



Russell Sammon '98 jostles for the ball with an opponent in MIT's 19-6 win over Curry College.

JIRI SCHINDLER—THE TECH

IS Increases Student Athena Disk Quotas

By Dan McGuire
ASSOCIATE NEWS EDITOR

The size of students' Athena disk quotas was increased from 10 megabytes to 12.5 megabytes early Tuesday morning. The last time space was increased was in August 1994 when the quota was doubled from five to 10 megabytes.

The increase was made by Distributed Computing and Network Services, a division of Information Systems.

Students' disk space "always gradually increases," said Director of Academic Computing Gregory A. Jackson.

The periodic replacement of older servers with larger, more powerful ones gradually increased the amount of online storage that the Institute has available for students, Jackson said.

"It has been common practice to periodically increase the default user quota to try to keep in step with current demands," said Systems Programmer Matthew H. Braun '93, team leader of Athena Server Operations.

Use of applications like Framemaker and the popularity of the World-Wide Web have greatly increased the amount of data storage that students need, Braun said.

While IS hopes to implement "smaller quota increases more frequently," the next increase has not yet been scheduled, meaning another increase will not likely come before the end of the term, Braun said.

In order to implement the quota increase, 30 gigabytes has been added to the Athena AFS Cell, leaving

Athena, Page 19

MIT Team Places First In Design Competition

By Kwong H. Yung
STAFF REPORTER

For the third consecutive year, an MIT team placed first in the annual Tau Beta Pi District Design Competition, hosted by the University of Massachusetts at Lowell last Saturday. UMass Lowell shared first place with MIT.

Salman Khan '98, Michael Guidry '98, Praveen Ghanta '99, and Narendra Maheshri '99 competed in the one-day-long engineering competition, which is open to college freshmen and sophomores.

This year, MIT competed with teams from Norwich University, the University of New Hampshire, the University of Maine, UMass Lowell, the University of Massachusetts at Amherst, and Boston University. Tau Beta Pi is an engineering honors society.

Students this year were presented

with a design problem involving an oil spill onto the coast of Maine and were asked to minimize the environmental damage caused by the spill.

"We were given a list of resources such as helicopters, tugboats, and oil skimmers with which to combat the spill, some of which were located in Portland, Maine, and others in Boston," Guidry said.

In addition, the leaking oil tanker could not be moved until it was repaired; matters were further complicated by an impending storm alert, Guidry said.

"Using what we felt were reasonable engineering approximations, we found that the spill could be completely contained in an 18-hour period," Guidry said.

The team concluded that even if the incoming storm damaged the

TBP, Page 17

Morfopoulos Elected GSC President; Plans to Lobby for Graduate Housing

By David D. Hsu
NEWS EDITOR

The Graduate Student Council elected Constantine A. Morfopoulos G as president on Tuesday in its only contested election this year.

Maria Ehsan G was elected vice president, while Eva Moy G and Lawrence D. Barrett G were elected secretary and treasurer, respectively.

In the presidential election, Morfopoulos ran against Andrew Rhomberg G. Both candidates gave five minute speeches followed by questions from the council.

Rhomberg viewed representation as an important part of the GSC. There needs to be a "broader contribution from students in activities and decisions," he said.

Morfopoulos plans to increase participation in the GSC and improve graduate student quality of life.

"The mission of GSC is to improve graduate student quality of life," Morfopoulos said. As president, he would be committed to that purpose.

Housing is one of the issues important to graduate students, Morfopoulos said. "The GSC should lobby and fight to keep graduate student housing on campus," he said.

Morfopoulos hopes to continue the GSC's good working relationship with the administration, he said. That way, in a "crisis situation," the GSC can easily approach the deans, he said.

As a way to "get people out of their labs," Morfopoulos would sponsor workshops with graduate department representatives, he said. In this way, the GSC can better understand student concerns and enhance graduate cooperation.

In order to service graduates, the GSC could create a World-Wide Web page that would consolidate events of interests to graduate students, Morfopoulos said.

Morfopoulos has served as a GSC representative of the Department of Civil and Environmental Engineering and chair of the social committee for Ashdown House.

More representation desired

Ehsan, the vice presidential candidate, did not attend the GSC election meeting because of a last-minute job interview.

According to her statement of purpose, Ehsan "will work hard to ensure that more departments are represented at GSC meetings and that more students are informed of our activities."

GSC, Page 15

Spring Ahead!

Daylight savings time begins Sunday at 2 a.m. Don't forget to set your clocks one hour ahead before you go to sleep Saturday night.

INSIDE

■ Comet Hyakutake and a lunar eclipse delight patient star watchers in past two weeks. *Page 11*

■ Photographs take the wraps off transformation of Berlin's Reichstag. *Page 7*

■ Jawbreaker is a band with an eclectic bunch of musicians. *Page 9*

Train Club Switches Homes

By May K. Tse
STAFF REPORTER

After one last open house tomorrow, the Tech Model Railroad Club will be saying goodbye to its long-time home in Building 20 as it prepares to move its 1000 feet of track to firmer ground.

"We're planning to move because the Institute is planning to tear down building 20 within a couple of years," said Daniel M. Silevitch '96, the club's co-governor.

The club will likely be setting up again in the MIT Museum building (Building N52). Most of the club's current layout — the 600 square-foot so-called Tech Nickel Plate line, which has 200 track switches and bridges two model cities — will be taken apart. Members will build a new model at the new site.

The move is the first one in a long time for the club, which has been in Building 20 since 1948, two years after it was founded. This last open house will last from 10 a.m. to 10 p.m. and will be held in Room 20E-214.

As the name implies, the model railroad club focuses on building and running model railroads. Members design control systems, plan

track layout to making scenery, and paint cabs and cars.

The club has about 20 active members, and usually meets every Saturday afternoon and into the evening.

"Approximately half of these are alumni members, some of whom have been in the club for over 30 years," Silevitch said. "The other half is divided between students and guest members from the Boston area."

Club's goal is to have fun

Today, the club's goal is "to have fun," he said. "People do projects to see 'what if's' materialize," said Co-Governor Peter K. Lee '97.

"Because of the collective nature of the club, people are free to focus on the areas of modeling that they enjoy most, without having to worry about the other areas that are necessary to create a believable, functioning miniature world," Silevitch said.

Becoming a member of the club is easy, Silevitch said. "For people affiliated with MIT in any way, you need only show up and say that you want to join."



BRIAN VANDEN BOSCH—THE TECH

People take to the roof of Building 37 last week to view Comet Hyakutake. The brightest comet in 20 years, Hyakutake won't be back for 18,000 years. See story, page 11.

WORLD & NATION

Masses of Korean Students Protest

LOS ANGELES TIMES

SEOUL, SOUTH KOREA

Thousands of college students marched through Seoul Thursday in rapidly escalating mass student protests that for the first time are calling for the ouster of President Kim Young Sam.

The protests — triggered by the recent heart-attack death of a student demonstrator after he was beaten by riot police — could hardly come at a worse time for Kim, whose ruling New Korea Party is already expected to lose its parliamentary majority in crucial legislative elections next week. Kim has been president since 1993.

The sharp turn of campus sentiment against Kim — who in the 1980s was revered by college students as a leading fighter for democracy — is widely viewed as damaging to the ruling party, especially among younger voters. The party was already plagued by a corruption scandal that erupted several weeks ago.

Protesters rallied throughout the day Thursday at Yonsei University, around a coffin containing the body of Roh Soo Sok, 20. A huge sign by the main campus gate declared: "Before we bury Soo Sok, let's topple down Kim Young Sam, murderer and chief thief!"

Witness' Credibility Challenged

LOS ANGELES TIMES

LITTLE ROCK, ARK.

Defense attorneys charged Thursday that the government's key witness in the Whitewater affair has offered a number of differing accounts of a mid-1980s financial conspiracy that allegedly included President Clinton.

Sam Heuer, attorney for Clinton's former investment partner James B. McDougal, attacked the credibility of prosecution witness David L. Hale at the outset of cross-examination in the trial of McDougal, his ex-wife, Susan, and Arkansas Gov. Jim Guy Tucker.

But Heuer's emotionally charged cross-examination did little to ruffle Hale's studied composure. Hale strongly resisted the defense's insinuations that he had fabricated the alleged conspiracy in order to win leniency from Whitewater Independent Counsel Kenneth Starr.

"You're slick; you're good," Heuer finally conceded in frustration. "I've never cross-examined anyone as slick as you."

Nevertheless, Heuer succeeded in showing that some parts of the story told by Hale from the witness stand over the past three days were not identical to statements he had made in earlier interviews with the FBI and the press.

Court Upholds Teen Abortion Rule

LOS ANGELES TIMES

SAN FRANCISCO

A strongly divided California Supreme Court Thursday upheld a previously blocked state law that requires minors to obtain permission from a parent or a judge to have an abortion.

The 1987 law, never enforced because of lower court rulings, prohibits doctors from performing abortions on unmarried girls under the age of 18 without consent. Doctors who perform the abortions could be prosecuted for misdemeanors.

Justice Stanley Mosk, the court's most liberal member, wrote the majority 4-3 decision to uphold the law. Rejecting arguments by civil libertarians, physicians and women's groups, the majority held that the law does not violate state constitutional protections of privacy because minors have fewer legal rights than adults.

"This case is not about the morality of abortion," wrote Mosk. Minors, he said, "may not reasonably expect to have the unrestricted freedom of an adult to exercise" the choice to have an abortion without consent.

WEATHER

What Spring?

As T.S. Eliot wrote, "April is the cruellest month, breeding/ Lilacs out of the dead land, mixing/ Memory and desire..." Indeed, the memory of winter refusing to leave, and will mix with our desire for spring weather during the next several days, as we wait in vain for the warm weather to finally make its appearance.

Instead, cold air will remain over the Northeast and unsettled weather will take up residence overhead. A quick-moving clipper will brush by early today to the south of us, bringing clouds and only scattered, light precipitation. In its wake the winds will drift to the northeast, and raw, moist airmass will then predominate for most of the weekend. With cold air in place flurries cannot be ruled out inland, whilst bone-chilling drizzle is expected near the coast. Things are not likely to improve soon: By late Sunday a potentially significant storm may be gathering strength off Carolina Capes. Should this system continue to intensify, unseasonably cold temperatures will support a late-season snows along the East Coast by Monday into Tuesday.

Today: Mostly cloudy with some light sprinkles (flurries inland?) from Boston south and west. Quite chilly with high temperatures in low to mid 40s (5-7°C), moderate northerly winds gradually veering to northeast.

Tonight: Mostly cloudy and raw, with patchy fog and drizzle developing near the coast. Chance of flurries inland. Northeasterly winds continuing. Lows near 34°F (1°C)

Saturday: Cloudy and raw with onshore winds. Highs only in low 40s (5-6°C)

Sunday outlook: Continued cloudy and chilly, with precipitation redeveloping: rain along the coast, mixed inland. Highs near 40°F (5°C), lows in low 30s (0-1°C) near the coast, in the upper 20s (-3 to -1°C) elsewhere.

Unabomber Suspect Kaczynski Accused of Possessing Bombs

By William Claiborne

THE WASHINGTON POST

HELENA, MONT.

Surrounded by federal marshals, Theodore J. Kaczynski, a taciturn and bearded hermit identified by federal agents as the terrorist known as the Unabomber, was brought before a federal judge Thursday and charged with possessing components for a "destructive device."

The single felony charge made no mention of the Unabomber's 17-year string of bombing attacks that killed three people and injured 23 others. Federal officials said it was filed simply to hold Kaczynski, 53, while federal agents complete their search of the suspect's remote wilderness cabin 40 miles north of here.

Wearing orange prison garb and an enigmatic smile, the Harvard graduate and former Berkeley mathematics professor, who has lived in an isolated Montana cabin for more than two decades, said little more than "yes" and "no" to a series of procedural questions before being taken back to the local county jail to be held without bond.

In an affidavit filed after agents took Kaczynski into custody Wednesday and made a preliminary search of his cabin, FBI special agent Donald J. Sachtleben portrayed the residence as an elaborately equipped pipe bomb factory despite the structure's lack of plumbing and electricity.

The agent said that he found "chemicals and other materials that, in my opinion, are designed and intended for use in manufacturing a destructive device, namely a pipe bomb ... including what appears to

be a partially completed pipe bomb."

Sachtleben offered no opinion on whether the paper-wrapped pipe bomb had been manufactured before or after the Unabomber wrote his exhaustive 35,000-word "manifesto" that was published last September by The Washington Post and the New York Times after the Unabomber promised to stop planting bombs that kill people.

The FBI affidavit said agents found 10 binder notebooks that contained sketches and diagrams of electrical circuitry commonly used in building explosive devices as well as handwritten notes in English and Spanish that describe how chemical compounds can be used in making bombs. The agent said Kaczynski is able to write in Spanish.

Agents also found pipes capped at one end, containers with potassium chlorates, sodium chlorates, aluminum, lead and silver oxide — which are commonly used in making bombs — as well as aluminum ingots and metal filings "consistent with aluminum," which the affidavit said can be used as a catalyst in an explosive material.

"Based on my experience in the investigation of the use of destructive devices, my examination of the above-described materials ... it is my opinion that these components were designed to be, could be, and were intended to be readily assembled into a destructive device such as a pipe bomb," Sachtleben said.

Federal officials said outside the courtroom that the searchers also found two manual typewriters which are to be compared to typed

communications sent by the Unabomber over the years.

Federal agents continued to search the cabin Thursday, using X-ray equipment and other bomb-detecting devices both as a precaution against possible booby traps and to avoid contaminating evidence.

U.S. District Court Judge Charles C. Lovell asked Kaczynski whether he had read the five-page complaint and supporting affidavit filed by the FBI. "I'd like a few minutes to read it," a wan-looking Kaczynski, accompanied by his court-appointed public defender, told the judge and a courtroom packed with local spectators and reporters who descended on this town after news broke Wednesday of Kaczynski's arrest. After leaving through the document, Kaczynski told Lovell he had sufficiently examined it.

The single federal firearms count with which he has been charged carries a maximum prison sentence of 10 years. But in the past, a single count such as this has been used to buy time to build a bigger case, with more charges.

Kaczynski had been under FBI surveillance for about the last month after his younger brother, David, cleaning up his parents' house to sell it, discovered letters and other documents written by Theodore that seemed to resemble the Unabomber's writings. David then contacted federal authorities, through a Washington, D.C., lawyer. On Wednesday, law enforcement officials moved in on his primitive cabin, outside the hamlet of Lincoln.

Militia Members Threaten to Kill Officials Over 'Freemen' Standoff

By Louis Sahagun

LOS ANGELES TIMES

DENVER

While anti-government "Freemen" involved in a standoff with federal agents in Jordan, Mont., met with negotiators on Thursday, armed militia members were busy setting up base camps in the area, threatening to kill authorities if the incident ends in bloodshed.

One of those groups, the Ohio Unorganized Militia of Columbiana County — has set up operations at a cabin near Winnet, Mont., about 75 miles west of Jordan. The cabin is owned by Lyle Chamberlin, a Freeman and supporter of the estimated 20 people holed up at the 960-acre farm.

In a telephone interview from the cabin Wednesday night, Ohio militiaman Don Vos said: "There will not be another Waco that the government will survive." He was referring to the deadly 1993 confrontation at Waco, Texas, between federal agents and Branch Davidian cult members.

"Federal agents may have that Jordan farm blocked off," he said. "But if they shoot or burn the kids inside, they will never leave Montana."

Vos has conveyed similar statements to local law enforcement authorities.

"Vos told me that he was here to monitor the situation in Jordan and that if the FBI moved in and there was bloodshed, he would retaliate," said Fergus County Undersheriff Tom Killham.

"These guys are very disturbing," he added. "I'm worried about more Don Voses coming in here — and that one guy with a Saturday

night special who might crack off a round at somebody and start a real mess."

Given that April 19 is the anniversary of both the tragedy at Waco and the Oklahoma City bombing last year, authorities and residents in Montana are nervous about the arrival of these hard-core, anti-government contingents.

They also fear that threats of violence could upset the delicate negotiations between FBI agents and the Freeman at the farm, dubbed "Justus Township." FBI officials said this week that they are considering several people to act as mediators in the dispute.

On Thursday, four of the Freeman, sitting on folding chairs on a dirt road, met with negotiators for the first time in the 11-day standoff. The Freeman met for about 1½ hours with four negotiators at the edge of the compound. At least one of the negotiators was said to be a federal agent.

The standoff began March 25 when Freeman leaders LeRoy Schweitzer and Daniel Petersen Jr. were arrested at the farm in an undercover operation. They are charged in schemes involving fraudulent checks and money orders, as well as with threatening the life of a federal judge. Another member, Richard E. Clark, turned himself in Saturday. All three remain in custody, held without bail.

Authorities believe that three fugitives from North Carolina and two from Colorado with anti-government views similar to the Freeman remain holed up at the farm, with women and children.

Winnet residents say that Chamberlin and his wife, Gerry, this week expressed regrets about allowing the

militiamen to move into their cabin, which is about 20 miles from a major highway in a draw surrounded by high cliffs and reachable by one dirt road.

Gary Gershmel, who owns a general store, is among many who wish they would leave. The 400-square-mile Petroleum County, with less than one person per square mile, is patrolled by only two full-time deputies, Gershmel said.

"We don't need these people in Montana — they are the scary part of this thing now," Gershmel said. "We don't want to be the battleground of America, and we won't be if we are left alone."

Internal militia communiques obtained by the Los Angeles Times show that Vos is in daily contact with Norman Olson, commander of the Northern Michigan Regional Militia.

In one telecommunication, Olson praised Vos for establishing a "beachhead" and acting as "a forward observer for the militia in the Montana theater of operations."

Olson also advised: "Reinforcements are on the way. Present plans call for mobilization to continue throughout the next two weeks."

Both Vos and Olson dismissed the negative reaction they are getting from many Montana residents.

"People like Don Vos, myself and a host of others who might be called hard-line," Olson said Thursday, "represent the worst possible nightmare — the loosing of the dogs of war."

But without hard-liners, he added, cooler heads in the anti-federal government movement would lack the leverage to negotiate the Freeman's demands with federal authorities.

Remains of Passengers From Crash Removed from Croatian Mountain

By John Pomfret
and Blaine Harden
THE WASHINGTON POST

The remains of Secretary of Commerce Ronald H. Brown, a dozen American business executives and at least 20 other passengers were being carried Thursday off a storm-swept Croatian mountaintop where their military jet crashed and disintegrated on Wednesday, leaving no survivors.

Working near the Adriatic Sea amid another day of the driving rains and high winds that are believed to have contributed to the crash, American, Croatian and French soldiers collected bodies scattered across a rocky site that straddles a 2,300-foot peak called St. John's Hill.

The Air Force T-43A passenger plane carrying Brown, who was escorting business leaders on a mission to assess possible postwar reconstruction of Bosnia and Croatia, was badly off course at the coastal airport near the ancient port city of Dubrovnik, according to

Peter Galbraith, the U.S. ambassador to Croatia.

The aircraft, a military version of a Boeing 737 on a short flight from the Bosnian city of Tuzla, "was not where it should have been," Galbraith said. He told a news conference at the Dubrovnik airport that the plane "seems to have flown up not along the coast, but along a valley one ridge over."

The Dubrovnik airport, sandwiched between the sea and the jagged mountains of the Dalmatian Coast, lies in the most seaward of three parallel valleys that cut back northeastward into the mountains.

The airport has a radio system allowing instrument landings in bad weather, and five planes landed safely before the crash. But the airport lacks the more sophisticated and reliable landing devices that are common in U.S. airports.

"It's on a shelf — you have to hit it pretty right — and when there's low visibility, it can be dangerous," Galbraith said, adding that the weather at the time of the crash

was "the worst in a decade."

Croatian aviation experts said the two pilots, flying on instruments and unable to see the ground, at some point after their final approach for landing apparently shifted north into St. John's Hill rather than funneling into the most westerly valley that leads to the airport.

Radar on a NATO monitoring plane tracking the flight showed it started the 12-mile descent into the airport correctly. Asked why the plane might have steered north, experts familiar with the instruments on the plane speculated that it could have been pilot error or faulty equipment — all aggravated by gusty winds and possibly lightning.

The Air Force said the chief pilot, Capt. Ashley Davis, 35, and copilot, Capt. Timothy Schafer, 33, were experienced with the aircraft. Davis had been flying the plane out of its base in Ramstein, Germany. Schafer had arrived in Ramstein only four months ago but flew T-43As for several years in the early 1990s while stationed in California.

'Mad Cow' Disease May Have Caused Brain Infections, Say British Scientists

By David Brown
THE WASHINGTON POST

WASHINGTON

Ten recent British cases of a brain infection possibly transmitted by infected cattle are virtually identical to one another, and they appear to be a distinct outbreak, scientists reported Friday.

Normally the rare ailment, called Creutzfeldt-Jakob disease, strikes persons older than 60, but the new cases all occurred in people under the age of 45. They were also all diagnosed in a period of 10 months, with nine appearing between October 1995 and January 1996. In contrast, only 22 cases of CJD were found in Britons under the age of 45 in the 24 years preceding the recent outbreak, the researchers write in Saturday's edition of the *Lancet*, a European medical journal.

The victims, eight now dead, shared no unusual habits or exposures that the scientists have been able to discover so far. All, however, had eaten beef in the last decade.

An infection similar to CJD exists in cattle. Called bovine spongiform encephalopathy (BSE) or, popularly, "mad cow disease," the infection was found in 150,000 animals in 33,000 British herds between 1986 and 1995. The dis-

ease apparently entered cattle from feed containing bone meal and offal from sheep afflicted with another closely related infection, called scrapie.

When word of new CJD cases was released by British officials, there was suspicion that the infections came from consumption of beef or contact with beef products. The authors of the *Lancet* report do not discount this possibility.

"We believe that our observation of a previously unrecognized variant of CJD occurring, to date, only in persons under the age of 45 years is a cause for great concern," write Robert G. Will, of the national CJD surveillance unit, in Edinburgh, Scotland, and his colleagues.

Britain banned use of cattle carcasses in the preparation of cattle feed in 1988, and in 1989 banned the use of brains and several other cattle organs in food for human consumption. In addition, thousands of animals in BSE-infected herds were killed and incinerated to prevent spread of the disease. Over the last month, however, nearly every European country has banned imports of British beef. (Such a ban existed in the United States before the recent CJD outbreak.)

CJD afflicts about 1 in every

million people worldwide. Its peak incidence is about age 65. Three of the new cases were identified in teenagers, which is exceedingly rare. Cases of CJD transmitted unintentionally by brain extracts or contaminated medical instruments have revealed that often 10 years (and occasionally as much as 30 years) passes before an infection causes symptoms.

The disease typically affects movement, balance, cognition and emotion to varying degrees. Once they appear, the ailment has a downward and invariably fatal course. Brain tissue of CJD victims has a characteristic moth-eaten, spongy appearance when examined under the microscope.

The cases described in the *Lancet* included people between the age of 16 and 39 at the time of diagnosis. Six were women and four were men. They survived an average of 12 months between the onset of symptoms and death. Nine had behavioral changes early in the disease and were referred to psychiatrists. Nine also had ataxia, or unsteadiness of the limbs. One of the patients had been a strict vegetarian since 1991, suggesting that eating beef could not have been a recent source of infection.

Irish Republican Army Moves Forward in Its Terror Campaign to Drive British off Territory

By Bill Glauber
THE BALTIMORE SUN

LONDON

The Irish Republican Army quashed hopes of an early cease-fire in its terror campaign to drive the British out of Northern Ireland Thursday, a move that renewed security fears heading into the Easter holiday weekend.

Despite calling for a negotiated settlement to end the long conflict in Northern Ireland, the paramilitary group reaffirmed its "mandate for armed struggle" in a statement released in Dublin.

The statement was released before Sunday parades that commemorate a 1916 Irish uprising against Britain.

The IRA halted its 17-month cease-fire in February and has since targeted London with four bombs that have killed three and injured scores.

In provocative language, the statement maintained, "The IRA, whose mandate for armed struggle derives from Britain's denial of the fundamental right of the Irish peo-

ple to national self-determination and sovereignty, has made its position abundantly clear. We reaffirm that position.

"The IRA remains fully committed to its republican objectives and for so long as Britain persists in its denial of national and democratic rights in Ireland then the IRA will continue to assert those rights."

But another passage said the IRA "remains ready to help in developing the conditions which will allow for a meaningful negotiations process, free from preconditions of any kind."

The group lambasted the British government for refusing to give a seat to Sinn Fein, the IRA political wing, at June's scheduled party talks about a peace settlement. The British maintain the IRA cease-fire must be reimposed before Sinn Fein is allowed to participate in the talks.

Northern Ireland Secretary Sir Patrick Mayhew admitted Wednesday night that the prospects for peace would be "immeasurably improved" by the presence of Sinn Fein at talks.

Sinn Fein leader Gerry Adams

said the statement was "not all doom and gloom."

"The IRA is restating its position on what has happened to date," Adams told Irish Radio. But "it is taking a more positive attitude in terms of what is possible in the future."

John Hume, head of the Social Democratic and Labor Party, the dominant Roman Catholic and nationalist party in Northern Ireland, held out hope that the IRA would not return to violence.

"They say they're willing to help to create the conditions in which negotiations can take place," Hume said in a television interview. "I see that as a positive sign that it is still possible to restore the cease-fire."

But Protestant, who favor Northern Ireland's continued union with Britain, said the statement showed the IRA has not changed.

"They'll use any means to achieve their end," Peter Robinson, of the Democratic Unionist Party, told Britain's Sky News. "If they want to develop bombs and kill people, they'll do that."

Former Mayor Suffers Stroke

LOS ANGELES TIMES

LOS ANGELES

Former Los Angeles Mayor Tom Bradley was in serious condition late Thursday after suffering a stroke earlier in the day, leaving doctors concerned but cautiously hopeful about his chances of regaining the speech and movement lost in the episode.

Bradley suffered the seizure a day after undergoing successful triple-bypass heart surgery at Kaiser Permanente's Hollywood hospital. The five-term mayor has been hospitalized for the past two weeks, after suffering a heart attack as he returned after a business meeting.

"As to his prognosis, time will tell," said Fred Alexander, Bradley's lead doctor, at an afternoon news conference. "We don't like to speculate. We are hopeful that he will have a full return of function, but I cannot say that that will occur."

Early in the day, the 78-year-old Bradley lost all movement on his right side and was unable to speak. He initially responded "very poorly" to doctors commands.

Later in the day, Bradley seemed to recognize doctors and family members and was nodding in response to questions. He also regained some movement, wiggling his toes slightly.

Doctors speculated that a blood clot, perhaps originating in Bradley's heart, broke loose and became lodged in the left side of his brain.

Doctors said the bypass surgery itself had proven successful and that Bradley's blood pressure and heart rhythm were greatly improved following the operation. "He is very strong in that respect," Alexander said.

Scientists Discover Material That Behaves Unusually When Heated

NEWSDAY

In a surprising reversal of normal behavior, a new ceramic-like material, called zirconium tungstate, shrinks rather than expands when it's heated, scientists reported Thursday.

The new material could help scientists overcome serious problems in electronics, optics, metallurgy and ceramics, researchers said — including helping keep silicon chips from expanding, and eliminating distortions caused by temperature changes in very precise mirrors.

"If you can mix it with other materials, you could compensate" for their temperature-induced changes in size, said physicist Thomas Vogt, at the Brookhaven National Laboratory in New York. "You could end up with materials that don't show any changes in shape, which could be very important."

Vogt said the new compound "is the only material we know that has this unusual behavior over such a very, very long temperature range." The strange behavior occurs consistently over a temperature range of 2,000 degrees Fahrenheit.

Unlike other substances, zirconium tungstate also expands as it cools. And it keeps on expanding as temperatures get down to almost absolute zero, or minus 459 degrees F. Water also expands as it hardens into ice, but only at a very specific temperature.

The behavior of the zirconium tungstate is so strange and unprecedented, in fact, that Vogt said he "immediately checked my temperature controls" to be sure the measurements were correct.

"We got very close to the absolute zero point, and the stuff was still expanding," Vogt said.

The strange properties of zirconium tungstate were discovered by chemist Arthur Sleight's team at Oregon State University. Vogt was collaborating in the research, analyzing the material with a flood of neutrons from the laboratory's high flux beam reactor.

Sleight said researchers see it mainly as "being blended into polymer (plastic) composites to bring thermal expansion down to zero, or in (electronic) circuit boards to bring expansion down until it matches silicon."

Comet Hyakutake's Mysterious X-Rays Astonish Astronomers

THE WASHINGTON POST

WASHINGTON

Astonished astronomers have detected mysterious X-rays emanating from Comet Hyakutake as it sweeps past Earth toward the sun.

The first X-rays ever found coming from any comet, they are revealed in an image released Thursday by a team of U.S. and German astrophysicists using the German ROSAT satellite.

The discovery is surprising, the researchers said, because a comet is an icy ball of dirt, whereas X-rays — one of the most energetic forms of electromagnetic radiation — are most often associated with gases heated to a million degrees or more, such as flares on the sun, or with violent interactions involving subatomic particles.

"We had no clear expectation that comets shine in X-rays," said Michael J. Mumma, of NASA's Goddard Space Flight Center in Greenbelt, Md., a member of the international team that announced the finding Thursday. "Now we have our work cut out for us in explaining these data. But that's the kind of problem you love to have."

The team used the orbiting ROSAT — an X-ray observatory — to observe the comet repeatedly over a total of six hours, between March 26 and March 28. The image released Thursday was taken March 27, as the comet passed within 10 million miles of Earth.

Team leader Carey Lisse of Goddard and the University of Maryland said he considered the comet's close pass an opportunity too good to miss, even though he expected to find only low levels of X-ray emissions at best.

As it turned out, he said, the X-ray signal was about 100 times brighter than even his most optimistic calculations had predicted, and it fluctuated wildly within a few hours. "I was absolutely elated," he said. "This is something brand new. ... We'll be working on this for years."

"The whole thing was done on a lark, said Robert Petre, the United States' lead scientist for the ROSAT satellite. "Once we had the enormous signal, we had to go back and scratch our heads."

In the image, the X-rays appear to emanate from a crescent-shaped area of the coma, or halo, a vast sphere of gas and debris that surrounds the comet's tiny nucleus. The crescent is on the side of the halo that is pointed toward the sun.

OPINION

Letters To The Editor

Golub Letter Wrongly Defamed U.S. Military

I must say that I was startled and to a degree offended by the letter by Aaron Golub G wrote to *The Tech* ["ROTC Is Anything But Right for MIT," April 2] in which he slanders the U.S. military with what I feel are some outrageous accusations. Golub makes perhaps his most offensive statement early in his letter as he brands our military as "the world's foremost terrorist organization." He further states that our military has caused "more pain and suffering... than any other single organization." The offense I take at these statements is twofold.

First, Golub's descriptions of the U.S. military as a terrorist organization strike me not only as being overblown and ludicrous, but as defaming the many good men who have died in service of our country in order to defend

not only our freedom, but the freedom of other people of the world. I do not claim that the record of our military is spotless; there are events that will perhaps always be debated, such as the Mexican-American war and Vietnam. However, I think it is clear to most reasonably informed people that our military has bravely and consistently fought against oppression and for freedom from the days of the American Revolution to the Second World War, the Cold War, and today.

Second, perhaps Golub's greatest offense is not in defaming our military, but in glossing over and ignoring the many atrocities of recent world history by placing the U.S. military as the chief terrorist force and cause of pain in the world. I find it deeply disturbing for Golub to claim that our military, which many of my relatives have served in, has done worse than the Irish Republican Army, the Nazis, Hamas, and other perpetrators of

unprovoked mass murder of innocents. I hope Golub realizes the great injustice he has done to the memory of the innocent people slaughtered by these many truly oppressive organizations. By placing as a greater evil the very organization that has often fought against these oppressors, namely the U.S. military, Golub spits in the face of general human decency and compassion.

The issues I mention here deal with only part of Golub's letter, but the rest of his tirade is filled with several similar, if not as starkly offensive, exaggerations and half-truths. It is my hope that perhaps Golub does not take himself seriously, and that he intended only to somehow jump-start debate, but nevertheless I feel he has made remarks that are uninformed, insensitive, and wholly uncharacteristic of the type of dialogue and thought that MIT needs today.

David S. Kelman '99



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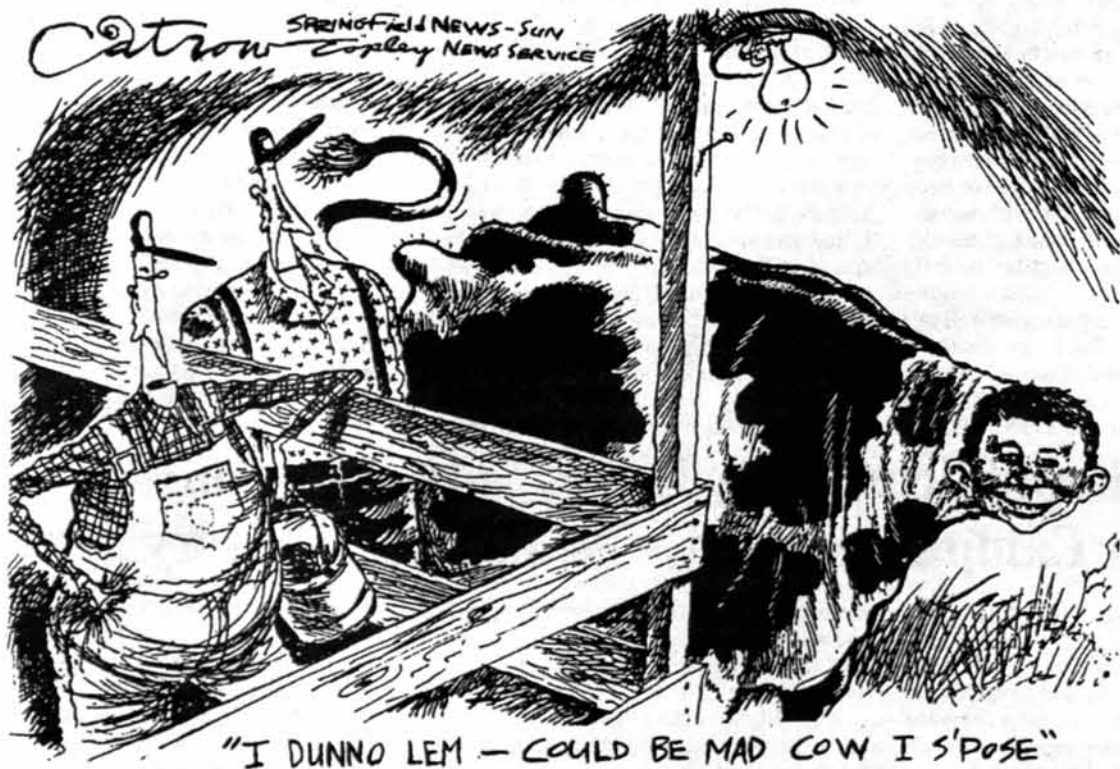
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Dissents, marked as such and printed in a distinctive format, are the opinions of the signed members of the editorial board choosing to publish their disagreement with the editorial.

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

Letters to the editor are welcome. They must be typed, double-spaced and addressed to *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029, or by interdepartmental mail to Room W20-483. Electronic submissions in plain text format may be mailed to letters@the-tech.mit.edu. All submissions are due by 4:30 p.m. two days before the date of publication.

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

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Off Course



By H. Ayala



LSC

April
5-7, 1996



Friday
7 & 10pm
26-100

Friday Classic
To Kill A Mockingbird

with Gregory Peck

6:30

10-250



TOY STORY

Saturday
3, 7 & 10pm
26-100



Sally Field Dolly Parton Shirley Maclaine Daryl Hannah Olympia Dukakis Julia Roberts

Steel Magnolias

Sunday
7 & 10pm

26-100

<http://web.mit.edu/lsc/www>

Admission is \$2 with MIT/WC ID

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THE ARTS

CAMPUS pick

By Craig K. Chang

Photographs take the wraps off Berlin's transformation

BERLIN FACADES

Photographs by Camila Chaves Cortes.
Rotch Library.

Berlin has remained a city of dynamic symbolism, torn and remodeled by the imminence and actuality of overthrow. Now capital of a united Germany, Berlin of the 90s looks back at the burning of the Reichstag by the Nazis in 1933 and the recent fall of the Wall with both regret and anxiety. The gates of the once divided city have dropped and by 2000, more than 47 percent of the city will have completely changed.

Camila Chaves Cortes, a research fellow in the Department of Urban Studies and Planning, spent last summer in Berlin capturing the images of a city under virtual reconstruction. From over 2000 negatives she compiled a set of photographs that are now featured in Berlin Facades, an exhibit that has been on display for some time in Rotch Library. These photos deserve immediate attention before June, for much of the exhibit has already been dismantled, and the rest will be gone completely near then.

It is almost easy to miss Cortes' series of black and white photographs. Unlabeled and cleanly framed, they match the library's sleek architecture. But in the proper context, Cortes' eye for geometric shapes and spatial organization reveals the various layers of Berlin's constantly evolving face.

Modern Berlin as depicted by Cortes is much more complex than the East-West

division introduced by the Wall in 1961. In several photos, industrial cranes appear as curtains to historical monuments. In an intriguing photo called "The German Dome," Cortes puts great care into framing the Humboldt University of Berlin, the Nikolai dome, and the Television Tower together, and thus emphasizes the interface of past and present.

On the column besides the circulation desk is a vertical montage called "Architectural Progress." From top to bottom, this work creates the illusion of traveling time by stitching together the traditional and modern aspects of Berlin architecture. Other pictures express the merging of culture, where media icons like Marlene Dietrich juxtapose vestiges of Berlin's Nazi past.

Much of the remaining exhibit focuses on the wrapping of the Reichstag parliamentary building last summer. Christo, the same controversial artist who lined California and Japan with umbrellas, chose to wrap the building with a silver metallic cloth. Yet, he and his wife Jean Claude are not the only ones responsible for the dressing of this political center (the Bundestag plans to move in soon). Sparkling and flapping in the wind, the sensual wrapping was authorized by the government and its people. Accord-



GABOR CSANYI—THE TECH

A Rotch Library visitor examines photographs of Berlin by Camila Chaves Cortes.

ing to Christo, the wrapping is about freedom. In addition to bringing millions of visitors and various festivities, the wrapping signifies that Berlin and Germany are willing to don a new identity, whatever it may be.

Visitors may check out Legend of the Reichstag, a short video by Cortes, at the circulation desk.

The video together with a slow, steady walk past the photos makes for an informative break.

Simply having one on hand won't do any good.

For a latex condom to be effective against AIDS, you've got to put it on the correct appendage. Use a condom. Barring abstinence, it's the best way to prevent AIDS. For more information about HIV and AIDS, call the AIDS Action Committee Hotline at 1-800-235-2331.

This space donated by The Tech

Department of
Civil and Environmental Engineering

Freshman Open House
Wednesday, April 10, 1996

11 AM to 1 PM
Stratton Student Center, 20 Chimneys

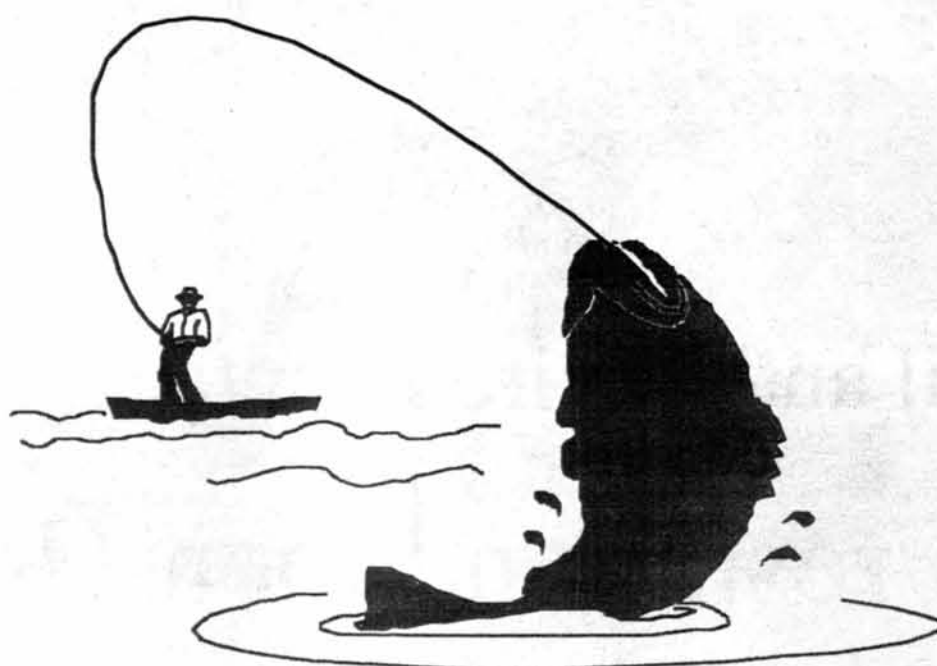
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Jim's Journal

by Jim



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got us hooked...*



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ROOM 5-314
FRIDAY, APRIL 12
3 TO 5 PM

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Fresh from album, Jawbreaker visits Middle East

JAWBREAKER

Dear You.
Geffen Records.
Concert at Middle East, Sat. 9 p.m.

By Joel M. Rosenberg
STAFF REPORTER

A hard candy. A machine used for crushing rocks. A word hard to pronounce. In 1989, a three piece then-indie band from NYU considered all of these. They settled on Jawbreaker.

They've been playing together since 1986. They certainly are an eclectic bunch of musicians: Drummer Adam Pfahler was a history

major, bassist Chris Bauermeister graduated in philosophy and literature, and Jawbreaker's singer, songwriter, and all around good guy Blake Schwarzenbach completed English Literature and creative writing requirements. It's fun to listen for their influence in the post-L.A. punk, pre-pop-rock sound.

Following a few years on separate coasts they finally settled down into the San Francisco area and developed a devout following, and took care of the fans along the way by playing plenty of all-ages and goodwill shows. If for nothing else, you have to admire these guys for that. They've played a few full U.S. tours, two European tours, and have released several albums,

including *Unfun* (Shredder 1990), *Bivouac* (Tupelo/Communion 1992), and *24 Hour Revenge Therapy* (Tupelo/Communion 1994).

The guys who opened for Nirvana during *In Utero* at the end of 1993 are now coming around for their newest album; this one may be a shock to many of their longtime fans. The surprise? After fighting the establishment for a while, and enduring their share of hardship and hospitalizations of different members of the group for various conditions, they signed with Geffen Records — a pretty big change. The new album, *Dear You*, is an attempt to apologize to the fans, to prove that they're still the same old band, only now with better

sound guys.

The album is pretty good — it is an edgy, hard kind of punk. They sound like they'd be good in concert, which works out well since they're going to be at the Middle East tomorrow night. For \$7, you get Jawbreaker, Fluf, and Serrpico. The show starts at 9 p.m., and you must be over 18. If you need something to do and you don't feel like crossing the bridge and leaving Cambridge, this is a decent bet. For more information, check out <http://www.geffen.com/jawbreaker/>. There's even a link to The Donkey and Mule Home Page, for the truly curious.

Not bad for hard candy.

ON THE SCREEN

— BY THE TECH ARTS STAFF —

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

★★★★½ Antonia's Line

A magnificently open-hearted feminist vision of a way the world could be if men were not always struggling to dominate it. This epic magical-realist story begins just after World War II and culminates the day after tomorrow. It's not some matriarchal never-never land, however — the roses in this paradise still hold thorns. As the seasons turn over, friends and lovers grow older and die, and those who are left behind have to mix some sadness with their satisfaction. But its vision is inspired, and it plants hope in our hearts that what has had to be separated in the past can be brought together again. — Stephen Brophy. *Kendall Square.*

★★★★½ The Birdcage

The American version of the French farce *La Cage aux Folles* succeeds on many levels, thanks in part to the ebullient performances of Robin Williams and Nathan Lane. Armand (Williams) is the owner and musical director of a nightclub in Miami's South Beach section, while his lover Albert (Lane) is the diva-in-drag who's the star performer at the club. The trouble starts when Armand's son (Dan Futterman) starts courting the daughter of a conservative U.S. Senator (Gene Hackman) whose election platform is steeped in "moral order" and "family values." By the time the film reaches its climactic, comic showdown between the two families, the message of "family" and the characters' foibles are so skillfully exploited that one overlooks the expected degrees of slapstick, even when resorting to gay stereotypes. Director Mike Nichols and screenwriter Elaine May have struck the appropriate comic and social chords for this film to be a witty, beguiling, and relevant film. —Scott C. Deskin. *Sony Cheri.*

★★★★ Dead Man Walking

Dead Man Walking, directed by Tim Robbins and starring Sean Penn and Susan Sarandon, addresses the death penalty issue unflinchingly and comprehensively. It follows convicted killer Matthew Poncelet (Penn) from the murders, through his several appeals, and finally to his execution in excruciating detail, escorted by his spiritual adviser, Sister Helen Prejean (Sarandon). Don't look to this movie for much action, adventure, or excitement. This emotionally brutal film challenges you to think about the issues surrounding the death penalty. You'll walk away from the theater with a profound sense of the tragedy that any murder is, whether it is committed by a person or by the government. And you will leave with a bitter sense of pity both for the original victims and the convicts on death row. —Audrey Wu. *Sony Nickelodeon.*

★★½ Executive Decision

Muslim terrorists hijack a passenger plane en route to Washington and demand money and the release of their spiritual leader. But

the pentagon soon learns the real plan: to crash the plane, loaded with a deadly nerve toxin, into the capitol, instantly killing himself and the rest of the passengers and sending a deadly plume of gas over much of the eastern seaboard. Enter Kurt Russell and Steven Segal, who must sneak aboard the plane to defuse the bomb. Although the ending is never in question, *Executive Decision* keeps us hooked from one climax to the next with surprising efficiency. —Yaron Koren. *Sony Cheri.*

★★½ Faithful

It's Margaret's (Cher) 20th wedding anniversary and her husband has hired a hit-

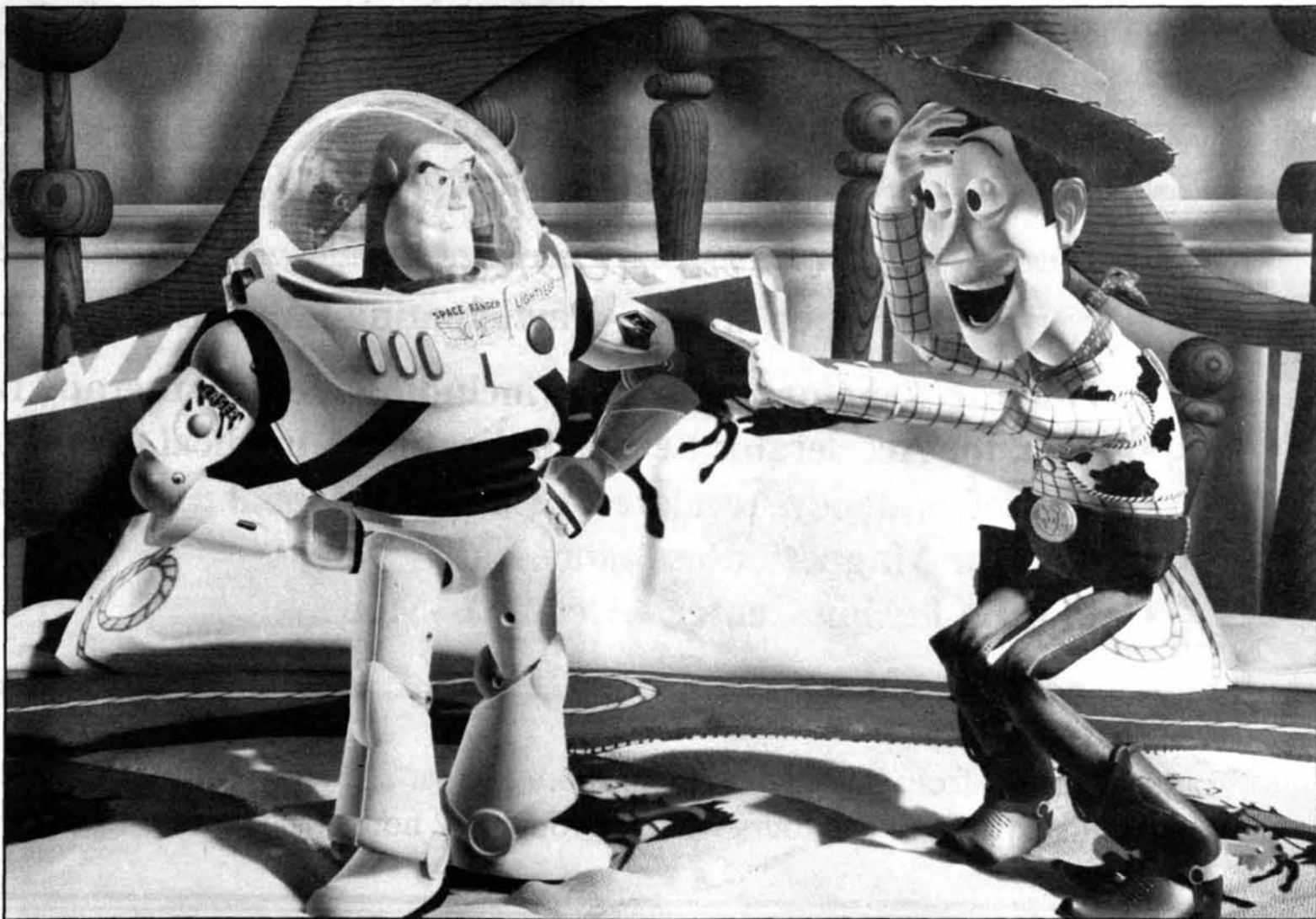
★★★★ Leaving Las Vegas

This sometimes-harrowing, often-redemptive look at a relationship between a destructive alcoholic (Nicholas Cage) and a prostitute (Elisabeth Shue) could be a spiritual antidote to the excesses of *Showgirls*. Cage is a newly-fired screenwriter whose vices have torn apart his family and led him to Las Vegas, where he resolves to drink himself to death. Shue falls in love with him for his lack of pretense, and both embark on a journey of love and self-revelation. Director Mike Figgis completely redeems himself for the pathetic *Mr. Jones*; here, he paints the characters with warm, natural emotions and uses the garish backdrop of the Vegas Strip (where even the

play does justice to 18th-century romance and chivalry. —SCD. *Sony Harvard Square.*

★★★ Toy Story

Toy Story, Disney's most innovative feature-length film to date, not only is a landmark in computer animation, but also manages to retain the action-packed plot line and light-hearted comedy that have given Disney a virtual stranglehold on children's films. But besides the fact that the film is practically one big special effect, its premise is also a lot of fun: The supporting characters of the film are such familiar toys as Mr. Potato Head, Etch-a-Sketch, Slinky, and those miniature green plastic army men that are packaged in buck-



Buzz Lightyear and Woody confront each other in Disney's *Toy Story*, showing Saturday at LSC.

man to kill her. Tony (Chazz Palminteri) is to break into the couple's home, tie her up, and wait for a phone call from the husband telling Tony he is far enough away to have an alibi. This leaves Tony and Margaret an hour to sit around and talk about their lives, which they both easily do. Overall, *Faithful* is mildly funny but unoriginal. There are several twists at the end that try to keep it from being predictable, but it feels as if the writers were trying too hard to give us a surprise ending. —DVR. *Sony Fresh Pond.*

★★★ Fargo

Joel and Ethan Coen revisit familiar territory, both personal and professional, in this tale of crime in the heartland. Set in the wintry Minnesota landscape from which the two brothers escaped a few years ago, this story of a kidnapping plot gone bad retraces the success of the Coen's first movie, *Blood Simple*. This revisiting is underlined by the casting of Frances McDormand, *Blood Simple*'s femme fatale, but in a very different role — a pregnant police chief with more brains, determination, and grit, not to mention moral sense, than anyone else in the movie. —SB. *Sony Nickelodeon.*

golden arches of McDonald's are adorned with a multitude of flashing lights). The soundtrack of soulful contemporary songs by Sting, Don Henley, and other performers is hypnotic and artfully used. It's definitely worthwhile and uplifting for those who can take it. —SCD. *Sony Copley.*

★★★★½ Sense and Sensibility

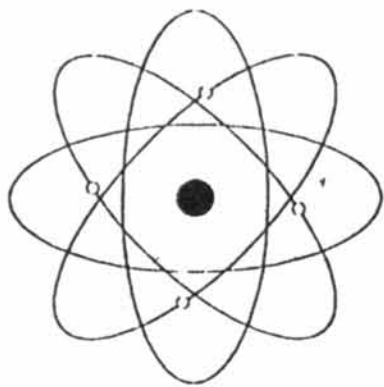
Director Ang Lee (*The Wedding Banquet*) and screenwriter-actress Emma Thompson present one of the newest Jane Austen adaptations this year. Despite the similarities to BBC television's *Pride and Prejudice*, the film is a treat to watch. Thompson plays Elinor, the older, more sensible sister of the family, while Kate Winslet plays Marianne, her younger, more passionate sister. When struck by the loss of their father, the family must look to its daughters to seek out prospective husbands; through their trials and misfortunes (including liaisons with prospective suitors Hugh Grant and Alan Rickman), the family stands together and never forsakes its honor. The dialogue and ruminations on sexual impropriety may seem quaint by today's standards, but Thompson's screen-

ets. The film stars a talking cowboy doll named Woody (voice of Tom Hanks) and a "Space Ranger" named Buzz Lightyear (voice of Tim Allen). The villain is the bully who lives next door, a juvenile delinquent named Sid who thoroughly enjoys torturing his toys. Woody and Buzz ultimately become "lost toys" trapped in Sid's house with his hideous toy creations, and have to escape before Andy's family moves away without them. *Toy Story* is a lot of fun and the computer animation is, for lack of a better phrase, really cool. —AW *Saturday at LSC.*

★★★★½ White Balloon

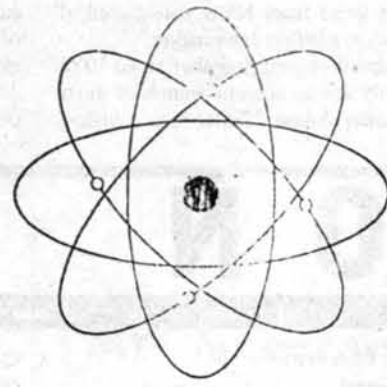
A gently-told little gem of a story of a little Tehran girl who wants to get a special goldfish for her families Naw-Ruz, or New Year's celebration. Razieh's story is filmed in real time; we experience with her the countdown to the New Year as she struggles first to convince her mother to let her buy the fish, then sets out on the adventurous journey to fulfill her mission. This simple story enables its director, Jafar Panahi, to capture a large slice of contemporary urban Persian life. —SB. *Kendall Square.*

NUCLEAR ENGINEERING DEPARTMENT



First Roving Open House

April 11, 1996



A special one-afternoon, "Roving" Open House will be held for freshmen interested in finding out more about MIT's Nuclear Engineering Department.

Why is this a "Roving" Open House? Because interested students will be taken on a tour of 5 different research laboratories. You will have an opportunity to see, first hand, the variety of industrial and medical research applications that our faculty and students are currently working on. NED UROPs, other undergraduates, graduate students, and faculty will be present at each laboratory to describe the research projects, answer questions, and provide demonstrations.

Roving Open House - Participating Laboratories:

- **Nuclear Reactor Laboratory (including medical therapy facility)**
- **Lab. for Accelerator Beam Applications - medical uses of neutrons**
- **Radiofrequency Accelerator Lab. - industrial uses of neutrons**
- **Nuclear Magnetic Resonance Lab.**
- **Plasma Fusion Center - Alcator C-Mod**

Tours will leave from building 24 (near room 105) at 2, 3 and 4 pm, sharp and will visit all 5 laboratories listed above. The tours will take roughly 2 hours (and you can leave the tour at any time).

Be on hand to pick up information on:

- **How to be pre-med in Course 22**
- **How to become a licensed reactor operator as an undergrad**
- **Biomedical UROPs for Course 22 students**

***** Refreshments will be provided *****

Sign up for the tour by calling Sonia White at 3-7407

Students Enjoy Comet Hyakutake and Lunar Eclipse

By Richard Fletcher

Several hundred students turned out last week to view Comet Hyakutake — the brightest comet to swing by since Comet West in 1976 — through a telescope atop Building 37 on three nights last week.

Stargazers were treated to another celestial event this week with a full lunar eclipse Wednesday night. Clear evening skies permitted an excellent view of the earth's pinkish-brown shadow as it slowly traversed the face of the moon. For those outside metropolitan

areas, the eclipse of the moon also provided observers with the temporary opportunity to view comet Hyakutake without the interfering brightness of the moon. **Comet watchers got a good look** The excursion to see the comet

was hosted jointly by Students for the Exploration and Development of Space and the Department of Earth, Atmospheric, and Planetary Sciences. "The turnout far surpassed my expectations," said Wes A. Watters '98, SEDS astronomy chair. Although some watchers were disappointed by the intermittent haze and clouds, those lucky or patient enough to have a clear view were delighted — and occasionally astonished — by what they saw, Watters said.

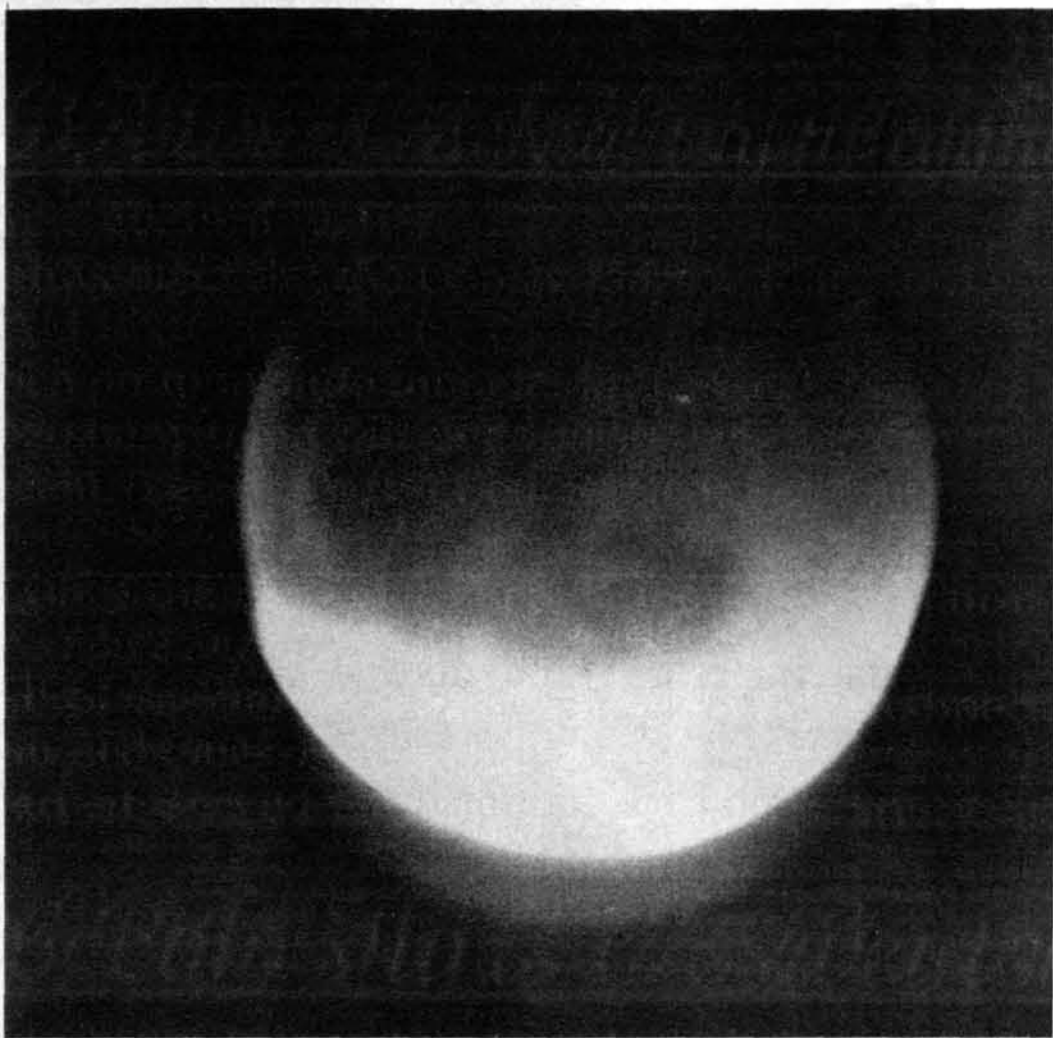
While spectators waited in line to see the comet's bright [core] through the telescopes, they were handed binoculars and hand-held scopes which they could use to see the comet's coma," or head, which is surrounded by bright gas, Watters said.

Even for those without telescopes, the comet was clearly visible from most spots on campus for most of the week. This was particularly good luck in a large city like Boston, where city lights usually block out almost everything in the evening sky but the moon.

Watters and SEDS member Jeff Foust G were in charge of coordinating the excursions; telescopes were provided by EAPS.

The comet is no longer visible with the naked eye from Cambridge, but can still be seen from rural locations in the early evening or pre-dawn skies near the constellation Perseus.

While comet Hyakutake won't return for another 18,000 years, stargazers will have another opportunity to view a comet — the dimmer Comet Hale-Bopp — in March of next year.



The moon appears just out of full eclipse around 8 p.m. on Wednesday.

GABOR CSANYI—THE TECH

Those lucky or patient enough to have a clear view were delighted and astonished by what they saw.

UROP

MIT Laboratory for Computer Science
UROP Summer Studies Program, 1996

This summer program is intended for undergraduate students who are interested in participating in research projects in the Laboratory for Computer Science. Although no prior experience is necessary, pay under this UROP Summer Studies Program is commensurate with experience, and the program is open to all undergraduates not currently or formally associated with the Laboratory. Students are expected to continue work in the fall semester (either for credit or for pay). We hope to identify creative and energetic undergraduate students interested in computer science and to encourage their development. An informational meeting will be held:

Wednesday, April 10, NE43-518 4:00 pm

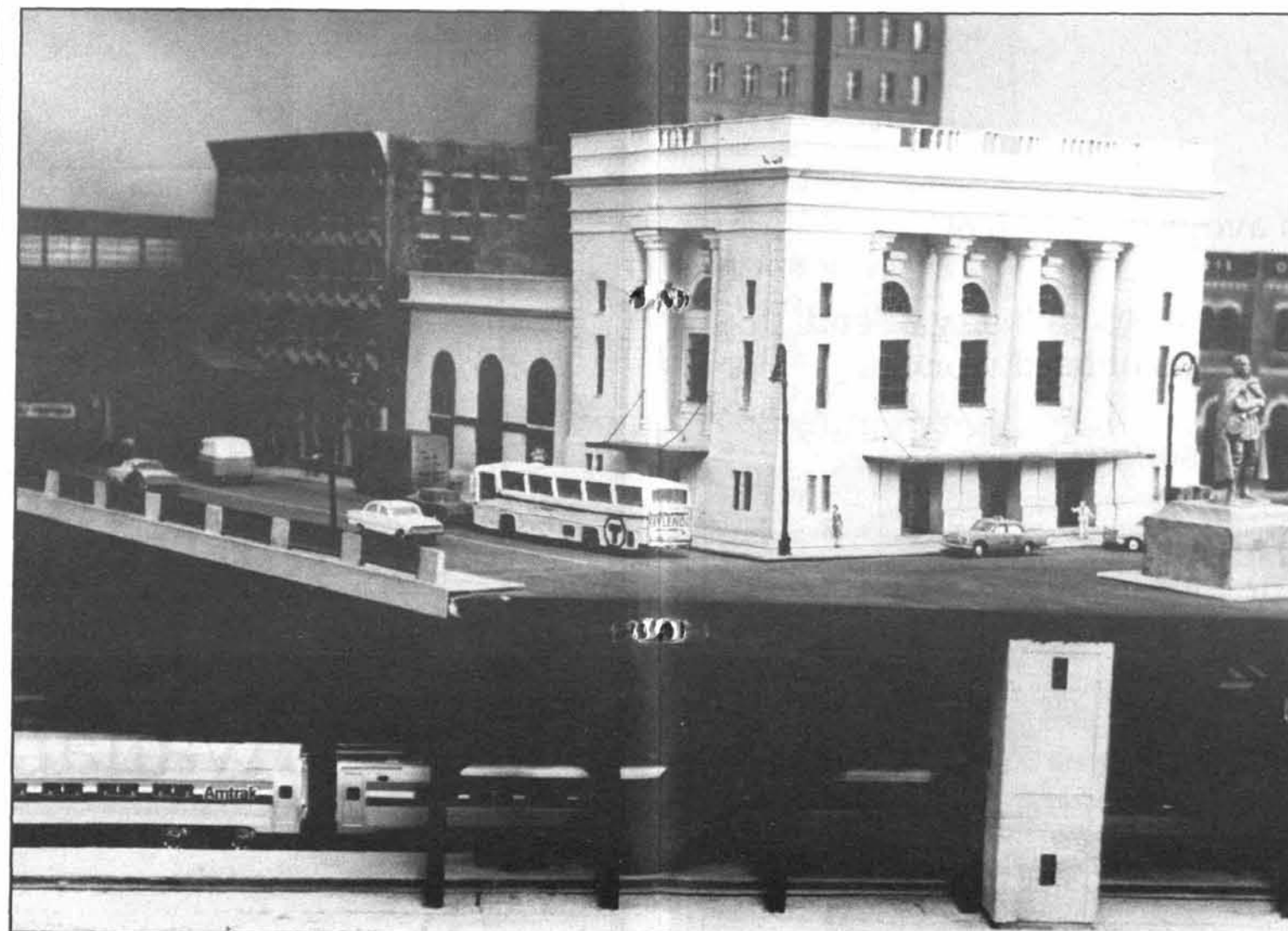
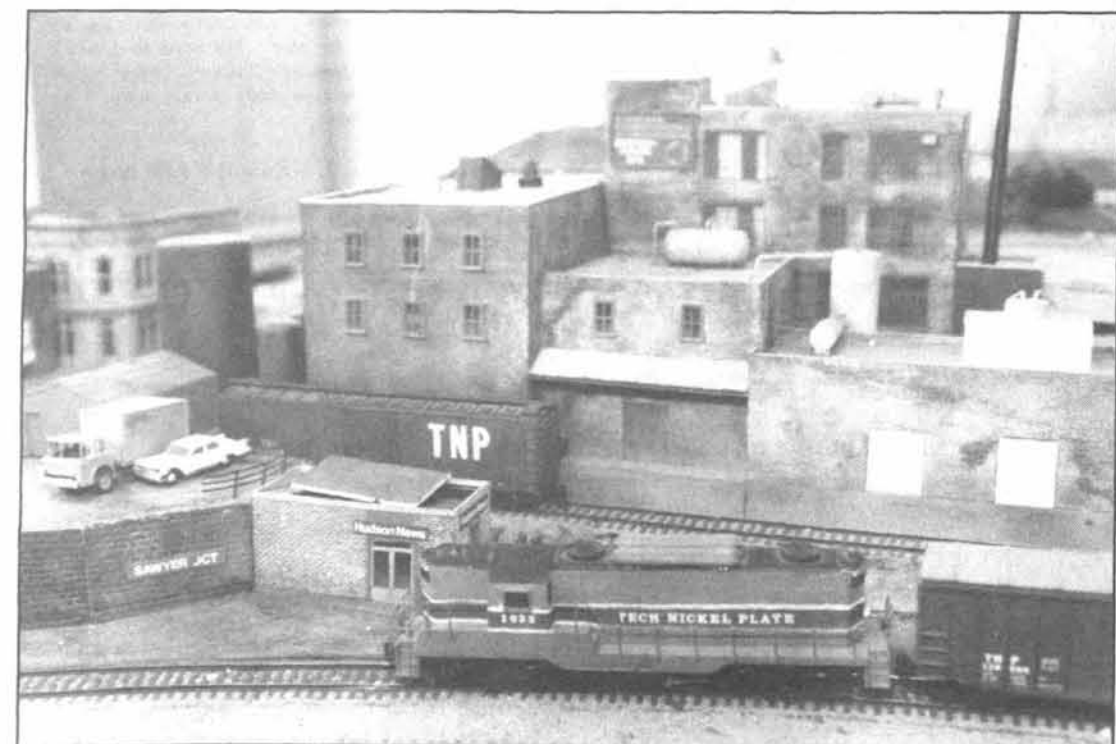
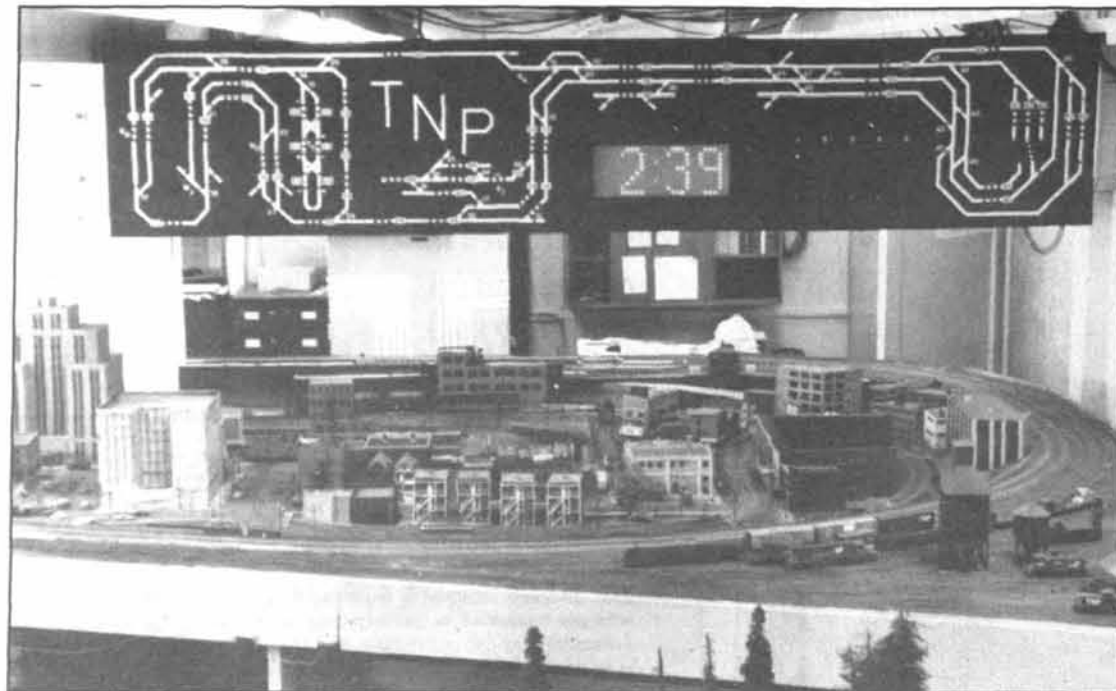
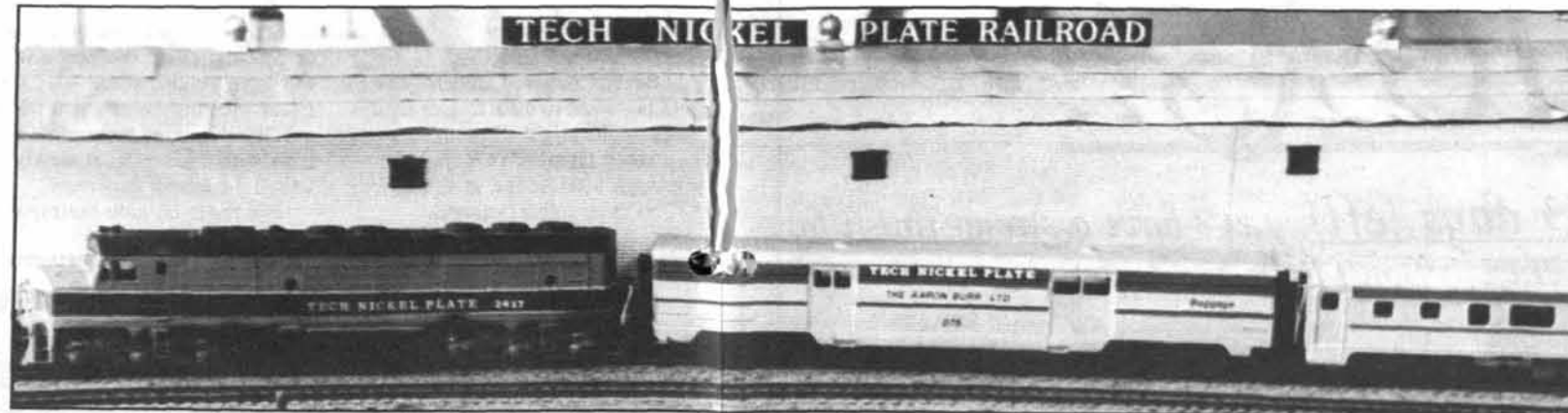
If you are unable to attend but are still interested in the program, send e-mail to halloran@hq.lcs.mit.edu

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Available in UAA, 7-103.

The Tech Model Railroad Club



Center photo: Alvar Saenz Otero '98 stands in the center of the landscape that is his love. The last open house in the original home of MIT's Tech Model Railroad Club (TMRC) will be held on April 6, 1996. Over the past 48 years, TMRC's open houses in Building 20 have entranced thousands of people, many of them parents hoisting fascinated youngsters onto their shoulders for a better view of the trains chugging through a wonderfully detailed world in miniature.



Tech Model Railroad Club of MIT
LAST OPEN HOUSE

SATURDAY APRIL 6TH 1996

10:00 a.m. to 10:00 p.m.
Located in Building 20, Wing E, Third Floor, 78 Vassar St., Cambridge MA 02139
(617) 253-3269
tmrc@mit.edu



20E - 216

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Photos by Rich Fletcher
and Jiri Schindler

Hey, SENIORS!!

Continuing our countdown at MIT, we have only 63 days left! Let's have a strong finish by working hard and playing hard. Take part in our final MIT events. Don't have any regrets...

SENIOR BALL- "A Night of Elegance"

Date: Friday, April 19, 1996
Place: The Grand Ballroom at the Copley Plaza
Time: 8 PM- 2 AM
Price: \$25 per person to include dinner**
 \$20 per person without dinner**
 Get tickets at The Source (1st floor Std. Ctr.)

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MIT Std. Ctr. (The Source) available for all guests at discounted price!
 Available 4/9-12 and 4/17. Pick up on 4/19.

Features: DJ USA, Professional Photographer, Memorabilia, Special Invited Guests, Cash Bar w/ proper ID

** Dinner will be served 8-10 PM. Non-dinner guests arrive at 10 PM.

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Special Package- Both polo and sweatshirt for \$40.00!!! On Sale at The Source.

Senior Week (June 1-June 7)

Enhance your organizational and leadership skills by joining the Senior Week Planning Team! Get the inside scoop and make your last days here worth it!
 Email <srweek96-request@mit.edu> to help out.

Commencement

Cap & Gown: Order these at the Coop by Sat. 4/6 to avoid the late fee!

Graduation Announcements: Order these at the Coop. 2 week delivery. Send these to relatives and friends to collect your rewards for 4 years of hard work!

Diploma Frames: The Coop will offering a 1 hr. framing service on Commencement weekend. \$45 or \$65 (w/mat)

Brass Rat: Ordering or servicing call Artcarved Rep. Aric Philopson 508-229-0644.

If you have any questions or concerns contact <officers@mit.edu> or drop by our council meeting on Tuesdays, 8 PM in the UA office.

Brought to you by The Senior Class Council:

Matthew J. Turner- President	Tammy Stevens- Vice President
Linda Chien- Secretary	Syed Abid Rizvi- Treasurer
Sonny Donchek- Social Chair	Michelle Neben- Publicity Chair Dave Malott- Social Chair

GSC Officers Seek To Improve Services

GSC, from Page 1

"Many students are not aware of programs like Safe Ride and the Grocery Shuttle that GSC members have worked so hard to implement," her statement said.

Ehsan would also work on the re-engineering effort and improving dining services.

A student in the Sloan School of Management, Ehsan had worked for President Bill Clinton's first presidential campaign. She then went on to work on a number of tasks for the Clinton administration.

As editor or former editor of several publications, Moy has gained a strong knowledge about deans, departments, and the Institute in general, she said.

Although she has not been that involved in the GSC, Moy said she could provide a fresh outlook.



GABOR CSANYI—THE TECH
Lawrence D. Barrett G

As secretary, Moy would like to issue formal press releases both to state the GSC's position on issues and reduce the chance of being misquoted in *The Tech*, she said. Moy would also work on the the GSC newsletter, use electronic mail to improve communication, and help maintain the GSC web site.

As an undergraduate, Moy, a student in Mechanical Engineering, had been Editor in Chief of *The Tech* and the *Course Evaluation Guide*.

As treasurer, Barrett would fund initiatives that try to increase faculty-student interactions, he said. Barrett has been active in GSC intramural sports and would like to continue its funding.

Barrett is a student in Mechanical Engineering and spent his undergraduate years at Pennsylvania State University.

Voting procedure questioned

There were several procedural motions during the elections.

The council spent several minutes discussing whether or not the students can comment about the presidential candidate after they left the room. The GSC eventually voted to allow comments about the candidates.

The Council also vote to allow Ehsan's absentee ballot and to decide the uncontested elections by a show of hands. Thirteen voting members of the GSC were in attendance for the elections.

utes discussing whether or not the students can comment about the presidential candidate after they left the room. The GSC eventually voted to allow comments about the candidates.



GABOR CSANYI—THE TECH
Constantine A. Morfopoulos G

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Jim's Journal

by Jim



POP QUIZ

1. How many times have you missed  this semester?

- a) None.
- b) Fewer than five times.
- c) 1 800 CALL ATT.
- d) Where's Dylan?

2. Someone calls you collect, using 1 800 CALL ATT. What happens?

- a) You accept because you and the person calling are automatically entered to win an internship on Beverly Hills, 90210*.
- b) You accept because it always costs less than 1 800 COLLECT*.
- c) You accept because he/she might be Dylan.
- d) All the above.

3. What's the best thing to do while watching Beverly Hills, 90210*?

- a) Study.
- b) Listen to David's rap song.
- c) Hope for a guest appearance by Dylan.
- d) Call a friend collect using 1 800 CALL ATT (you might win the Beverly Hills, 90210* internship and listen to David's rap song in person).

4. You have to call your parents for money. Select the most appropriate scenario:

- a) You use 1 800 CALL ATT because you know you'll get more money out of them.
- b) You use 1 800 CALL ATT because that way you'll get another chance to win the Beverly Hills, 90210* internship.
- c) You're doing it to get a bigger TV set.
- d) All the above.

ANSWER: Place a collect call using 1 800 CALL ATT between now and April 10 and you and the person you're calling are entered to win an internship on the set of Beverly Hills 90210. No purchase necessary. Void where prohibited. To enter, be the billed party of an accepted collect call placed using 1 800 CALL ATT. Billed party selects guest. For official rules and alternate means of entry call 1 800 882 3246. Must be 18 or over to enter. Sweepstakes ends April 10, 1996. Beverly Hills, 90210 is a registered trademark of Tandem Productions, a subsidiary of Spelling Entertainment Group Inc. used under license. © 1996 Tandem. All rights reserved. *For interstate calls, promotions excluded.

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MIT Team Takes Top Honors in Design Competition

TBP, from Page 1

tanker, the extra oil could not spread further, Guidry said.

In presenting their solution to the judges, the MIT team also justified their proposal over other alternatives.

Local competition held first

Before advancing to the district competition, the team had to apply its problem-solving skills to win the local MIT competition.

A total of eleven MIT teams competed for the chance to advance to the district competition. The local competition had resulted in a tie between the top two teams.

The six judges for the MIT competition gave the top two teams equal total scores. A second vote

resulted in another tie.

The judges liked the ideas of both teams, but the second team's "only drawback was that they did not present why they eliminated some of their ideas and only presented one of the ideas," said Yi-Hung Li '97, an officer of MIT's Tau Beta Pi chapter.

In the end, the Tau Beta Pi officers had to break the tie, but the total \$400 prize money for the top two places was evenly divided between the two teams.

Members of second team at MIT were Joel M. Rosenberg '99, Ricardo Galan '99, John D. Dunagan '98, and John J. Rae '99.

Teams compete to design device

In the MIT local competition, the object was to design a snow-removal device.

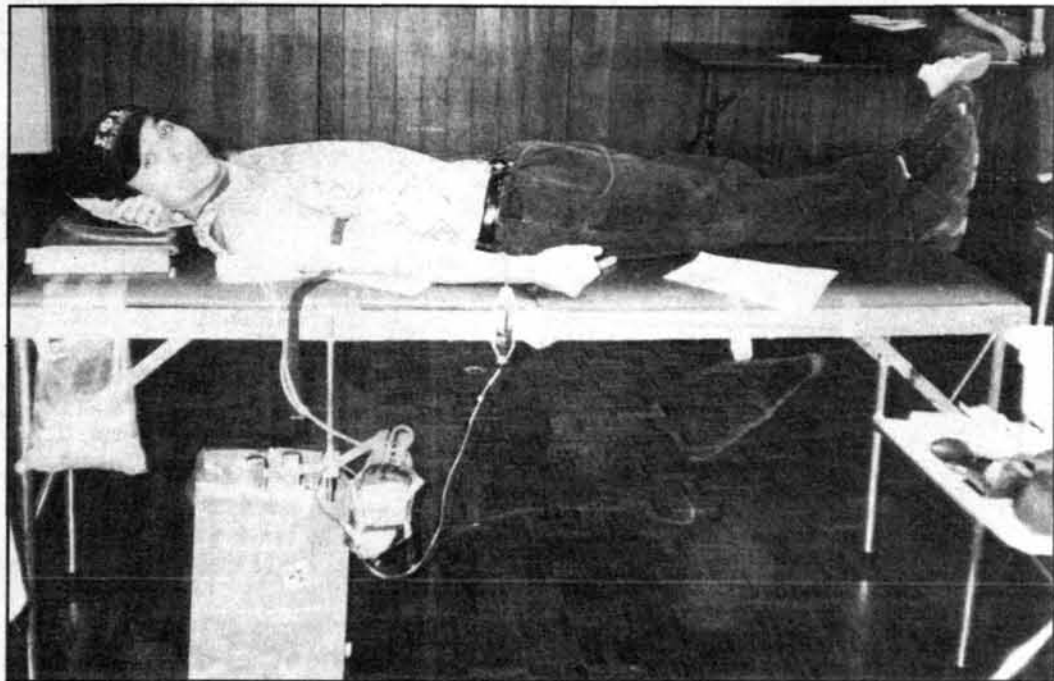
"Our idea was basically a heated mat that you could put on your sidewalk, driveway, or car while it was snowing," Khan said. "It was basically just a waterproof electric blanket that provided a drainage mechanics for the melted snow."

The six judges for the MIT event were Mathematics Professor Hartley Rogers, Chemical Engineering Associate Professor Preetinder S. Virk, Electrical Engineering and Computer Science Professor Donald E. Troxel, Associate Material Science Professor Kirk D. Kolenbrander, Ulana M.S. Legedza G, and Jung S. Yu G.

The local competition was sponsored entirely by the MIT Tau Beta Pi Chapter. The district competition was sponsored by Robotics Vision Imaging Inc. and the Tau Beta Pi district organization itself.



Praveen Ghanta '99, Michael J. Guidry '98, Salman A. Khan '98, and Narendra Maheshri '99 form the team that won the Tau Beta Pi district engineering design competition last Saturday.



Angel E Sanchez '98 gives blood at the Technology Community Association's blood drive yesterday.

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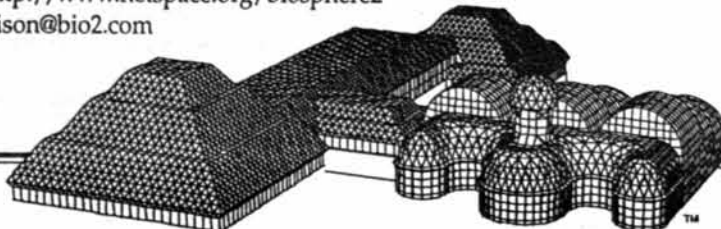
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For more information, contact:
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Jim's Journal

I was sitting around today when Mr. Peterson started rubbing against me.



I scratched her head for a while and she purred like crazy.



Suddenly she popped her head up and stopped purring, as if she'd heard something in the other room.



She ran into the other room as fast as she could.



I worked the cash register for all the self-service customers that came in.



At the copy store today I worked with Julie.



Julie was making a bunch of copies of something that were due the next day.



When I heard the machine stop, I looked at Julie and she looked like she was asleep.



by Jim

Department of Earth, Atmospheric, & Planetary Sciences Open House



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IS Hopes to Increase Athena Quotas Often

Athena, from Page 1

ing the total size at 177 gigabytes, Braun said.

IS staff members have been continually replacing older servers and disks during the past eight months as part of this process, Braun said.

"We have been targeting a quota increase for some time now," but Network Services needed to make sure it had the capacity to make the change, Braun said.

The quota was specifically increased to 12.5 megabytes because it "represented a tangible increase and was within our current means," Braun said.

Last summer, Athena switched to digital linear tape technology as its backup medium, since it writes data more quickly than the 8 mm tape previously used and can store up to 40 gigabytes, Braun said.

There will be a backup cycle of approximately one to two weeks now that the increase has been implemented, Braun said.

MIT gives more space than others

The amount of space that MIT makes available to its students ranks well against comparable universi-

ties.

While Stanford University has a six-megabyte quota, "it's not really hard to get more," since students can get increases if they are doing research or taking certain classes, said student Joanna L. Salgado. Salgado works the consulting desk for Stanford's computing system. "I'm jealous" of MIT's quota, she said.

The California Institute of Technology also has a six-megabyte student quota; at Harvard University, the quota is five megabytes.

Cristian A. Gonzalez and Venkatesh Satish contributed to the reporting to this story.



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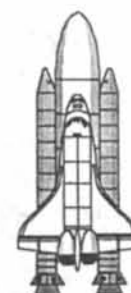
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Department of Aeronautics and Astronautics



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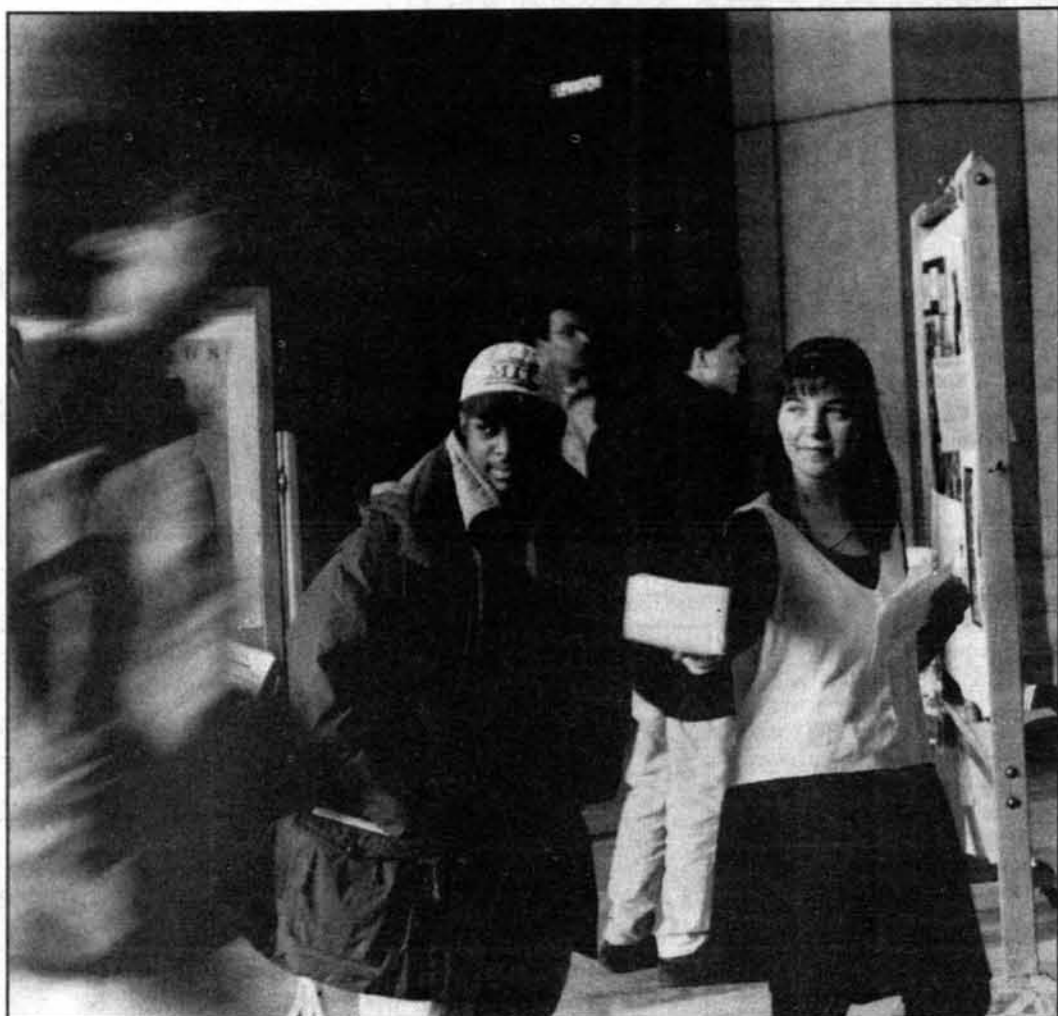
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JIRI SCHINDLER—THE TECH

Jinevra R. Howard '98 hands out leaflets for the upcoming week of multicultural solidarity. Events are being planned by a number of student activities.

Come join us!

No, we're not exactly a living group, but we still have lots of fun; we have free food all year round. Watch for us at the Activities Midway, or if you're anxious, you can stop by room 483 in the Student Center anytime during R/O.

THE TECH

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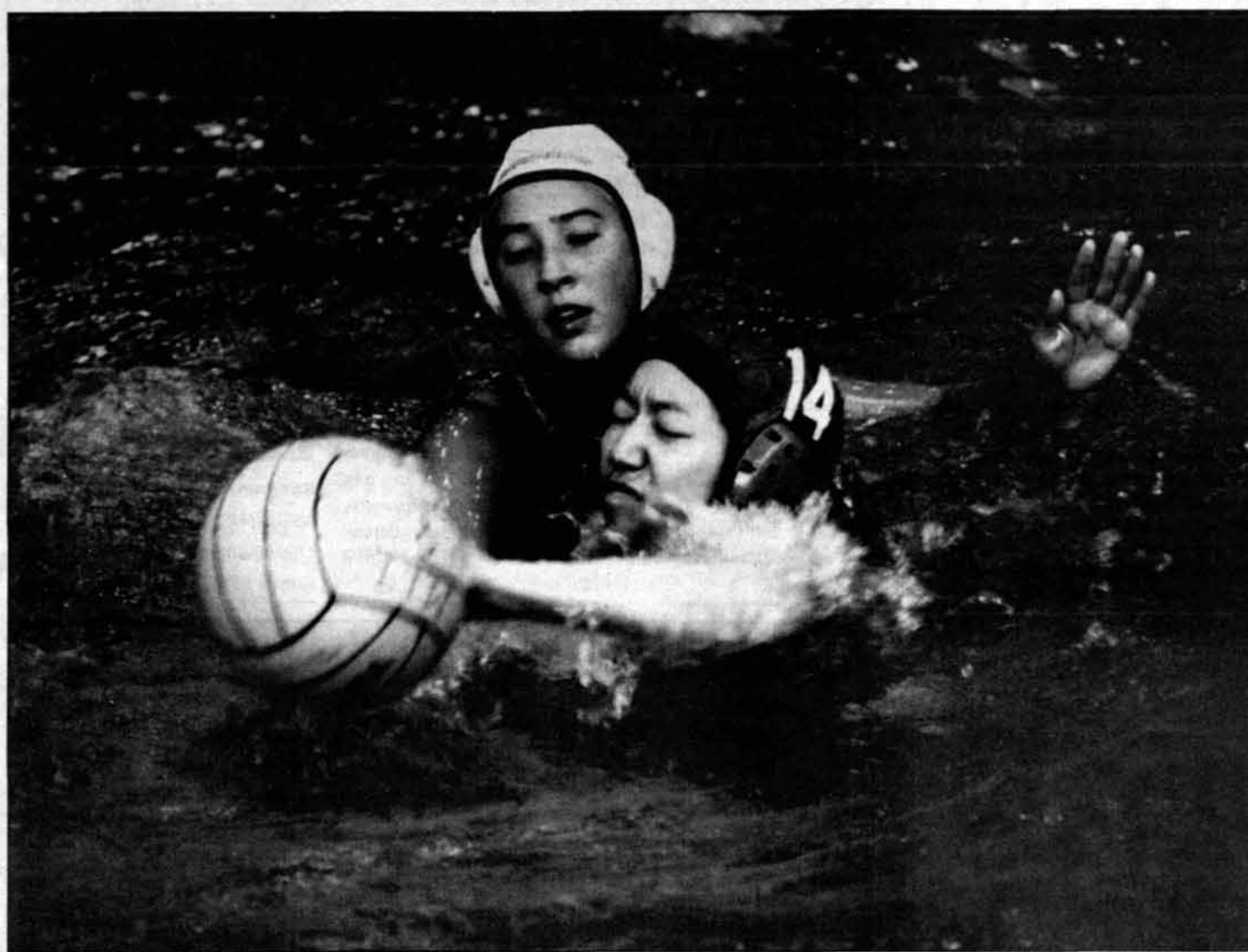
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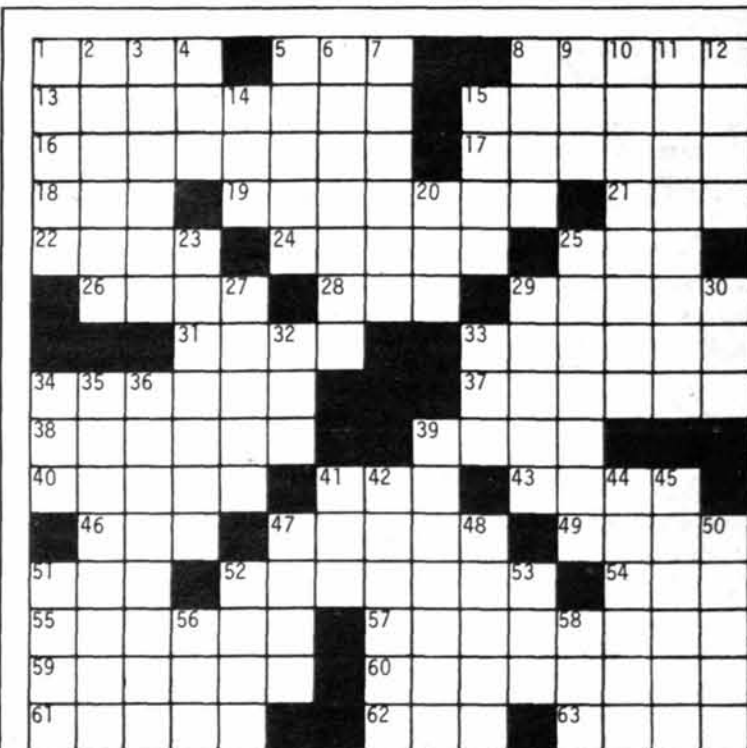
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ACROSS

- 1 Wander
- 5 Outfit
- 8 Rich Little, e.g.
- 13 Take without right
- 15 Fair
- 16 From Kingston
- 17 Did Housework
- 18 loss for words
- 19 In a cold manner
- 21 Physicians (abbr.)
- 22 Mason's equipment
- 24 Actress Keaton
- 25 Country of 1932 Olympics
- 26 Sloping passage
- 28 king
- 29 Greek island
- 31 Merit
- 33 Requested from God
- 34 Empty
- 37 Like Abe
- 38 Doted on
- 39 Not yet final, in law
- 40 Stephen Sondheim output
- 41 Geller
- 43 Hoagies
- 46 Eye cover

- 47 Famous dummy
- 49 Sea birds
- 51 Clumsy fellow
- 52 Beaver
- 54 Tiny
- 55 Sound system
- 57 Fence of stakes
- 59 Word before Highness
- 60 Inflamed with love
- 61 Anything of value
- 62 Golfer Floyd
- 63 Gainsay

DOWN

- 1 Type of ruler
- 2 Speechmaker
- 3 Fleet
- 4 Bygone bird
- 5 Went speedily
- 6 bread
- 7 Kindly
- 8 Name in Cohan song
- 9 Ending for dom
- 10 Imagination (2 wds)
- 11 Repeats
- 12 Miss Charisse, et al.
- 14 Mr. Young
- 15 Wretchedly bad
- 20 Key to heredity
- 23 Smudged
- 25 Atomic-bomb substance
- 27 Hors d'oeuvre spreads
- 29 See 32-Down
- 30 N.Y. time (abbr.)
- 32 With 29-Down, Clara Barton's find
- 33 Greek letter
- 34 Cauldron
- 35 Flatters
- 36 Class of trees
- 39 Buddhist supreme happiness
- 41 French number
- 42 Cyrus McCormick invention
- 44 Watch out for
- 45 Country of 1912 Olympics
- 47 gin
- 48 Procrastination
- 50 Like watermelon
- 51 Greek peak
- 52 Part of %
- 53 Edge
- 56 Sandpiper
- 58 Turf

PUZZLE SOLUTIONS FROM LAST ISSUE



Water Polo Downs Wellesley, Dartmouth; Loses Two

Water Polo, from Page 24

though, with four of the next five goals to take a 4-3 lead at the end of the first quarter.

MIT applied the defensive clamps in the second quarter to shutdown Dartmouth while tallying three goals of their own. Chapman tied the game 4-4 on a six-on-five goal. Techet scored on a four-meter penalty shot and again on a shot from the wing as the shot clock was expiring to give MIT the 6-4 half-time lead.

A key sequence in the game

occurred late in the third quarter. Amy Smith G had just scored to give MIT an 8-5 lead, when Dartmouth was awarded a four-meter penalty shot. Goalkeeper Jeannette Chian '98 came up with a big save on the shot, and MIT went down the pool to score as Chapman connected from the hole off a pass by Nicole Gotti G. The two-goal swing pushed MIT's lead to four goals as the third quarter ended.

Chapman increased MIT's lead to 10-5 on a 6-on-5 goal as she followed the rebound of her own shot and out-muscled her defender. Dart-

mouth then got three of the next four goals to pull within three at 11-8, but Areej Hassan '99 scored from the wing to put MIT back up four goals, and MIT was able to hang on for a 12-10 win.

MIT drops close one to Harvard

MIT's third game was a very evenly played match against a strong Harvard University team. Harvard jumped on top 1-0 just over one minute into the game, but MIT came back to tie it 1-1 on a score from the hole following a pass in from the wing by Techet.

Harvard got the next goal, but MIT tied it again when Chapman got the ball on the right. Chapman held the ball briefly, faked the goalie out of position and deposited the ball in the goal with 10 seconds remaining in the first quarter. Harvard then scored twice to take a 4-2 half-time lead.

MIT got back within one goal midway through the third quarter when Techet scored a 6-on-5 goal. However, Harvard added two more third quarter goals to lead 6-3 going into the fourth quarter. Chapman added another goal from the

hole on another 6-on-5 advantage, but MIT could pull no closer and fell 6-4.

MIT sinks Wellesley handily

In Sunday's finale, MIT rode a great game from Chapman (5 goals on 5 shots, 2 assists) to a fairly easy victory over Wellesley. Techet got MIT going early with a four-meter penalty shot score 34 seconds into the game.

After Wellesley tied the game at 1-1, MIT scored three unanswered goals. Gotti tallied first with a long shot at the end of a 6-on-5 advantage. Chapman, in the hole, just beat the shot clock for the second goal after a pass from the wing. Techet next drew a foul in the hole and passed to Smith on the wing for the third goal to give MIT the 4-1 lead.

Wellesley roared back with three goals of their own to tie the game at 4-4 with 44 seconds left in the first half. Clara Yang G then found Chapman in the hole with a long pass; Chapman fought off her defender and scored to give MIT the 5-4 halftime lead.

Wellesley tallied first in the second half to tie the match but MIT, led by Chapman, then took over to put the game out of reach. First, Chapman found a teammate with a pass for a 6-on-5 goal. Then, in a span of less than 100 seconds, Chapman tallied three goals.

The first two came as she pressured the Wellesley player attempting to bring the ball up the pool. Twice Chapman stole the ball, drew the foul, and swam down the pool to receive the free throw pass for open breakaways.

Chapman's final goal came in the hole on a lob shot just over the goalie's outstretched hands and put MIT up 9-5. Xochitl V. Cruz-Gonzalez '99 and others added fourth quarter goals to extend MIT's final margin of victory to 13-5. Chian and Disraeli again shared goal-keeping duties and combined for nine saves to backstop the defense.

Braves, Astros, Dodgers Tops in National League

By Bo Light
ASSOCIATE SPORTS EDITOR

Well, the college basketball season is finally over. If you missed it, Kentucky beat Syracuse on Monday to win their first National title since 1978.

EVERYTHING ABOUT SPORTS

When asked how his team stayed focused during the tournament, Kentucky Coach Rick Pitino was quoted as saying, "that smart-aleck kid from MIT said we weren't going to win this year. That was all the motivation we needed."

The NCAA hockey tournament also came to a conclusion last week. In a thrilling final, Michigan captured the National Championship with a 3-2 overtime victory over Colorado College. The Wolverines, who beat defending champ Boston University, 4-0, in the semifinal, also made headlines (and highlight films) earlier in the week.

During a game against Minnesota, junior Mike Legg stunned the crowd with an amazing, had-to-see-it-to-believe-it lacrosse-style goal that should be replayed on sports shows regularly until sometime in 2005. Surprisingly, the goal was Legg's first (and only) one of the playoffs. Maybe if he spent

more time working on his slap shot...

In other college sports news, it looks like Northwestern could get a Rose Bowl victory after all. Two USC football players stated last week that they received As in a course without ever having done any work for the course. According to reports, as many as fifteen football players were registered for the course, and all received As. The NCAA has begun an investigation; if the investigation uncovers wrongdoing, USC's Rose Bowl win could be forfeit.

The Batter's Box

It always happens; you take off for spring break a week early, and they start baseball season without you. Well, Opening Day has come and gone, but here, nonetheless, is the EA Sports National League Preview.

NL East

Is anybody going to argue that the Atlanta Braves won't win another pennant this year? No? Good. The Braves still have the best pitching in the league, and though their offense is not particularly strong, you can't lose if the other team doesn't score.

The Amazon' Mets should take second in the East behind another

solid pitching rotation and excellent defense. Florida made a lot of great moves in the off-season, but the Marlins will need their beefed-up offense to make up for the lack of reliable pitching and fielding. Hey, it works in Boston.

The Montreal Expos have fallen big time; they should be able to sue someone for the opportunity they missed during the strike year. As it is, they should finish just ahead of Philadelphia, whose only real strength is the Blight on Baseball known as Lenny Dykstra.

NL Central

No one in the Central has particularly good pitching, so offense will be the determining factor in this division. The most offensive team in the Central is the Houston Astros, who should muscle their way into the playoffs. The Reds and the Cardinals look pretty similar; powerful teams with good defenses and bad pitching. Their tight race for second should keep either of them from getting the wildcard.

The Cubs haven't won a World Series since 1908. That should be enough to motivate any team, but motivation alone won't help this one, though Ryne Sandberg might. And the Pirates, who lack both pitching and scoring, have finally

returned to that familiar place in the basement.

NL West

There's been talk that the San Diego Padres have finally gotten returns on their bargain-basement deals over the past decade, and their new talent makes them contenders for the West title. Well folks, don't believe the hype. These are, after all, the Padres.

The Dodgers are still the best in the West, with the excellent defense and pitching found in the East teams. The Rockies are once again the wild card team, if only because the high-octane games at Coors Field are so television friendly that the network covering the playoffs might pay off the rest of the division to throw games.

Third are the Padres, whose talent upgrades at least make them better than the Giants. Yes, the Giants are basement-dwellers this year; Matt Williams and Barry Bonds are talent sadly wasted in San Francisco.

Trivia Question

Who holds the major league record for the most times on base before his first stolen base? Send answers to easports@the-tech. There was no question last week, so there's nothing to answer this week. But next week...

Sohn New Pistol All-Star

Pistol, from Page 24

Women's captain Sohn was named to the All-Star team in both women's Air and Sport Pistol, the dual designation shared by only five women shooters nationwide.

Last but not least, retiring coach Pat Melaragno was named as Distinguished Coach of the Year, an award reserved for one outstanding collegiate coach. The team looks optimistically towards next season, with no members graduating from this strong team.

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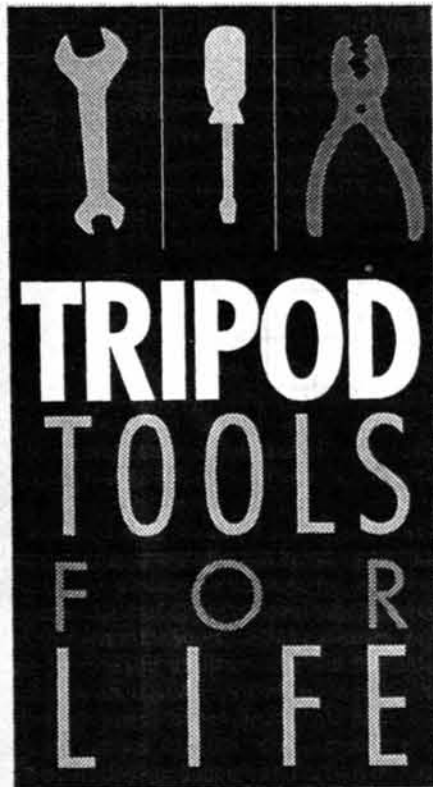
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SPORTS

Finish Makes Women's Pistol Tops in Nation

By Danny Yu
TEAM MEMBER

Both the men's and women's varsity pistol teams shot well at the Intercollegiate Pistol Championships in West Point, New York last week. The women's team finished the competition first in both its events, the .177 cal women's air pistol and .22 cal sport pistol. The finish makes the team the undisputed national champions for the 1995-96 season.

The men's team, which competes in .177 cal air pistol, .22 cal standard pistol, and .22 cal free pistol, fared almost as well, finishing fourth behind the U.S. Naval Academy, U.S. Military Academy, and Sam Houston St. University.

Women take first place

Myong-Sin Yi '98 shot the top score to take the crown in women's air pistol, earning 362 points out of 400 in the preliminary round and 92.9 out of 100 in the finals round and becoming the first individual national champion from MIT in over five years.

The women's air pistol team, consisting of Yi, Jane Sohn '98, and Lina Chen '97, topped season rival Navy by an aggregate score of 1053-1035, out of a possible maximum of 1200 points on the 40-shot course. The event was particularly exciting in the 10-shot finals for the top eight individual shooters, as Yi overcame an early deficit with a string of tens on shots 5, 6, and 7 to gain the victory. Sohn finished sixth, while Chen and individual qualifiers Tracey Ho '99 and Evelyn Huang '99 were in the rest of the pack.

Made up of Huang, Sohn, and Yi, the women's sport pistol team topped the field again with an aggregate score of 1571 (60 shot course); the nearest team, the U.S. Coast Guard Academy, scored 1559. Huang and Sohn placed sixth and seventh individually, with Huang shooting season and career highs to lead the team.

Men battle to fourth

In men's free pistol, the team of captain Ben Leong '97, Seth Webster '97, Jacques De Lalaing '97, and Danny Yu '98, finished a disappointing seventh out of a field of 10. Leong's Vostok free pistol malfunctioned early on, forcing him to use the less accurate semi-automatic standard pistol, resulting in a season-low.

Nerves beset the rest of the team, and the first event of the championships did not turn out as planned, with the team dropping from its pre-match seeding of third.

The next day featured the standard pistol event, where the team fared better. The team consisting of John Novak '96, Leong, Webster, and De Lalaing managed a fourth place finish, despite a malfunction of De Lalaing's pistol which forced four unfired zeros on his score.

Novak, who shot the second half of the season with an inflamed shoulder, and Webster turned in the team high scores, bringing the team to within 18 points (out of 2400) of third-place Coast Guard Academy.

On the last day, the men's air pistol team of Leong, Novak, De Lalaing, and Yu took fifth place with an aggregate score of 2127, shy of first place US Military Academy's score by 41 points. Leong, Novak, and De Lalaing turned in respectable but below-individual-average scores of 544, 535, and 533 respectively, helping the team edge out Texas A&M University for fourth place overall. Leong missed the cut for the finals by one point.

Awards recognize shooters

All-American and All-Star awards were given out at the championships. Leong and Novak were named as Second Team Air Pistol All-Americans, and Leong was also named to the Second Team All-American Free Pistol squad.

Pistol, Page 23



PHOTO COURTESY OF PISTOL TEAM
The Women's Air Pistol Team — Myong-Sin Yi '98, Jane J. Sohn '98, Lina Chen '97, and Coach Pat Melaragno — became national champions at the Intercollegiate Pistol Championships last week.



JIRI SCHINDLER—THE TECH
John Hocter '96 breaks through to score his fifth goal against Curry College. MIT won, 19-6.

Baseball Takes a Double-Header Against Springfield, 6-3 and 12-2

By Joel Morales

TEAM MEMBER

The baseball team began its season over spring break in Miami. They went 2-3, with wins over Kings Point and Bowdoin Colleges.

This past weekend the Engineers swept a double header against the former division II-ranked Springfield 6-3 and 12-2, improving their record to 4-3.

MIT dominated Springfield, which was previously ranked third in the New England top ten poll, in

all aspects of the games.

In the first game left-hander Steve Bruneli '96 held Springfield in check, only allowing three runs. The bats came alive late in the game, as MIT extended the lead from 3-2 to 6-2. Springfield never recovered from the deficit.

In the second game, left-hander Aaron Loutsch '96 allowed only four hits and two runs. Without a

shift in momentum, the engineers jumped out to an early 4-0 lead, scored four more runs in the third, one in the fourth, and three in the final inning to put Springfield away convincingly.

The Engineer offense combined for a total of 18 hits and 18 runs. The team next plays at home tomorrow afternoon with a double header against Norwich.

UPCOMING HOME EVENTS

Friday, April 5

Softball vs. Wheaton College, 1 p.m.

Men's Tennis vs. University of Vermont, 3 p.m.

Saturday, April 6

Men's Tennis vs. Swarthmore College, 11 a.m.

Men's Heavyweight Crew vs. Columbia University, 8:45 a.m.

Men's Lightweight Crew vs. Yale University, 8:30 a.m.

Women's Rugby vs. Dartmouth, 10 a.m.

Women's Crew vs. Amherst College, Boston College, and Tufts University, 9 a.m.

Baseball vs. Norwich University, 12 p.m.

Sunday, April 7

Varsity Sailing-Oberg Trophy, 9:30 a.m.

Monday, April 8

Baseball vs. Tufts University, 3 p.m.

Golf vs. Tufts University, 1 p.m.

Women's Waterpolo Takes Two Matches Decisively

By Darren T. Castro
STAFF REPORTER

The women's water polo team split four games at the Collegiate Water Polo Association's New England Division/Northern Region Tournament, which took place last weekend at the Alumni Pool. The team's overall record for the year is now at 3-2.

The team fell behind quickly in its opener against the University of Massachusetts and was never able to close the gap. MIT struggled to generate any offense and were outshot 16-5 in the first half. MIT broke down defensively as well several times, giving up four 1-0 breakaway goals in its 14 first-half turnovers.

UMass took advantage of MIT's difficulties, and led 11-0 at halftime. UMass stretched its second-half lead to 15-1 before MIT battled back with five unanswered goals. Two of the goals came as Alexandra Techet G out-battled her defender in close to beat the goaltender. Techet's third goal came from a four-meter penalty shot.

Adriane Chapman '98 also scored from in the hole during a six-on-five advantage during the run. MIT could get no closer however, and UMass added a goal with five seconds left for the final 16-6 margin.

MIT downs Dartmouth

In the second match, MIT got out to a quick 2-0 lead against Dartmouth University on two goals by Techet. Dartmouth fought back,



JIRI SCHINDLER—THE TECH
Catherine L. Lavelle '96 scores against Dartmouth College Saturday during the Women's Water Polo Tournament. MIT won the match, 12-10.

Water Polo, Page 23