parliament decree an amnesty for crimes related to the coup. But Malval said he would insist that before any amnesty is passed by the legislature, it must first create a new civilian-controlled police force.

# U.N. Issues First Report On Arms Exports

THE WASHINGTON POST

The United States was the world's largest exporter of combat aircraft and major land-based weaponry such as tanks, armored vehicles and artillery in 1992, according to data released Wednesday by the United Nations.

Germany led all other nations in exports of missiles and missile launchers, while Russia, France, Britain and China followed both nations in major arms exports, the U.N. data indicated. The major importing regions were Europe, Asia and the Near East.

The data represent the U.N.'s first annual depiction of global trade in conventional armaments since the General Assembly agreed in December 1991 to call for voluntary disclosures from all members. Arms control groups had pushed for the disclosures after the 1991 Persian Gulf War against Iraq made clear that sophisticated weapons were being sold by developed countries to unstable regions.

The U.S. declaration shows that two historic antagonists — Greece and Turkey — were the principal buyers of U.S. tanks, roughly dividing a total of 1,069. More than 660 U.S. armored vehicles went to Saudi Arabia, Greece, Turkey and Bahrain, in that order, while 113 U.S. combat aircraft were sold to Israel, Turkey, Kuwait and Egypt.

"The U.S. exported 61 percent of all combat aircraft" reported to the U.N., according to a summary of the data published Wednesday by the Monterey Institute of International Studies in California. The sales occurred against a backdrop of steeply declining sales of conventional arms around the globe since the Cold War ended.

# Russia to Stop Dumping Radioactive Waste in Japan Sea

LOS ANGELES TIMES

MOSCOW

Yielding to protests from Japan and the United States, Russia agreed Thursday to stop dumping liquid radioactive waste into the Sea of Japan but warned that it would resume the practice unless richer countries help it process the waste for underground burial.

In return, Japan agreed to an urgent meeting of Russian and Japanese atomic experts in Tokyo Friday to consider building waste disposal facilities on land in eastern Russia. They would be financed with part of the \$100 million that the Japanese have promised to help Russia dismantle nuclear weapons.

Russia caused an uproar when its navy barges pumped 900 metric tons of waste through a hose Sunday into waters 330 miles west of the Japanese island of Hokkaido. The waste, residue from cleaning and deactivating nuclear-powered submarines of Russia's Pacific Fleet, had a low level of radioactivity but caused concern in Japan over possible fish contamination.

The Japanese were outraged that Russia not only violated a 1983 international moratorium on such dumping but acted within a week after Russian President Boris N. Yeltsin's goodwill visit to Tokyo and did not inform their government in advance. The environmental group Greenpeace first disclosed the incident after one of its ships trailed the Russian barges to the dump site.

# Beavis and Butt-head Under Fire

NEWSDAY

Never mind prime-time television or the cover of Rolling Stone. Where Beavis and Butt-head really belong is cartoon jail.

Since their debut last May and the inevitable sounding of the media alarms — in national magazines, network news shows, afternoon talk shows — these fly-weight uglies, their creator and their network parents have taken an enormous amount of flak lately. Earlier this month a 2-year-old Ohio girl died in a mobile-home fire set by her 5-year-old brother; their mother said the boy was inspired to play with fire because Beavis and Butt-head think fire is cool, and they flick lighters in the show. In response to the pressure from parents, watchdog groups and critics who've come out of the woodwork, the network has agreed to delete all references to fire and this week eliminated the 7 p.m. airing of "Beavis and Butt-head," although a kinder, gentler version of the show is being considered by MTV for the 7 o'clock slot. The two half-hour shows now run back to back, starting at 10:30 p.m. weeknights.

# OPINION

## Presidential Power Must Come First

Column by Daniel Stevenson  
COLUMNIST

When an urgent international crisis arises it is important that the president be able to take whatever American action is necessary and appropriate. Historically, such action has been by necessity prompt and resolute. In highly fluid international situations, it is imperative that any decisions come from one and only one source, the president, with no second guessing or conflicting orders. However, a recent proposal by Senate minority leader Robert Dole (R-Kan.) seeks to tie the president's hands and require Congressional pre-approval of any action by American forces in such circumstances. Dole's proposal is a politically motivated, ludicrous, and potentially dangerous violation of the president's constitutional powers.

Dole and his supporters were the same group arguing just two years ago to allow former President Bush a free hand with Operation Desert Storm. Now, however, they want to dictate foreign policy in Somalia and Haiti, operations of a much smaller and more unilateral and peaceful nature than the action in Kuwait, raising important questions as to their motives.

America has a history of rapidly responding to important world crises like in Kuwait, whether to save American lives, to provide disaster relief, or to defend oppressed people. When these situations arise, it is the president, in the constitutional role of commander in chief, who must make quick, informed decisions and implement them expeditiously. Dole's proposal, in effect creating 535 independent and unaccountable commanders in chief, would stifle any kind of immediate action with time wasted in unnecessary debate and political posturing. Our inaction would weaken the confidence of our allies and potentially result in further loss of life.

In order to examine the folly of Dole's proposal, imagine, if you will, an impending international crisis: an outbreak of violent fighting in Pakistan or any other potential hotspot. Innocent civilians and perhaps American citizens are threatened, and immediate international action is needed to avoid further bloodshed and disaster. The United Nations Security Council, convening in an emergency session, votes to send in a quick response

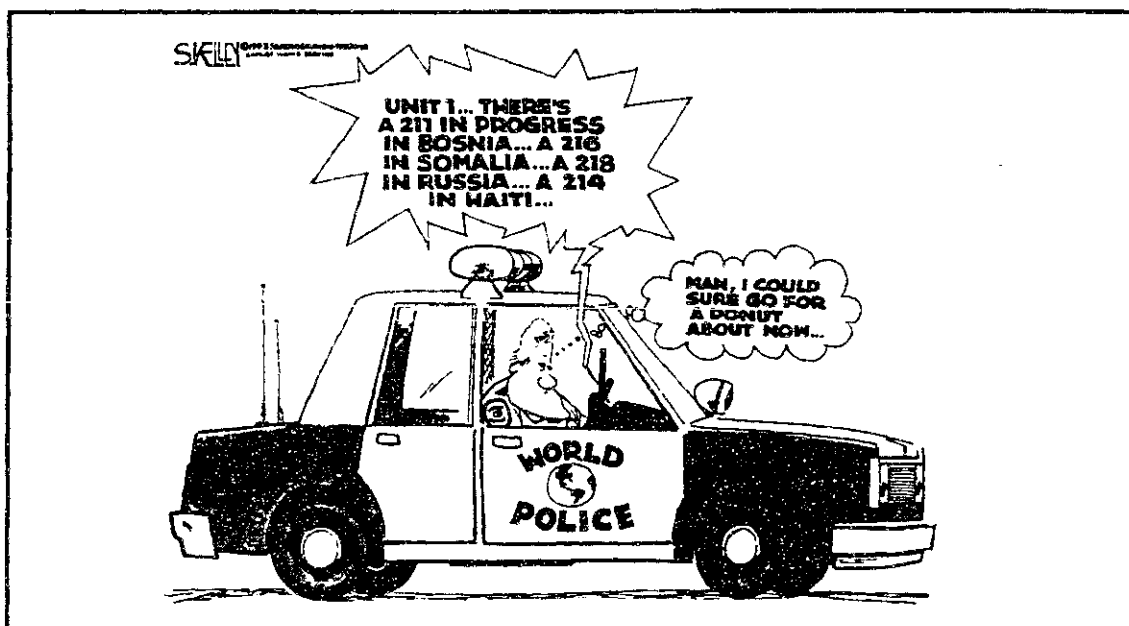
team, composed in part of United States forces. With the current system of checks and balances, the president in his role of supreme commander could authorize American participation in such intervention with the stroke of a pen and the forces could be on the scene in a matter of hours. Later, if the action continued, Congress, under the War Powers Act, would be able to exercise control over the situation, preventing abuses of power such as in Vietnam. This system manages to find a happy medium between necessarily swift action and long term intervention.

However, if Senator Dole has his way, any recommendation for American action would have to wend its way through the tortuous paths of Congress, subject to the inaction and infighting that plagues the legislative system. Debate might begin in one or two days, assuming urgent matters such as congressional pay raises and a proclamation announcing "National Oyster Appreciation Day" were quickly resolved. Then, amid posturing for C-SPAN and inane political rhetoric, the proposal would probably meet a slow and painful death by any one of the favorite methods of Congresspersons, including being piggybacked with irrelevant and unpassable legislation, becoming pigeonholed for future inaction, or the ubiquitous Senate filibuster. Considering past lines of questioning, army generals might even be questioned as to the citizenship of their housekeepers, and the debacles of the

Anita Hill trial or confirmation hearings would be needlessly repeated. Even if the bill had little opposition, many senators and representatives are notorious for taking immense pleasure in listening to the sound of their own voices endlessly repeating the obvious.

One irrational concern raised by Dole is the fear of losing more American lives. The recent heavy casualties in Somalia have worried many lawmakers about the public consequences of sometimes brutal action. What they don't realize is you can't have your cake and eat it too — any armed action has a certain amount of risk. To be brutally honest, America has lost much fewer soldiers in United Nations peacekeeping mission than other countries. Since 1945, less than 30 American soldiers have been killed in peacekeeping operations, compared with over 1,000 from other nations. U.S. forces make up only 5 percent of U.N. forces and are involved in only seven of the 17 current operations.

There is a time and a place for requiring congressional approval of foreign intervention, such as declarations of war or large scale combat operations. However, requiring congressional approval on every matter of urgent action is a ridiculous extension of oversight. Certain predicaments entail expeditious and determined action, and such action can only come from one person, the president, unfettered by an indecisive and unmotivated Congress.



## Enforcement of Death Penalty Required

Column by Michael K. Chung  
OPINION EDITOR

Many people will agree that the criminal justice system in the United States is nothing less than a joke. Why is it that a criminal can kill someone, wait for about a year before going on trial, plead an excuse such as "being under the influence of drugs," or "temporary insanity," go to jail, serve time in that prison, and be released? Obviously, there are many aspects of the trial procedure which allow for an individual to clarify his actions and intents. For some cases, this is beneficial, as a death may be purely "accidental." On the other hand, many people, the criminals and the lawyers, take advantage of the leniency of the justice system in the cases of death, clearly making their lives potentially better, while the victim has no choice but to face the consequences of the other's actions. As a result of such attitudes and actions of our society, I feel that the death penalty must be strictly used and enforced so that violent crime can be deterred, and so that a stronger sense of morality (as paradoxical as it seems) and security can be achieved in this country.

In olden times, the biblical notion of "an

eye for an eye, a tooth for a tooth" was a guideline for punishment. Obviously, less democratic methods of government were in power in earlier eras (and still are in some areas of the world), and such punishment was used not only to enforce the rules, but also to create an aura of fear and loyalty toward the governing body. Today, in the United States at least, the justice system does not base itself on such a quality. Rather, this nation was founded on the freedom to "life, liberty, and the pursuit of happiness." Because the nation began with those ideals, there is no absolute delineation between one person's freedoms and those of another. What makes person X happy may infringe on the freedom of person Y. The laws and the courts determine what exactly those infringements are. Because of the flexible nature of the nation's laws and the nature of its people, person X can charge person Y for a wide variety of things which upset him, no matter how relatively trivial they are.

It was never intended that fear be ever-present in our society. Slowly, however, fear has worked its way into many sectors of the nation, including the ghettos, the suburbs, and college campuses. This is partly due to the

remedial (in contrast to redemptive) nature of the judicial system. Instead of punishing a criminal in a manner corresponding to the suffering of the victim — particularly in cases of assault, battery, attempted murder, or rape — the perpetrators are often put in jail for a determined period of time and then evaluated for release. Do the prisons and correction facilities foster stronger morals or teach them why what they did was wrong? Few seem to, despite some of their titles as correctional facilities.

Rather, many prisoners more or less take up space, often doing manual labor for the government, and taking part in recreation activities. Many of the prisoners are serving sentences in excess of ten years for murder. Is it really worth it to keep these people there — especially when those imprisoned have committed blatant acts of murder? Is it more of a punishment to expose a murderer to a long life of potentially hellish prison conditions than to execute him in the first place? For the sake of argument, let us ignore the cost of incarceration, which is estimated at \$30,000 per year,

Chung, Page 5

### Opinion Policy

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# Citizens Must Realize Consequences of Their Actions

Chung, from Page 4

as well as the fact that the prisons are overcrowded. However, it should not be overlooked that often, criminals are given suspended or shortened sentences because prisons are crowded.

Fundamentally, it is unfair for a person to take someone's life without just cause, and merely go to jail for it. Take the case of Shon McHugh. He killed another human being. McHugh was reportedly under the influence of alcohol and/or marijuana. He and his two friends accosted Yngve K. Raustein '94 and Arne Friedheim G. The rest of the story is history. If someone does something, he is obligated to do so responsibly, and realize and handle the consequences. Assuming the report to be true, McHugh was under the influence. Anyone that smokes, drinks, or takes drugs ought to realize that he is responsible for his behavior afterwards. McHugh stabbed Raustein. By carrying a knife, McHugh took the responsibility of arming himself, and by using it, McHugh shouldered the accompanying responsibilities.

Did McHugh realize the potential implications that smoking, drinking, and brandishing a weapon before doing so that evening over a year ago? Before he set out that (or any other) night, he, like any other human being, should. If that person can't handle the responsibility, then he shouldn't begin in the first place. Put another way, "If you can't stand the heat, get out of the kitchen."

McHugh was tried as a juvenile (he was not yet sixteen years of age at the time of the incident) without a jury. He was sentenced to twenty years in prison. He is scheduled to serve time in the juvenile prison until he is twenty-one, and then he will be transferred to the adult prison. Twenty years of prison is a rather weak sentence. Especially considering his attitude throughout the incident and in the courtroom. He reportedly bragged to his friends that night how he thrust the blade all the way through Raustein's body. In court he said that Raustein impaled himself.

What kind of demented attitude and lack of respect toward human life is this? What is spending twenty years in prison going to do for McHugh? For our society? Is McHugh

going to be effectively counseled during his sentence? Will anyone care after him at all in the humanistic sense? Will he realize the magnitude of his actions? Even if any of this happens, the fundamental issue is this: He acted irresponsibly; he killed someone. Period. He deserves what he dished out to his victim — death. Alongside the "eye-for-an-eye" rule has always been the Golden Rule — "do unto others as you would have them do unto you." Criminals seem to forget this second rule: I can't imagine that criminals would want to be subjected to their own crimes.

Another case reveals the atrocities of human behavior. On Oct. 11, a 15-year-old Rochester boy killed his parents and his 11-year-old sister with a handgun. According to *The Boston Globe* report, Gerald McCra stole his grandfather's handgun, murdered his mother in the kitchen, and then his father and sister who were in the car, ready to depart for a birthday party. All were shot in the head. McCra then drove the corpses to the nearby woods. When the police came, McCra "led them from a bloody hallway to two windows broken from the outside, suggesting that burglars had entered the house."

So far, no trial dates or conditions have been announced. Even then, what good will a trial do? McCra is known to have a history of misbehavior and bad family relations. Nothing can be done to bring back his mother, father, and sister. McCra obviously acted in an irresponsible manner. Although it may (and probably will be) argued that McCra is too young to know what he was doing, that no one would have guessed that he would have done something this extreme, that he can still be reached out to, it seems silly to pursue such arguments. He killed three human beings. He was related to them. It is said that he had problems with them. He is reportedly under treatment for hyperactivity and his medication apparently is charged as contributing to violent behavior.

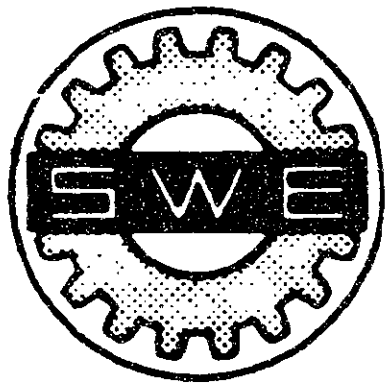
If he is not sentenced to death, he will probably be issued a sentence similar to McHugh's — go to jail for a long time, if not the rest of his life. Is it worthwhile to keep anyone in jail for sentences of such duration? McHugh and McCra will undoubtedly be subjected to the harsh realities of prison life, and what kind of future will be ahead of them if

they are released in twenty or thirty years? Quality of life after prison is not the issue though. It is terribly inefficient (in fact, wasteful) to incarcerate someone for so long. Current conditions are not the issue either. The simple issue is this — these criminals murdered their fellow human beings. Although there are many cases in which the death penalty is of questionable use (e.g. domestic violence, self-defense), some scenarios definitely warrant the expedient use of the death penalty.

By buckling down on such discipline, several things may happen. First, criminals will get what they deserve in the context of this piece. Secondly, justice will be better served for the victim. Someone from Baker House (where Raustein lived) said that since McHugh was found guilty and will serve twenty years in jail, "Justice is served." To me, for justice to be served completely, McHugh would have to be walking with a friend and attacked the same way he attacked

Raustein. That way, he can experience the same emotions, fears, and results that Raustein may have experienced. I feel that all such criminals should experience what they put others through. Obviously, this is not at all feasible. The use of the death penalty would come closer to equalizing the issue than current jailing practices do.

Of course, there is the argument that these people deserve another chance, that they are still good for many things. I believe that they have already had their chances. If people followed the Golden Rule and thought about whether or not they would want the same thing to happen to them, much crime would probably not occur. By punishing people quickly and seriously, potential criminals may think again before committing a crime. Awareness of the consequences is not to be interpreted as a fear, but rather, as a more effective way to deter people from the life of crime, whatever its form.



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# Rash of Crime in City Includes MIT Campus

Robbery, from Page 1

In reaction to these incidents, Campus Police have increased police patrols during the late night hours and have requested additional aid from the Cambridge Police Department to patrol the perimeter of campus.

"We did this to create greater visibility and [hopefully to] apprehend suspects or deter it from happening again," Glavin said.

Campus Police are also working with Cambridge police and other area law enforcement agencies to determine the scope of the problem. They believe the recent crime wave is not confined to MIT but is Cambridge-wide.

The victims in other Cambridge robberies which occurred between Oct. 11 and Oct. 18 report assailants of similar descriptions and similar robbery methods. The police departments are trying to determine the suspects' identities by looking for matches among the victims' accounts.

These other incidents include two robberies involving a knife, one at 9:55 p.m. on Oct. 11 at the Kendall Square MBTA station and one at 1 p.m. on Oct. 12 on Essex Street.

Two other robberies were at

gunpoint: one at 7:10 p.m. Oct. 14 on Harvard and Columbia Streets, and one at 10:30 p.m. Oct. 16 on Langdon Street.

There was one robbery where the assailant wielded a blunt object at 7:50 p.m. on Oct. 18 in a Stop and Shop parking lot.

Glavin urges students to be more cautious when traveling on campus and in the Cambridge area. "When students are out and about they need to be cognizant of [recent crime], especially in the late night hours," Glavin said.

Students, on the other hand, do not feel compelled to change their daily routines, although some have said that these crimes have heightened their awareness. Many have already become more cautious due to last year's murder along Memorial Drive and do not intend to adapt further.

However, students are generally surprised by the crime on Amherst Alley, which they previously considered a safe area. "It shocked me a little bit. I always thought I was pretty safe on Amherst Alley. Last year [crime] was more shocking, but this year I am more used to it," said a senior at Burton House.

Sarah Y. Keightley contributed to the reporting of this story.

# RCA Seeks to Improve Accounts

Finances, from Page 1

are not working."

Finboard funding, on the other hand, is allocated in the forms of grants, no interest loans, and capital investments, which the UA owns. For example, if the UA were to invest in a podium for the debate team, the UA would own the podium (a capital investment). Finboard only offers funding to student groups which consist of at least 50 percent under-

graduates.

Finboard receives all of its money for allocation from Arthur C. Smith, the dean for undergraduate education and student affairs. Smith gave Finboard \$84,500 for fiscal year 1994, Kessler said.

This 1994 funding level is 6 percent greater than fiscal year 1993's allocation, the rate at which tuition increased, he said. This increase came at a time when Smith's overall budget decreased. "Dean Smith should be commended for that," Kessler said.

# Grad Students Want Resnet

Resnet, from Page 1

Athena dialup, which is slow and limiting, he added.

"I think that there are severe limitations to dialup," said John C. Baker Jr. G, co-chair of the GSC housing and community committee. The main computing benefits of ethernet are the speed and range of applications that can be run, he said.

Graduate students would gain other benefits from network connec-

tions in their dormitory rooms, Baker said. "Many graduate students don't have computers in their offices, especially design students and, I believe, biology students, who don't get them until their third year. Access to computers is limited," he said.

"Graduate students tend to have more odd hours. In light of robberies over the past weekend, safety is an issue. Maybe traveling back and forth [to the office] late at night isn't all that safe," Brown said.

Although a survey focusing on the Resnet issue will not be conducted for three or four weeks, "Our informal feeling from GSC meetings is that a lot of graduate students would like to see and would make use of a link to Athena," Baker said.

Satyavolu S. Papa Rao G agreed. "I use Athena a lot. Programs like Matlab are especially necessary for small research groups that can't afford to buy it themselves," he said.

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# Vest Announces Institute Goals at Faculty Meeting

By Eva Moy  
NEWS EDITOR

President Charles M. Vest outlined the Institute's priorities over the next three years at Wednesday's faculty meeting. In light of the recent budget deficits, many of the changes he suggested involve restructuring and reducing the number of staff, faculty, and students in the near future.

"The growing imbalance in the Institute's operating budget is an obvious manifestation of this challenge, and it demands our attention," Vest said. "The critical element of the plan is to restructure all support and administrative functions and reduce the number of employees required."

"I think we do face the challenge despite all of these problems ... to maintain a strong morale and a sense of common purpose, that we roll up our sleeves, and do what we must do to deal with the growing imbalance in our operating budget," Vest said.

This year's budget deficit was over \$10 million, and next year's is estimated at about \$13 million, "both of which have crept up since our [original] projections," Vest said.

Vest said he would like to reduce the operating gap by \$40 million by the end of fiscal year 1997.

One solution is to continue 2



TECH FILE PHOTO

## MIT President Charles M. Vest

percent budget reductions per year for fiscal years 1995 and 1996 in the provost's budget areas. This will not be an across-the-board cut, but specific cuts that total 2 percent, Vest said.

Vest outlined these problems and possible solutions, but he emphasized that these are only sample solutions and not necessarily finalized.

His goals for the next three years include: maintaining MIT's position as the leading academic institution focused largely on science and engineering; maintaining flexibility to

develop new educational and research opportunities; maintaining merit-based and need-blind admission; moderating the rate of growth of tuition and self-help levels; keeping faculty and staff salaries competitive; and hardening faculty salaries.

In addition, Vest emphasized the importance of a diverse faculty, staff, and student body and of improving the efficiency and value of services the Institute provides.

## MIT must do with smaller work force

In an effort to reduce the budget deficit, MIT will have to work more effectively with a smaller work force, in terms of faculty, staff, undergraduate, and graduate students, Vest said.

He hopes to reduce the number of employees by about 400 over the next three to four years and restructure support and administrative functions. The restructuring plans call for the consolidation of the administrative functions of the School of Architecture and Planning, the School of Humanities and Social Sciences, the Sloan School of Management, and the Whitaker College of Health Sciences and Technology.

Vest also recommended was a 5 percent reduction in faculty over 10 years, and reduction in the number of visitors at MIT. There are cur-

rently over 1000 visitors, according to Vest.

In addition, Vest said he would like to reduce the average salary growth for all employees for the next three years. MIT is not alone, though, and "virtually every institution has been growing very slowly," Vest said. He would also establish programs for career counseling, outplacement, retraining, and possible severance inducements.

For students, graduate enrollment will also decline by 10 to 20 percent, in part because of changing government rules for indirect cost reimbursement.

"We are simply not going to be able to support the same number of [research assistants] and [teaching assistants] as before," Vest said. The quality of education for students may be enhanced over the years because the same resources will serve fewer students, he said.

Undergraduate enrollment will probably stay the same, because the Institute cannot house more students yet. However, Vest recommended reducing the amount of

unrestricted funds used for student financial aid to 15 percent of tuition revenue.

Currently, about 20 percent of the unrestricted funds available each year are used to support financially needy students. The 20 percent rate "is a warning sign that we are having difficulty meeting that," Vest said.

## Institute services will be affected

In addition to cutbacks in personnel and students, some services may be affected, including applying indirect cost rates to health care funding, and charging fees for medical services for non-MIT employee members.

The Institute may also start charging people for the use of parking facilities. "This is certainly not something one wants to do," Vest said, but MIT is one of few institutions which offers free parking.

Another possibility is the restructuring of student services like the Office of the Dean for Undergraduate Education and Student Affairs, housing, and financial aid.

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1 Bennett Street  
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# Sophomore Major Selection Statistics Are Released

Majors, from Page 1

dents, or 29 percent of the sophomore class.

Although mechanical engineering is still the second largest major, the number of sophomores in the department dropped this year to 126 students, down from the 163 sophomores last year. This is a decrease of 29 percent.

Professor David G. Wilson, undergraduate officer for the mechanical engineering department, said that the department has been growing slightly but steadily for the past 10 years or so. The sudden decline was unexpected, he said.

"We've always been very popular ... because [mechanical engineers] can always get employed in many different types of jobs," he said.

"We're not going to go around spinning hand springs at midways or open houses," he said. Wilson felt confident that the department would return to its previous status. "I think we will climb back up again."

The economics department had 26 sophomores join their department, up from 13 sophomores last year. Normally the majority of economic majors transfer into the department as upperclassmen, according to Professor Peter Temin PhD '64.

The number of sophomores now enrolled in the biology and chemical engineering departments has increased dramatically. Jumping 55 percent, 116 sophomores declared biology as their major, compared to 75 students last year. In another upward trend, 123 sophomores declared chemical engineering.

### Increase in biology majors

The overall undergraduate student population majoring in biology increased 22 percent, from 236 to

289 students. "My initial reaction was one of surprise," said Professor Gene M. Brown, the biology department's undergraduate officer.

"Normally we see a big increase [of students] between [their] sophomore and the junior year, because a lot of people transfer in as juniors," Brown said.

Brown speculated that the sudden increase in biology's popularity could be the result of a new version of the Introductory Biology classes (7.012-4) classes, which the department began teaching two years ago. He said that the course professors are excellent, and many freshmen take one of the subjects.

"I expected that we would see a big jump in a year or two, because [introductory biology] is now required, and more freshmen would acquire interest," Brown said. But the increase of interest in biology came a year earlier than expected, he said.

In addition, "across the land, there is a general increase in people going into medicine," he said.

Brown explained that although the biology department is moving into the new building in late spring, the department is not expanding. He is not worried about the growing number of biology majors just yet.

"The limitation always is that we want to give every opportunity for the students to get research experience. With a large number of [biology] majors, this becomes difficult. So if we continue to increase at the same rate in the following years, I'd be a little concerned," Brown said.

### Course X is growing

The chemical engineering department continued to grow for the third consecutive year with a 24 percent increase in sophomores. The department had increased by nine percent between the 1990-91 and 1991-92 school years.

| Major                                       | '91-'92 | '92-'93 | '93-'94 |
|---------------------------------------------|---------|---------|---------|
| Civil and Environmental Engineering         | 31      | 38      | 48      |
| Mechanical Engineering                      | 145     | 163     | 126     |
| Materials Science and Engineering           | 39      | 47      | 35      |
| Architecture                                | 31      | 29      | 25      |
| Chemistry                                   | 42      | 46      | 33      |
| Electrical Engineering and Computer Science | 301     | 301     | 327     |
| Biology                                     | 72      | 75      | 116     |
| Physics                                     | 77      | 75      | 60      |
| Brain and Cognitive Sciences                | 8       | 11      | 23      |
| Chemical Engineering                        | 90      | 99      | 123     |
| Urban Studies and Planning                  | 2       | 5       | 4       |
| Earth, Atmospheric, and Planetary Sciences  | 3       | 1       | 3       |
| Ocean Engineering                           | 2       | 3       | 2       |
| Economics                                   | 17      | 13      | 26      |
| Management                                  | 28      | 21      | 17      |
| Aeronautics and Astronautics                | 64      | 30      | 42      |
| Political Science                           | 4       | 4       | 6       |
| Mathematics                                 | 35      | 41      | 31      |
| Mathematics with Computer Science           | 22      | 14      | 17      |
| Humanities                                  | 6       | 2       | 4       |
| Nuclear Engineering                         | 6       | 15      | 10      |
| Linguistics and Philosophy                  | 0       | 1       | 1       |
| Undesignated                                | 75      | 45      | 64      |
| Total                                       | 1101    | 1079    | 1143    |

Professor Michael C. Mohr, undergraduate officer of the chemical engineering department, explained that the number of chemical engineering majors had "wandered around for nearly 10 years," and then increased for the past

three. Mohr attributed the increasing interest in Course X to the range of opportunities that chemical engineering offers. "I think that students are starting to realize that chemical engineers enjoy a very broad [job]

market," he said. Mohr said that the growing size of the department in the past few years has caused the sophomore laboratory classes to become slightly crowded. However, there have been no serious consequences, he said.

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## THE ARTS

**Nightmare displays spectacular animation****THE NIGHTMARE BEFORE CHRISTMAS**

Directed by Henry Selick.  
Written by Tim Burton  
and Caroline Thompson.  
Music by Danny Elfman.  
Loews Harvard Square.

By Joshua M. Andresen  
ASSOCIATE ARTS EDITOR

**A**lthough several Christmas movies are put out every year, Halloween movies are a rarity. This year, however, fans of the spooky and the scary are in for a treat as well as a few tricks with Tim Burton's *The Nightmare Before Christmas*. The animation of this film is incredible, as are the characters, though sadly this level of excellence is not matched in the writing and the music.

Set in a land where each holiday has its own world, *Nightmare* gives the account of Jack Skellington, the leader of Halloweentown. Tired of exporting Halloween every year to the "real" world, Jack wanders through the forest with his ghost dog Zero searching inwardly for a new direction. As he broods, he stumbles into Christmastown, where he is enraptured by the colors and the joy and everything else he sees. He decides a career change for him is in order as he starts making plans to deliver Christmas this year. His plan includes kidnapping "Sandy Claws" so that he himself may deliver all the toys made for him by the ghouls and goblins in Halloweentown. Unfortunately, his good intentions do not translate into a successful Christmas, as the toys delivered are perhaps more appropriate for the naughty than the nice. This is further complicated by the fact that the Evil Oogie-Boogie wants to eat poor Mr. Claus for dinner. In the end, though, all works out and Christmas is saved.

The most striking feature of this film is the impeccable animation. The movements of the extremely lank Skellington are impossibly smooth as he dances across the screen in his fits of jubilation. Indeed, the graceful move-

ments of Fred Astaire were studied in the choreographing of Skellington's steps. The range of facial expressions for the puppet Jack is also staggering. The number of heads created for him numbered almost 800 through the production of the film.

The breadth of the project is impressive as well. The film casts 74 individual characters, and the various scenes employ as many as several dozen puppets, each moving fluidly and independently. It is easy to forget at times that *Nightmare* was painstakingly filmed in stop-motion, with fourteen animators producing only 60 seconds of animation in a full week's work.

Tim Burton's characters is the aspect that makes this film truly entertaining. Skellington's naive ebullience endears the audience to him even through his blunders. Leading lady Sally is a patchwork doll/bride of Frankenstein who patiently tries to win Jack's affection while trying to keep him from going to far in his attempt to take Christmas over. The Evil Scientist, Sally's creator, is happy to help Jack out in creating his reindeer, bringing some bags of bones to life with appropriate jolts of electricity. The Evil Scientist's voice is very appropriately provided by William Hickey, best known for his portrayal of crime boss Corrado Prizzi in *Prizzi's Honor*. His gravelly voice lends the perfect effect to his twisted character. Lock, Shock, and Barrel are the worst trick-or-treaters this side of Eastertown, and are the henchmen Jack sends to kidnap Santa. Their mischievous tricks are a delight to watch, if somewhat cruel. These three are responsible for delivering Santa to Oogie-Boogie, the king of the boogymen who is so bad that even in Halloweentown he has to live underground.

The artistry in the puppets is also very nicely done. The various characters in Halloweentown are appropriately grotesque, from the seaminess of Jack's smile to the ghoul whose face is perpetually bubbling to the slithering contents that make up Oogie-Boogie's stuffing. All of this is quite fitting for a Halloween film.

Unfortunately, neither Caroline Thomp-

son's screenplay nor Danny Elfman's score are particularly impressive. Though the characters are wonderful, the plot lacks twists of any kind. The plot moves straight ahead, plodding along to the inevitable conclusion. Several side themes might have been explored, but were ignored instead.

The original music and lyrics by Danny Elfman were not so inspired, either. Though the slow and somber melodies and minor tonalities may be appropriate to a Halloween movie, the incessant use of similar motives is

none the less boring. Fortunately for Elfman, the excellent animation saves the musical scenes with the inspired choreography.

Despite the flaws, *Nightmare* remains a very entertaining film. The hilarious scenes of the children opening their Halloweentown toys are worth the price of admission by themselves, and the scene in which Oogie-Boogie sings his song to Santa Claus under a blacklight (a powerful effect) is exceptional as well. Quite the "treat" for Halloween.



A restless rag dog names Salley struggles to escape from her creator and comes to meet Jack Skellington, in *The Nightmare Before Christmas*

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ON THE SCREEN

— BY THE TECH ARTS STAFF —

★★★★: Excellent  
★★★: Good  
★★: Average  
★: Poor

★★★½ **The Age of Innocence**  
The film version of Edith Wharton's novel homes in on of the conflict felt by Newland Archer (Daniel Day-Lewis), who must balance the rigid social code of 1870s New York and his passion for Ellen Olenska (Michelle Pfeiffer), his fiancée's independent and intellectual sister. Despite the Victorian setting, this is obviously the work of director Martin Scorsese, who specializes in movies about people's struggles to make decisions. The directing is meticulous and the sense of authenticity is impressive. The chemistry between Day-Lewis and Pfeiffer is also powerful, but the camera focuses on the internal struggles of the two and thankfully avoids the torrid sex scene typical of Hollywood movies. —Craig K. Chang, *Loews Harvard Square*

★★★ **Cool Runnings**  
Based on the true story of 1988 Jamaican Bobsled Team, the film is actually quite enjoyable despite its overused themes. Starring Leon (remember Madonna's "Like a Prayer" video?), Doug E. Doug, and John Candy, the film follows four Jamaican athletes and their coach on an adventure from a sunny island to the Calgary Winter Olympics. The underdog story has its own unique scenario, and manages to pass as a sweet mixture of comedy and heart. —CKC, *Loews Copley*

★★★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 Copley*

★★★ **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 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 *Ram-*

*bling 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*

★½ **Malice**  
A clever, but underdeveloped plot dooms *Malice* to mediocrity. The movie centers around an egocentric, young doctor with a God complex (Alec Baldwin). The doctor saves the life of a college student who is raped; then he rents a room from one of the college's deans (Bill Pullman) and his wife (Nicole Kidman). But what starts out as a thriller about a killer on a college campus, ends up as a confusing story with a plot line that has more twists than a bag of pretzels. Kidman and Baldwin act well, but Pullman is both dull and boring. *Malice* also suffers from the Hollywood syndrome of unnecessary violence and pointless sex. Neither help the plot any, and often they are completely out of character. As a thriller, this movie fails miserably. As a mystery, it fails too. I don't think anyone can be expected to come close to figuring this movie out. —Patrick Mahoney, *Loews Cheri*

★★★ **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 Copley*

★★½ **Mr. Jones**  
This movie's namesake, Mr. Jones (Richard Gere), suffers from extreme bouts of euphoria and depression. The movie follows Jones and his psychiatrist Elizabeth (Lena Olin) as Elizabeth treats Jones and falls in love in the process. Gere's acting is superb, playing his part with flamboyance and energy. Olin's performance holds its own, but she is dwarfed by Gere. The movie is about mental illness, but it doesn't address the issue very well. It glosses over much of what is done for Gere and the plot ends up being muddled and slightly confused. Still, see *Mr. Jones* for the performance of Gere — it's one of his best and most convincing. —PM, *Loews Copley*

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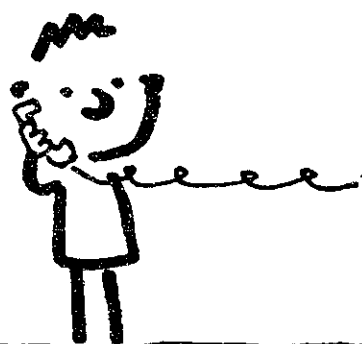
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# Jim's Journal

by Jim

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"I think you're the last guy on earth without cable," Steve said yesterday.



10-19

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Watch your mail for nomination notices and come to the Open Meeting on *Tuesday, October 26, 1993* in Lobby 13 from 6:00 to 9:00 p.m. Share a pizza with members of the Corporation and learn how you can make a difference for the student body at MIT.

**See other side  
for nomination form.**

# Vix Picks Patsies Over Doves in NFL

Argue, from Page 15

your head and" Coughlin. Boston University 42, Rhode Island 27: Terriers are a better football team, but Rams are better partiers.

Patsies 10, Doves 7: Thoughts of going to Hartford inspire Patsies to upset, as they hope to make team attractive to a Boston bidder. Bills 24, J-E-T-S 23: After building up 23 point lead, Jets fold in second half as team leaves stadium to catch rerun of the Fox made for television movie *Jersey Girl*. Oilers 27, Pussy Cats 7: In order to replace *The Chevy Chase Show* with something more humorous, Fox plans to show clips of Cincinnati Bengal personnel pretending to be football players. Fish 20, Colts 10: Indy players show up to game by parachuting from overhead jet, as they don't want to be driving rental cars around in Little Havana. Saints 34, Pigeons 17: Atlanta players imitate scene from Disney's movie, *The Program*, and lie down on field to see how many of the Saints players will run by them. Niners 26, Bishops 0: Phoenix players too upset over the Beavis and Butthead con-

troversy to play game. Instead, they spend the day watching old tapes of the Boys. Bears 7, Norwegian Americans 6: Newly acquired running back Tim Worley barely gets his nose past line to make the winning score.

Last Week: 6-3. Season to date: 34-16.

## Rumblings From the 'Tute

Alex Tapia '96 sends us: "The only team to win six American League titles since then are the Oakland Athletics. They won in the early 70s with Reggie Jackson and then who could forget them going three straight years to the World Series, lost against Los Angeles, beaten by San Francisco, and lost against Cincinnati. They also won the pennant last year only to lose to Toronto. In all the As have been a very successful ball club since the date you requested."

From Al Ramsey G: "Take it easy on us Californians, it's bad enough that Cal lost the way it did. I guess the only thing us Californian sports fan have to look forward is the Stanley Cup chase from those Mighty Ducks!"

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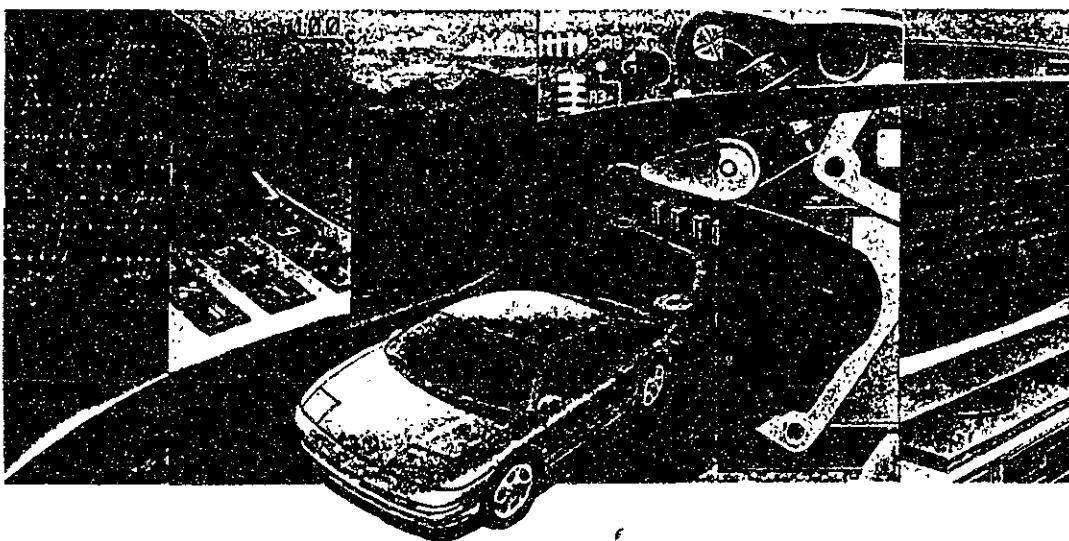
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# Umpires Should Worry about Calls, Not Cameras

Argue, from Page 20

ever Reduce Firearms night, where the first 250 fans to turn in a gun to the front office received a pair of tickets to the Bulls exhibition game. By the end of what promises to be a long season without His Airness, Snottie Pipsqueak and the boys will be glad that the Bulls management has done everything possible to remove dangerous implements from their fans.

The sudden retirement of Michael Jordan has done more than strip Chicago of its best player and the NBA of its biggest media star. It has unfortunately also planted the idea of retirement in many athletes heads. After Charles Barkley collapsed during training camp, he claimed that his back was causing him so much pain that he would like to retire after this year, especially if the Suns win the championship. Now that Rickey Henderson is back in the World Series, he has also expressed a desire to hang them up. Most athletes, especially those making piles of money, respect Jordan for being able to quit while still at the top of his game. Still, it shows that media harassment and big cushy contracts may force great players out of sports.

Sports celebrities are not the only ones who whine these days. The major league baseball umpires union is complaining to both CBS and the league offices to remove the Sky Cam from World Series broadcasts. This camera is positioned directly above home plate, so as to give a top view of the ball crossing home plate. The men in blue claim that CBS is using the camera to second guess their calls of balls and strikes, thereby showing them up. CBS does do this when warranted, but the camera also provides some

excellent shots for close plays at the plate and allows the viewer to see the movement on pitches. Maybe the umps should worry more about getting the calls right — unlike some calls they blew at first base in the NLCS and World Series — and less about what's on the tube.

Anyone who played in the NBA prior to 1980 would be shocked to hear that Derrick Coleman turned down an 8-year \$69 million offer from the New Jersey Nets that would make him the highest paid player in the league. This contract dispute is not about money, though. It should be obvious to the team that Derrick simply does not want to play for the Exit 16W's, a team that showed promise last year but which fell apart when Kenny Anderson got hurt, Drazen Petrovic was killed, Chris Dudley left via free agency, and Benoit "Balls" Benjamin joined the team. DC is simply forcing the Nets to ante up enough dough to keep him in a place he doesn't want to be. Sort of like the type of dough a company has to offer an engineer to move to Saskatchewan.

With the near completion of the baseball season, we bring you our votes for the major awards, starting with the AL MVP:

1. Frank Thomas
2. Juan Gonzales
3. Ken Griffey Jr.

The Big Hurt had a monster year, and should be consensus choice on everyone's ballot. Gonzales led the league in dingers despite an injury that kept him out at the end of the season. Junior gets the nod over Paul Molitor because he plays the field, and over Rafael Palmeiro because he had better numbers at the plate for a worse team. In another stunning display of prognostication, these are the same exact selections we made in our pre-

season baseball article, so many months ago.

## Menudo's Top 5

1. Florida State
3. Notre Dame
4. Ohio State
5. MIT

The Seminoles are off this week, while the Lou "Our team couldn't beat Wellesley" Holtz's Notre Dame hosts Southern Cal. Each team is eagerly anticipating this season's second "Game of the Century," to be held Nov. 13 in South Bend. Meanwhile, the Bucks travel to West Lafayette to dispose of the Boilermakers.

## Let's Argue Fan Top 5

This week's fan is Frank Leibly G, who sent us the following:

1. Washington
2. Washington State
3. Eastern Washington
4. Puget Sound
5. Berklee College of Music

## Globe Gem of the Week

This week's winner is Jack Craig, who regularly reviews sports media coverage in his Sportview column. Quick to spot rising stars, the following appeared in last Tuesday's edition: "Mike Duffy and Andrew Heitner will make sports announcing history Saturday when they broadcast the MIT-Nichols football game on WMBR-FM (88.1). It has never happened before at MIT." A hearty *Let's Argue* two thumbs up to Jack.

## Where Are They Now?

1980 Philadelphia Phillies. Manny Trillo "in Rio," Bake "Father of" McBride, Garry Maddox, Greg "Bull" Luzinski, Bob "Thumbs like Debbie" Boone, Keith Moreland, Steve Carlton, Dickie Noles, Dick "Doctor" Ruthven,

Randy Lerch, and Tug "Quick draw" McGraw.

## Race For Futility

Temple: 325 points (54.2 ppg)  
Maryland: 319 points (45.6 ppg)  
The number of points given up by these two teams so far this season is equivalent to the average verbal and math SAT score, respectively, of a Harvard freshman.

## Mondongo's Hueso de la Semana

To the driver of the Oklahoma Sooner Schooner. In last week's OU loss to Colorado, the Sooners managed to put a field goal on the board in the second quarter. Following Sooner tradition, an oversized chuck wagon, pulled by a couple of horses, scooted on to the field. As the wagon was turning around to head back to the end zone, the driver tried to "cut the wheel" too tightly, causing the schooner to tip over and sending both him (who was on top of the wagon) and his buddy (inside of the wagon) scrambling. Both escaped major injury, but not the watchful eye of Mondongo.

## Trivia Question of the Week

What do the call letters WMBR stand for? Send answers, questions, and stupid stunts you copied from television to sports@the-tech. Answer to last week's question: The Oakland Athletics, with nine division titles and six pennants. Kudos to Alex Tapia '96, Jonathan Sigman '95, Al Ramsey G, who all got it right. They win free medical exams and canning jars, courtesy of our friends at the Cambridge California Cryobank.

## MIT TWIB Notes

A *Let's Argue* two thumbs up to Sam Pearlman '96 of the men's soccer team, who was named Constitu-

tion Athletic Conference player of the week. The team hosts Clark College tomorrow at 10:30 a.m. — plenty of time to catch the game then the tailgate action over at the barbecue pits.

Good luck to the men's water polo team, as they participate in the EWPA Division III tourney, held at Williams College, this weekend.

The men's cross country team, currently ranked fifth in New England, hosts the Constitution Athletic Conference championships tomorrow.

With a 3-0 win over UMass-Dartmouth on Tuesday, the women's field hockey team improved to 9-4 (2-3 in the conference). They host Worcester Polytechnic Institute out on the turf tomorrow. Game time is 11 a.m.

Another two thumbs up goes to Jose DeLeon '97 of the football team. DeLeon received the New England Division II and III Golden Helmet Award (player of the week) for his performance last Saturday against Curry College. Meanwhile, the football team remained ranked 16th in New England.

The women's volleyball team, ranked third in New England with a 16-4 record, is at the Hall of Fame Classic all weekend. They follow up this road trip with a home match versus UMass-Lowell on Tuesday at 7 p.m.. Good luck to the lady spikers.

## Vix Picks

MIT 30, Nichols 0: Howard Johnson, Paul Gray '54, and Chuck Vest incite crowd as they peel off their shirts to reveal "M-I-T" painted on chests. Boston College 35, Army 14: Rumors of a standing room only crowd are "completely unfounded," explains Coach "Turn

Argue, Page 13

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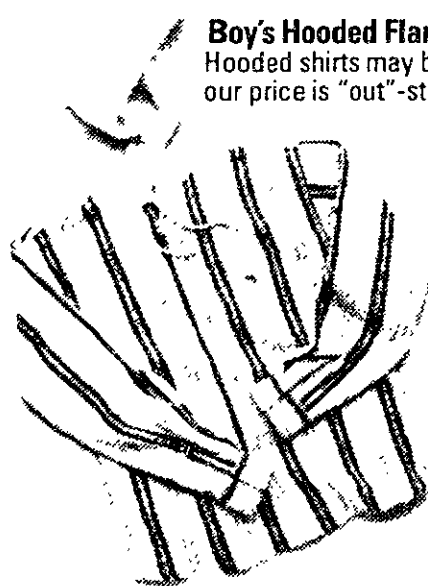


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9:30am - Women's Sailing  
10:30am - Men's Soccer  
11:00am - Women's Field Hockey

11:00am - **Barbecue/Picnic and Carnival at the Pits** • Join fellow alumni/ae and students at a pre-game barbecue and picnic hosted by Fiji fraternity. Student organizations will set up booths around the perimeter of the Pits in a carnival atmosphere.

The feature presentation (hosted by the Student Center Committee) will be **Virtual Reality** in the Student Center Lobby on Saturday (10am-4pm) & Sunday (12pm-6pm).

1:00pm - **Football Game v Nichols College** • A large crowd is expected to be on hand to watch the Engineers take on Nichols College in a division football game. Listen to **WMBR's** first live broadcast of the game!

~2:15pm - **Half-time Ceremony to Honor Scholar-Athletes** • Half-time

will feature a ceremony celebrating the accomplishments of the 59 scholar-athletes. Master of ceremonies Howard Johnson HM.

### ~4:30pm - Post-Game Reception

• Scholar-athletes will be the special guests of the Athletic Department and the Alumni/ae Association as coaches, athletes, alumni/ae and students gather in Kresge Lobby to toast their accomplishments.

8:00pm - Kappa Alpha Theta Dance-a-thon, Walker Memorial.

### SUNDAY OCTOBER 24, 1993

9:30am - Women's Sailing

12:00pm - **The 29th Annual Head-of-the-Charles Regatta** • Look for Student Alumni/ae Council (SAC) members at the MIT information table on the Cambridge side of the Charles River.

**LISTEN FOR WMBR'S FIRST LIVE GAME BROADCAST**

# Women's Tennis Struggles to 2-2

By Carol Matsuzaki

TEAM MEMBER

The women's tennis team played four tough matches during the week of Oct. 11. They were 2-2, bringing their overall record to a formidable 8-2. MIT lost the first two matches to Smith College and Brandeis University, but were determined to get a win and were victorious against Middlebury and Wheaton 6-3 and 4-2, respectively.

Frederica Turner '95 turned in a stalwart performance against Smith, losing 3-6, 2-6. Captain Valerie Tan '94 played a vigorous match but was respectably overcome, 5-7, 1-6. Carol Matsuzaki '95 showed true dominance as she took a 6-4, 6-1 win. Patience served well for Hana Ohkawa '94, as she decimated her opponent 6-2, 6-2.

In doubles, Janet Chen '94 and Nicole Mitchell '94 were solid as a rock and won 6-1, 6-4. Monica Gupta '94 and Miranda Fan '95 suffered a respectable loss, 6-7, 1-6. The team of Ohkawa and Matsuzaki played the heartbreaker-tiebreaker to determine the winner of their match. Although they showed tremendous excitement and near-psychic teamwork, they were overcome, 4-8, by an excellent Smith doubles team in a spectacular showdown, giving Smith the overall 4-3 victory.

At Brandeis, MIT put in yet another valiant but losing effort, bowing to Brandeis 2-4. Turner took a tough loss, 3-6, 1-6, while Tan gave a gallant performance, losing 4-6, 2-6. Matsuzaki took a heartbreaking loss, 4-6, 4-6. Seetha Ramnath '96 lost a tough match, 2-6, 3-6.

Both MIT doubles teams of Ohkawa and Chen and Mitchell and Fan gave stellar performances as they were victorious 6-2, 6-2, and 7-5, 6-1, respectively.

On Oct. 16, MIT dominated the

day, thanks to the genius coaching of Candy Royer and excellent support of Claudia Hung '93 and Elliot Schwartz G, as the team pulverized Middlebury and Wheaton 6-3 and 4-2, respectively.

Although the doubles team of Ohkawa and Matsuzaki lost 0-8 to Middlebury, Turner and Tan, and Mitchell and Chen claimed dominant victories, 8-3 and 8-4, respectively.

In singles play, MIT showed the meaning of true toughness as Tan, Matsuzaki and Ohkawa all won grueling come-from-behind three-set matches. Tan never gave up and won 4-6, 7-6 (3), 6-1. Matsuzaki struggled in the first set, but never looked back and won 6-7 (4), 6-3, 6-4. Ohkawa picked herself up and was victorious 1-6, 7-6 (5), 6-3. Chen bulldozed her opponent 6-1, 6-1. Turner came up short on a noble effort, 2-6, 5-7, while Ramnath put up a tenacious battle but lost 1-6, 5-7. In exhibition singles, Staci Jenkins '97 took a gutsy defeat 2-6, 1-6.

Against Wheaton, MIT showed its superiority by claiming three of the four singles and one of the two doubles matches. Matsuzaki crushed her opponent 6-1, 6-1, while Chen showed true eminence yet again by taking a 6-0, 6-1 win. Ohkawa was involved in quite a clash, but managed to capture a win, 6-3, 5-7, 6-1. Mitchell and Lily Koo '97 played brilliantly and took a 6-4, 6-4 win.

MIT will play Brandeis and Smith again in the New England Women's 8 tournament and hopes to repeat history by becoming the champions again. But prior to that, the women hope to put in tough, energetic performances at the New England Women's Intercollegiate Tennis Tournament starting Oct. 22 to be held at Amherst College.

## TOP TEN MOST CLUELESS PEOPLE ON EARTH

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

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# Field Hockey Flails Dartmouth, 3-0

By Koichi Kunitake  
STAFF REPORTER

The women's field hockey team shut out the UMass-Dartmouth Corsairs last Tuesday on Jack Barry Field. Mary Beth Richards '94 scored all three goals in a game in which the Engineers consistently kept the Corsairs on the defensive.

Richards scored the first goal with 31 minutes, 13 seconds remaining in the first half on an assist from Katherine Merrilees '97. On the first hat trick of the year, Merrilees passed the ball to Kathy Mangion '95, who sent it to Richards. Richards then

slammed it into the goal to make the score 2-0, with 4:33 left in the half.

For the next 38 minutes, both teams played a very defensive game, with the assistance of three saves by goalie Meg Golden '97. Neither side scored until, with 1:25 left in the second half, Richards slammed in an unassisted goal, making the score 3-0.

Head coach Cheryl Silva said, "We have three more games this week, and this was a great way to start off the year." The Engineers' record is now 9-4.

# Concern for Defense Hampers Soccer Team

Soccer, from Page 20

She continued, "I was disappointed in the second half. We played too cautiously and defensively — never gave ourselves a chance for a shot on goal. We were too concerned with passing and didn't give ourselves any

scoring opportunities."

The game versus Clark College will be the team's final home game for the season. "We have a tough game Friday versus Clark to start homecoming weekend and welcome any of our fans that will come and see us play," Rowe said.

# Sailing Finishes 3rd in Smith

By Elaine Heal  
TEAM MEMBER

This past weekend the women's sailing team traveled to Yale to compete in a women's intersectional. Danielle Ames '96, Patricia Schmidt '96, Elaine Heal '95 and Iliana Fugmori '95 sailed against sixteen other top schools from all over the country.

This year's Smith Trophy, the largest intercollegiate regatta in the country, was held Sunday, Oct. 17 at

MIT, and twenty-two schools battled it out. The MIT team of Rich Downey '94, Anna Chwang '95, Dan Nester '96, and Jonas Sylvester '96 tied for third, an outstanding finish against so many competitive teams.

Also on the Charles Saturday was an invitational at Harvard University and the Boston University Trophy. Both of these occurred in light and shifty winds, but the team, consisting of Dan Nester '96, Vane Vaneman '97, Freddy Santos '96, and Jonas

Sylvester '96, pulled off a second place finish at Harvard. Meanwhile at BU Al Sivilan '95, Heather Campbell '96, Doug DeCouto '97, and Lisa Collins '97 finished sixth.

On Sunday the varsity squad headed for Dartmouth College to sail in the John Wood Trophy. The team of Doug DeCouto '97, Lisa Collins '97, Al Sivilan '95, Heather Campbell '95, Adam London '95, John Feland '94, Jeff Brock '97, and Alan Au '97 finished fifth.

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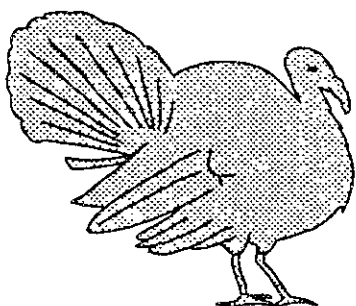
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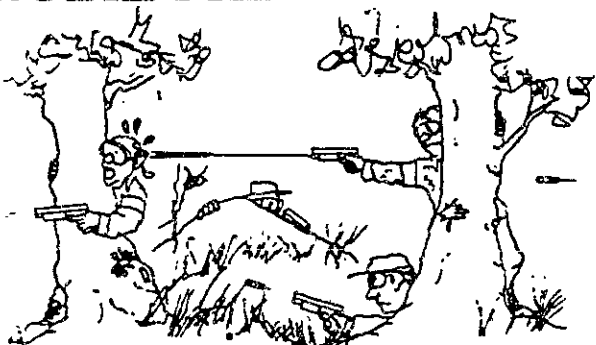
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## SPORTS

# Homecoming Festivities to Focus On Football, Scholar-Athletes

By Ann Ames  
SPORTS EDITOR

MIT will hold formal homecoming festivities this weekend for the first time in its history. Although there has been a homecoming game as long as there has been a football team, this is the first time people outside the athletic department have become involved.

In keeping with tradition, the focus of the weekend is a football game to be held at 1:00 p.m. in Steinbrenner Stadium. It will be broadcast by *Tech* sports columnists Mike Duffy G and Andrew Heitner G on WMBR. Coverage will begin with pre-game analysis at 12:45 p.m., and will include interviews with some of the honorees.

Many athletic teams other than the football team will also be competing this weekend, beginning with a golf tournament on Friday afternoon and ending with a women's sailing intercollegiate on Sunday morning. Coincidentally, this is the

weekend of the Head of the Charles Regatta, an occurrence unknown to the planners of homecoming when they began their task.

The theme of the event is "Mind and Muscle: MIT Celebrates Student Athletes." Past recipients of the GTE Academic All-American award or NCAA post-graduate scholarships have been invited back to campus to receive recognition for their outstanding achievements. As a result of the invitation, twenty-three scholars will return to participate in the event. "I'm very excited. We've had a great response," said Theresa Joyce, homecoming coordinator in the Alumni Office.

The honors ceremony will take place during halftime of the football game, when melodies of praise provided by the MIT marching band will usher returning athletes onto the center of the field. Master of Ceremonies Howard Johnson, former president of MIT, will introduce each honoree and say a few words

about athletics at the Institute.

Dwight Smith, head coach of the football team, feels that the homecoming theme "sums up what we're all about. It's appropriate to recognize scholar-athletes at a place like MIT." He hopes that the excitement of the weekend will spur renewed interest in the MIT athletic department.

Although the response from alumni in general has been less than promising, Joyce hopes this is simply because there was no formal response required of them. "The only thing they could do in advance was buy tickets to the barbecue. Since it's so inexpensive, it wasn't much incentive for people to reply," she said.

For those of the MIT community interested in mingling with alumni, Phi Gamma Delta has organized a barbecue next to the Howard Johnson Athletic Center. There will also be a post-game reception in the lobby of Kresge Auditorium.

## Football Downs Curry Colonels

By Nolan Duffin  
TEAM MEMBER

In case you have not noticed, and judging by the attendance you haven't, the MIT football team has managed to win a few games and are in second place in the Eastern Collegiate Football Conference with a 3-1 record (3-2 overall). The team's most recent victory came last weekend against the scrappy Curry College Colonels, by a final score of 23-16.

The main offensive thrust came from freshman phenom Jose Deleon '97, who scored all three touchdowns in the game, rushing for 207 yards on 29 carries. He also returned two kickoffs for 47 yards, and had two receptions for two yards, giving him 256 all-purpose yards. For his efforts, Deleon was named the ECFC offensive player of the week and was the New England Football Writers' Gold Helmet Award winner.

Other offensive standouts were Chris Brown '96 who had 47 yards on ten carries and Chris Barron '96 who chipped in with 57 yards on 12 carries. The offensive line, known

affectionately as the "Hogs," opened running lanes all day for the backs.

The line is anchored by Jeremy Pitcock '94, John Duran '94, Nick Bollweg '95, Corey Foster '95, Neil Best '95, and Joel Donnelly '97. Quarterback John Hur '94 directed the offense driving the ball all day against a respectable Curry defense. Dan McGahn '94 kicked a field goal and added two extra points for the final tally.

The defense was tested all day by Curry's run-and-shoot offense which put up 30 passes for the game, of which three were intercepted, two by Micky Williams '94 and one by Dave Hwang '94. Williams also added nine tackles and two pass break-ups.

Linebacker Nolan Duffin '94 led the defense with 16 tackles, four for a loss. Linebacker Matthew Robinson '94 had 10 tackles and cornerback Calvin Newman '96 chipped in with nine tackles and two pass break-ups.

The defensive line, led by Andy Phelps '95, Kevin Ferrigno '96,

Chris Yanney '97, and J.P. Olynky '94 spent the day running through Curry's sieve-like offensive line. Linebackers John Niforatos '97 and Andy Carnell '95 also contributed.

For the season, the MIT defense is ranked second in the conference for total yards allowed, first against the pass, and second in scoring defense. Individually, Deleon is the top running back in the conference, averaging over 126 yards per game, and is ranked second in scoring at 8.4 points per game. Newman is ranked second in kickoff returns at 20.2 yards per return and tied for second in interceptions per game with 0.6. Duffin also has 0.6 interception per game and is second in the conference with 10.2 tackles per game.

The Beavers, under Coach Dwight Smith, may find themselves in the position of playing in the conference championship game against Bentley College, provided that they win Saturday's game against Nichols College.

## Women's Soccer Ends with 2-2 Tie

By Thomas Kettler  
STAFF REPORTER

The women's soccer team finished its league season Wednesday with a tie against the Brandeis University Judges by a score of 2-2 at Steinbrenner Stadium. The team's overall record is now 9-2-2 with a final league record of 2-2-2.

In the first half, MIT kept the ball on the Judges half of the field and scored its only two goals of the match. It started in the first minute when Chantal Wright '95 scored her ninth goal. Eighteen minutes later, Becky Hill '95 scored her 18th goal of the season. However in the final minute, Kristen Woodcock scored for Brandeis.

In the second half, the Judges kept the Engineers on their toes as they consistently kept the ball on the MIT half of the field. However, they could only muster one goal as Cheryl Walker scored for Brandeis in the eighth minute of the half. As a result, the game went into overtime.

In both overtime periods, neither MIT nor Brandeis could mount an effective attack as neither one scored on the opportunities they had. Thus, the game ended in a tie.

Head coach Suzan Rowe commented, "I think we played very tough and competent in the first half. We played our game with a two minute let up in the first half. Brandeis is a very good team and you can't let up."

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## Women Harriers End Meet Season at 5-1

By Agnieszka Reiss  
TEAM MEMBER

The women's cross country team finished their small meet season with a 5-1 record. The team's first loss came on Oct. 16 when the Engineers were overpowered 43-17 by third ranked Bowdoin College.

The race began very quickly, with MIT's top runners trying to keep up with Bowdoin. By the finish, however, Marjie Delo '95 was the only one able to crack their top seven. Delo finished fourth with a personal best time of 19 minutes, 1 second.

Bridget Banas '95 and Agnieszka Reiss '95 finished ninth and 11th in 19:48 and 20:02 respectively. Lauren Klatsky '97 came in 16th in 20:19, and Adrienne Prahl '97 finished a minute later in 17th. Kristin Persons '95 and AnneMarie McAn-

inch '96 completed MIT's varsity team, finishing 19th and 20th.

The highlight of the meet came about halfway through the race, where the course passed through a field of cows. Unaccustomed to runners in their midst, the cows became frightened, and broke into a run just as McAninch passed them.

Despite a sound beating, the MIT team was happy with the meet. They all had run well, but there was no beating Bowdoin, whose first two runners finished the 5-kilometer course in 18:07 and 18:08. A fast course, superior competition, and, perhaps, being chased by cows, helped MIT post excellent times. Coach Joe Sousa was more encouraged than discouraged by the loss. In all, the meet was good preparation for the upcoming championships, he said.

## Crew Dominates in N.H. Championship Regatta

By Brad Lichtenstein  
TEAM MEMBER

The men's varsity heavyweight crew team rowed five boats in the New Hampshire Championship Regatta in Hooksett, N.H. on Saturday. The five boats in these races were the same as this weekend's finalized Head of the Charles boatings.

The two open eights placed first and fifth with times of 17 minutes, 26 seconds and 18:30 over the three-mile course. Neeraj Gupta '94, the first eight's coxswain, said, "Once again this year we didn't have much competition. Once we broke away from the

pack, we just tried for more open water."

The three open fours placed first, second, and fifth with medalling times of 19:46.9 and 20:01.9. Eric Martin '94, stroke of the second place four, said, "It's too bad we didn't have the grad students' four closer to us in the lineup. They would have pushed us to be faster, and maybe we could have beaten the course record we set last year."

The MIT men's varsity heavyweight crew team is entering six boats in the Head of the Charles Regatta on Sunday. There will be two club fours, one club eight, two

championship fours, and one championship eight.

The first club four, rowing at 8:35 a.m., is rowed by Umit Kumcuoglu '94, Steve Carbone '95, Mark Carlin '96, and Martin Lewis '95.

The club eight, rowing at 9:15 a.m., is rowed by Matt Drake '94, Hans Liemke '94, Dennis Burianek '96, Rick McKern '95, Soycan Soyucayli '95, Tim Theiss '96, Mike Schlosser '94, Franz Busse '95, and is coxed by Jason Wertheim '96.

The championship four, rowing at 2:55 p.m., is rowed by Chris Putnam '96, Brad

Lichtenstein '95, Robert Morrison '96, and Eric Martin '94, and is coxed by Conan Hom '95.

The grad students' champ four is rowed by Geoff Parker G, Chris Kamper G, John Paynich G, Martin Muendel G, and is coxed by Ted Washburn G.

The championship eight, rowing at 4:00 p.m., is rowed by Jon Singer '95, Guillermo Peschard '94, Sean Olson '93, Adam Cotner '96, Toby Ayer '96, Nate Crosswhite '95, Jeff Tomasi '95, Loren Theiss '94, and is coxed by Neeraj Gupta '94.

## UPCOMING HOME EVENTS

### Homecoming Weekend

#### Friday, October 22

Golf vs. Northeastern and WPI at Crystal, 1:15 p.m.  
Women's Varsity Soccer vs. Clark University, 3 p.m.

#### Saturday, October 23

Rifle vs. Virginia Military Institute, 9 a.m.  
Women's Sailing: Women's 3 Division Intercollegiate, 9:30 a.m.  
Men's Varsity Soccer vs. Clark University, 10 a.m.  
Men's Cross Country: Constitution Athletic Conference, 11 a.m.  
Field Hockey vs. WPI, 11 a.m.  
Football vs. Nichols College, 1 p.m.

#### Sunday, October 24

Women's Sailing: Women's 3 Division Intercollegiate, 9:30 a.m.

## Watch Out for *Let's Argue* Broadcast

By Mike Duffy  
and Andrew Heitner  
SPORTS COLUMNISTS

Believe it or not, MIT will be hosting its first ever Homecoming football game on Saturday afternoon, and your humble scribes will be there to cover all the bonecrushing action. We'll be broadcasting the game on WMBR radio (88.1), first on your FM dial. Come join us and all your favorite WMBR radio personalities at 11 a.m. in the Bar-B-Q pits for the pre-game tailgating festivities. We'll then be perched in the luxury press box high atop Steinbrenner Stadium for the on-air

pregame show at 12:45, with kickoff at 1:03 p.m.. Hopefully, the Hibachi that we bring along to grill the T-bones won't smoke out the rest of the press corps in attendance.

At halftime, MIT will be saluting its scholar athletes who have achieved academic All-America status, and winner Portia Lewis will join us in the booth following the ceremonies. Other surprise guests for the broadcast will include Antonio "Mondongo" Morales '95 and athletic sensation Dionne "Prime Time" Chapman '94. Many of our faithful readers have already informed us that they will be wear-

ing rainbow wigs and carrying big foamy "Number 1" hands to the game, so get your tickets early if you don't want to be in the same section as those yahoos.

Speaking of jamokes running rampant in the crowd at sporting events, if you want to shoot the breeze with 500 or so felons, just show up in Chicago Stadium on Wednesday (as though just getting to the Stadium was not already dangerous enough). In a promotional event with worthy intentions, the Bulls are playing host to the first

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