



THOMAS R. KARLO—THE TECH

John Mueller beats the tag at 3rd during the 4th inning of the bottom game of Saturday's double header against WPI. MIT won the game, 14-4, to complete an easy sweep against Worcester Polytechnic Institute.

Parties May See Metal Detectors

By Nicole A. Sherry
STAFF REPORTER

The Campus Police is considering a policy that would require certain on-campus student parties and dances to use metal detectors to screen people entering the event, according to Chief of Campus Police Anne P. Glavin.

Student reaction to the idea is largely negative. Many students at dormitories and independent living groups say that the program is unnecessary and would be a waste of money.

The Campus Police is working on the proposal with the Residence and Campus Activities office and the Campus Activities Complex office. Because the policy is still in its planning stages, the date at

which it will be implemented has not been set yet, Glavin said. Also, the Campus Police has to determine how many detectors to purchase, she said.

It is possible that the program could become voluntary rather than mandatory, said Hans C. Godfrey '93, Undergraduate Association president.

The proposal calls for mandatory use of metal detectors at campus parties and dances where organizers or the Campus Police believe that over 250 people will attend, parties that are open to non-MIT students, parties at which alcohol will be served, or parties with a live band. Metal detectors could also be

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MIT Hosts 45th State Science Fair

By Hyun Soo Kim
NEWS EDITOR

MIT hosted the 45th annual Massachusetts State Science Fair last weekend. Three hundred high school students from across the state competed for more than \$150,000 in prizes, awards, and scholarships.

"It was a great experience. I've been doing it for four years. It's something that I've been working hard on," said Franco P. Benazzo, a senior at East Boston High School. "It's fun explaining my project to people who can understand it when you've been doing all this research."

"We would like to congratulate all of the student participants in this year's State Science Fair. A year of hard work, dedication and, impressive discovery is evident in the worthwhile endeavor which allows students to explore their interests in science. We look forward to continuing our support for the Fair," Bolduc said.

The students who participated in the fair were winners from local and regional science fairs held earlier in the year. Projects covered extensive areas of science, including astronomy, biology, chemistry, earth science, physics, and computer science.

First place went to 26 students. Benazzo, who won first place in

biology for his project on the production of monoclonal antibody to B lymphocytes ligand B7.2., summed up his project: He investigated the role of a particular ligand, a molecule which binds to cell receptors, that increases proliferation of T cells, white blood cells that fight bacteria.

His research can be applied to autoimmune therapy and organ transplants. Benazzo will attend Brown University in the fall. He hopes to eventually get a PhD in immunology.

Second place were shared by 34 projects. Erika A. Dahlin-Lee, from the Lexington High School, earned second place honors for a project called the "Computer-simulated algorithm for genetic selection."

Third place went to 38 projects, and 43 projects won honorable mention.

Benazzo noted that the judges this year seemed more knowledgeable. "It seemed that the caliber of the judges was higher, more professional, more questions; they expect you to know more," Benazzo said.

Some first place winners of the State Fair were selected to go to the International Science Fair. Benazzo, though not selected, won a \$1,500 scholarship from Polaroid Corp.

Summer Funds Not as Tight

By Ramy A. Arnaout
ASSOCIATE NEWS EDITOR

Although the final approvals of the Undergraduate Research Opportunities Program Office funding will be announced on Friday, relieved department UROP coordinators predict that the summer funding will not be as tight as they had feared. Students and faculty have adjusted their plans and are looking at other sources to meet the demand in the fall term.

Even through the budget crunch, the \$1 million infusion, and the deadline extension, the Laboratory for Computer Science was able to hire as many UROP students this summer as it did last summer,

according to LCS UROP Coordinator Albert Vezza.

Last summer, LCS hired 53 students, winding up "a little oversubscribed," by hiring three more than their average of 50 students, Vezza said. "As far as this year goes, I had the same limit — 50 students," he said. "We got 40 to 45 students this year, but they're still coming in."

Veza said that LCS owes its continued high hiring levels in large part to the \$1 million transfer to UROP engineered by Provost Mark S. Wrighton. "I think Mark Wrighton's \$1 million helped a lot," he said. "I don't think we could have done it without him. Without [the contribution], I would have lim-

ited things at about 25 students," he said.

The Department of Chemistry also hopes to hire as many students as last year, according to Paul W. Stewart, senior secretary for the department's UROP coordinator. Surprisingly, in the face of UROP budget woes, Course V has hired 40 UROP students so far, three more than last summer, he said.

Stewart attributed this to keeping the department well informed. "I basically let my department know that we got a million dollars." The faculty were able to discuss the funding situation so that they had a

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INSIDE

- *F.O.B.* captures intra-ethnic tension. Page 12
- Pink Floyd's *Division Bell* throwback to their past. Page 13
- Golf finishes year, 14-5 overall. Page 16

MIT Places 4th in Putnam

By Eva Moy
EDITOR IN CHIEF

MIT placed fourth in the nation in the 54th annual William Lowell Putnam Mathematical Competition administered early last December. In addition, many individuals performed very well. The results were announced in early March.

Teams from Duke University, Harvard University, and Miami University placed first through third. Overall, 2,356 students from 402 colleges and universities in the United States and Canada participated in this annual contest.

Harvard, which usually places first, was bested by Duke this year. MIT hasn't won the competition since 1978, according to team adviser Professor of Mathematics Hartley Rogers Jr.

While a total of 60 MIT students took the exam,

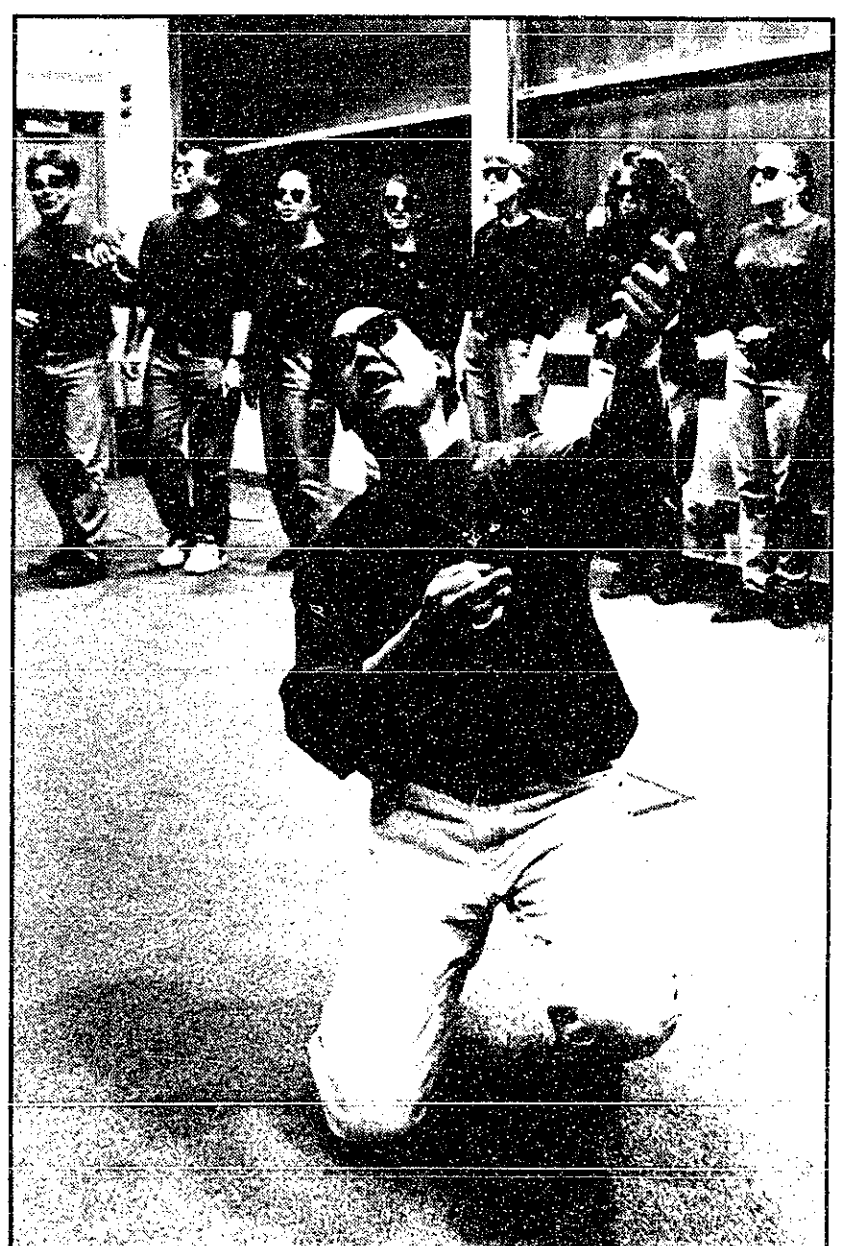
three were chosen beforehand to represent MIT. The winning team consisted of Henry L. Cohn '95, Alexandru Ionescu '95, and Andrew Przeworski '94. MIT received \$2,000 for the fourth place finish, and each team member won \$200.

Cohn said he was surprised by MIT's strong showing. "MIT doesn't tend to do that well. ... We really didn't expect to place in the top five," he said.

In addition, two other students finished among the highest individual contestants — Adam W. Meyerson '97 and Thomas A. Weston '96. Four others received an honorary mention rating — Cohn, Ilya Entin '95, David A. Friedman '97, and Ionescu.

"The exam was unusually hard this year, and I thought our team did very well," Rogers said. "I'm

Putnam, Page 11



SHARON N. YOUNG PONG—THE TECH

Richard N. Damaso '95 performs with the Chorallaries as part of their Saturday evening concert.

WORLD & NATION

PLO, Hamas Ready to Put Aside Rivalry to Govern Gaza

By Michael Parks
LOS ANGELES TIMES

GAZA CITY, ISRAELI-OCCUPIED GAZA STRIP

Putting aside a rivalry that once led to daily gun battles in the dusty streets here, the militant Islamic group Hamas and the Palestine Liberation Organization are coming to an understanding on how the region will be run as it emerges from Israeli control this week.

Built on compromises rejected out of hand only a few months ago, the deal pulls the two strongest forces in the Gaza Strip into a political partnership; it, in turn, could shape the new Palestinian Authority that will govern here and determine the success or failure of Palestinian self-rule.

Even before Israel and the PLO concluded their agreement on Palestinian self-government in the Gaza Strip and the Jericho District on the West Bank, many here had feared that the often bitter rivalry between Hamas and Fatah would flare into open warfare if Israel ever withdrew its forces.

"The dialogue between Fatah and ourselves was to resolve differences in the past and to prevent differences in the future," acknowledged Ibrahim Yazouri, another senior Hamas leader. "We want to avert the danger of in-fighting among our people."

But for Abu Khousah, Hamas has simply recognized political realities: The PLO's agreement with Israel on self-government will be implemented shortly and those who do not participate in running the Palestinian territories will be left behind. "From the moment they realized that a solution was coming, they began to search for their place in it," he said.

NATO Blocks Serbs' Effort To Take Guns

By John Pomfret
THE WASHINGTON POST

SARAJEVO, BOSNIA-HERZEGOVINA

A NATO jet buzzed a Bosnian Serb platoon trying to retrieve heavy weapons from a U.N. weapons depot outside Sarajevo early Monday, scaring the Serbs away, U.N. officials said.

The sole fighter-bomber ended the four-hour standoff during which Serb troops were attempting to take back their weapons, handed over to U.N. troops in February under a NATO ultimatum, said French navy Cmdr. Eric Chaperon, spokesman for the U.N. command here.

Serb forces in Bosnia have been subjected to a series of such "tests" since NATO issued two ultimatums to the Serbs, one on Feb. 9 forcing them to end their 22-month-long bombardment of Sarajevo, and the other on April 22, ordering them to stop their assault on the Muslim enclave of Gorazde in eastern Bosnia.

Chaperon said Monday that about 100 Serb militiamen are currently occupying the hamlet, Zupcici, adding that U.N. forces consider that deployment intolerably high. The Serbs call the militiamen "policemen." Members of the Serb militia or police were not mentioned in the NATO ultimatum. However, Chaperon acknowledged that the militiamen were not engaged in crime fighting but rather were staking a claim to that territory.

U.S. Conducted Radiation Tests On Stillborn Babies in '50s

By Gary Lee
THE WASHINGTON POST

WASHINGTON

U.S. government researchers conducted radiation tests on stillborn babies in Chicago during the 1950s, the Department of Energy reported Monday, in the latest revelation about the widescale use of humans in Cold War experiments.

In the Chicago tests, scientists cremated 44 newly deceased infants and measured the amount of strontium 90, a radioactive substance, in the remains. Parents were probably not notified or asked permission for the use of their children in the experiments, according to DOE officials familiar with the case.

The tests were part of Project Sunshine, a massive study conducted by the Atomic Energy Commission, a forerunner of DOE, to determine the longterm effects of nuclear radiation fallout on humans. Strontium 90 is among the radioactive particles that typically linger in the body following nuclear weapons tests.

The release of long-classified information about the Chicago Baby Project — following recent reports about the use of mentally retarded teen-agers, ethnic minorities and other disadvantaged groups in radiation tests — raises new questions about what ethical standards the federal government used in its conduct of Cold war research.

WEATHER

A Rainy Future

By Michael C. Morgan
STAFF METEOROLOGIST

High pressure will dominate the weather for the next 24 hours. As the high pressure cell moves offshore, winds will become southerly and moisture from the Atlantic and Gulf State will move into the region. A rainy period is anticipated through week's end.

Today: Mostly sunny and mild. High 60°F (16°C).

Tonight: Partly cloudy and cool. Low 40°F (4°C).

Wednesday: Increasing clouds. High 65°F (18°C).

Wednesday night: Cloudy with rain and rain showers arriving. Low 44°F (7°C).

Thursday: Cloudy with rain and rain showers, High around 54°F (12°C). Low 46°F (8°C).

Mandela Wins Free Election, De Klerk Ready to Cooperate

By Bob Drogin
LOS ANGELES TIMES

JOHANNESBURG, SOUTH AFRICA

Nelson Mandela, the enduring symbol of the anti-apartheid struggle and the inspiration of a nation, claimed victory Monday night in South Africa's first free elections and urged both blacks and whites in this divided land to "loudly proclaim from the rooftops — free at last!"

In an emotional speech before an ecstatic crowd, the silver-haired leader of the African National Congress called the success of his political and racial revolution "a joyous night for the human spirit" and urged his still stunned country to "celebrate the birth of democracy."

"I am your servant," Mandela told a hotel ballroom packed with cheering supporters, many of whom were hunted and imprisoned as terrorists, saboteurs and enemies of the state by the racist white rulers in Pretoria less than five years ago. "I stand before you humbled by your courage, with a heart full of love for all of you."

Mandela, 75, was hoarse from a cold, and his face appeared puffy. He said his doctor had ordered him to rest for two days and use his voice sparingly. "I hope you will not disclose to him that I did not obey his instructions," he joked.

But he finished his speech with a beaming grin and returned a few moments later to perform an impromptu dance on the stage as a majestic choir sang his praises and the crowd ululated and swayed to the irresistible African rhythm. Balloons in the ANC colors — black, yellow and green — cascaded from the ceiling.

And soon the township streets of Soweto and Alexandra, where millions of poor blacks have finally won the vote and their liberation, were filled with celebrating crowds.

Although less than half the ballots have been counted, Mandela's ANC has taken a commanding lead after last week's unexpectedly peaceful elections. Mandela is to be elected president by the new National Assembly on Friday in Cape Town and formally inaugurated as the nation's first black president next Tuesday morning in Pretoria.

The current president, Frederik W. de Klerk, will officially step down then, and the formal transfer of power from the white minority to the black majority will be complete. De Klerk will work as one of two vice presidents under Mandela, a fitting symbol of the titanic shift of authority here after 3½ centuries of white rule.

De Klerk conceded defeat early Monday evening in a gracious speech that offered "congratulations, good wishes and prayers" for his rival. "I hold out my hand to Mr. Mandela in friendship and cooperation," he told several hundred supporters, many of them weeping, at his party offices in Pretoria.

De Klerk pledged to continue the policies of reconciliation that led him to release Mandela from 27 years in prison in February 1990 to help dismantle the institutions of apartheid and to begin the negotiations that led to universal suffrage and last week's historic elections.

"During the last four years, we have proved that we can work together," de Klerk said of Mandela. "Despite our differences, our relationship has become a symbol of the ability of South Africans from widely different backgrounds to cooperate in the national interest. This spirit will be essential to the success of the government of national unity."

De Klerk, who shared last year's Nobel Peace Prize with Mandela, attempted to reassure the whites

who still make up the bulk of his once-all-white party's support. "Just as we could not rule South Africa without the support of the ANC and its supporters, no government will be able to rule South Africa without the support of the people and the institutions that I represent," he said.

But he added that the country finally had a government that represents its 40 million people. "After so many centuries, all South Africans are now free," he said.

With about 46 percent of the estimated 22.7 million votes counted since Saturday morning, the ANC had 63.5 percent of the tally to 23.2 percent for de Klerk's National Party. Zulu Chief Mangosuthu Buthelezi's Inkatha Freedom Party was a distant third with 5.9 percent, followed by the white-supremacist Freedom Front at 2.8 percent; other parties divided the remainder of the vote.

The ANC appeared likely to win eight of the nine new provinces, in some areas capturing more than 80 percent of the vote. After an especially bitter local race, the National Party held a strong lead over the ANC in the Western Cape region around Cape Town. The province has a majority of mixed-race "colored" voters and the National Party successfully played on their fears of black rule.

The ANC trailed Inkatha in KwaZulu and surrounding Natal province in early returns, but votes from ANC strongholds in urban townships around Durban had yet to come in.

It was still possible the ANC would reach its stated goal of winning two-thirds of the vote. It had hoped to gain a clear constitutional majority in the 400-member National Assembly to write a permanent post-apartheid constitution without compromising with other parties.

Medicare Savings Not Enough To Fund Clinton's Health Plan

By Robert A. Rosenblatt
and Dwight Morris
LOS ANGELES TIMES

WASHINGTON

President Clinton proclaims it as his crusade for 1994: to guarantee that every American, sick or well, working or jobless, will be insured against the ravaging costs of health care. And he says he can pay for a hefty share of it by slicing \$118 billion from Medicare spending over the next five years.

But Medicare itself is out of financial control, headed for bankruptcy within seven years unless it is radically reformed, the system's trustees warned in a gloomy report last month.

A special Los Angeles Times investigation, which largely supports the trustees' report, demonstrates the dangers facing Clinton if he tries to rely on Medicare to pay for his vision of universal health care coverage.

Spurred by breathtaking advances in medical technology and consumer demand for state-of-the-art care, Medicare outlays have exploded at an average rate of 15 percent a year since the program went into effect in 1966. Runaway spending has made a mockery of cost-control efforts by Democratic and Republican administrations alike.

"We have real questions whether it is possible to reduce Medicare spending by \$118 billion without seriously hollowing out the program and almost leaving it as a shell,"

said Martha McSteen, president of the National Committee to Preserve Social Security and Medicare, a lobby of 6 million senior citizens.

More than that, Medicare's own financial history casts doubt on the administration's prediction that universal health care coverage would be only a modest burden on the Treasury. Medicare, which began with outlays of \$3.4 billion in 1966, exploded to \$147.7 billion in fiscal 1993, a nearly tenfold increase even after adjustment for general consumer inflation.

That makes Medicare bigger than all federal spending programs except defense and Social Security.

In 1983, in an effort to prevent hospitals and doctors from seeking unlimited Medicare reimbursements, Congress imposed a system of fixed payments depending on the diagnosis. This slowed the growth of spending somewhat, but many surgeries were shifted from hospitals to outpatient clinics, where they were not covered by fixed fees.

Congress also tried to slow spending on doctors by freezing their fees, but the medical profession responded by increasing the volume of required office visits and procedures.

Medicare is clearly a victim of its own success. It has brought an unlimited range of doctors and hospital treatments to 32 million Americans over the age of 65 and 4 million disabled people of all ages.

Thanks in no small measure to Medicare's inception in 1966, the

elderly's share of the total population has mounted from 9.5 percent then to 12.6 percent now.

But population growth accounts for only a fraction of the 15 percent annual growth rate in Medicare spending since 1966. To explain the rest, most experts point to massive leaps in medical technology and to the demand by patients and their families for the latest array of tests and operations regardless of cost — after all, the taxpayers pick up most of the tab.

About 800 out of every 1,000 people enrolled in Medicare received some services in 1992, an increase from 633 just a decade ago. And even after adjusting for inflation, the amount spent on each beneficiary rose from an average of \$2,216 in 1985 to \$3,624 in 1992, according to a commission created by Congress to study Medicare.

The volume of hospital diagnostic tests under Medicare mushroomed from 2 million in 1980 to more than 8 million last year. The sophistication of treatment is sending costs out of sight.

"The real driving force is what we broadly call technology," said William P. Pierskalla, dean of the University of California, Los Angeles' Graduate School of Management. "You have to train people to use the machines, a whole new group of technicians and specialists."

"I'm very pessimistic that we can control costs with this system," Pierskalla said. "The demand for health care is almost insatiable."

Defense Secretary Warns Against Possible Korean Military Conflict

By Art Pine
LOS ANGELES TIMES

WASHINGTON

The Clinton administration, concerned its diplomatic effort with North Korea is producing only meager results, is moving to prepare the public for rising tensions in the area, including the possibility of military conflict.

Defense Secretary William J. Perry said Monday he will make a major speech Tuesday outlining the situation in Korea in an attempt to lay the groundwork politically for possible intensification of the year-old confrontation between the two sides over nuclear capability.

Although Perry is expected to call for continued diplomacy — rather than immediate U.S. military action — to persuade North Korea to comply, he said tensions could escalate quickly and he wants to be sure Americans are aware of “what

the national security issues are.”

He specifically cautioned that the United States could face military conflict if the allies ultimately decide to seek U.N. economic sanctions against North Korea, whose leaders have warned they would regard any such step as an “act of war.”

“We might have to go to sanctions, and sanctions do increase the risk of a military confrontation,” he said in a breakfast session with reporters and editors of the Washington Bureau of the Los Angeles Times.

Perry’s remarks came as officials disclosed that the United States has given North Korea a new series of proposals for resuming broader diplomatic negotiations between Washington and Pyongyang — talks that North Korea has said it wants as part of a longer-term settlement.

Last week, North Korea rejected

demands that inspectors be allowed to test the spent fuel rods scheduled to be removed this month from its reactor at Yongbyon. The test is necessary if inspectors are to tell whether the rods are being reprocessed for use in nuclear weapons.

Perry said one turning-point in the situation could come as early as mid-May, when the International Atomic Energy Agency, which oversees such inspections, declares formally whether Pyongyang is complying with demands to allow inspectors access to the spent fuel rods.

“If it’s not successful, then the next diplomatic step would be to go for sanctions (which) would probably be applied in successive stages,” he said. He reiterated that if the United Nations did not go along, the United States and its allies might impose sanctions on their own.

Rwandan Commander, Relief Workers Prepare to Handle Fleeing Refugees

By Keith B. Richburg
THE WASHINGTON POST

RUSUMO FALLS BRIDGE,
RWANDAN-TANZANIAN BORDER

The Rwandan rebel commander was angry. He had heard a short-wave radio report that his guerrilla organization had sealed off Rwanda’s border with Tanzania, trapping as many as a quarter-million people who wanted to flee the country’s ethnic carnage. The commander wanted to set foreign journalists straight.

“They said we are blocking people who want to run away from this place,” the commander said. “This border is not closed.” Look around, he told the small group of reporters at the bridge. Indeed, there was no one in sight, except for troops of the rebel Rwandan Patriotic Front lounging on one side of the bridge and Tanzanian soldiers on the other.

Since April 6, when President Juvenal Habyarimana, a Hutu, was killed in a plane crash that was blamed on a rocket attack, Hutus in the military and Presidential Guard, along with tribal militias, have killed thousands of Tutsi tribespeople, as well as Hutus suspected of supporting opposition political groups, according to witnesses and human rights groups. At the same time, the rebel front — dominated by Tutsis — renewed fighting with the military that began in 1990. In all, an estimated 200,000 people have been killed in less than four weeks.

Foreign relief officials said they are discussing with the Tanzanian government ways of trying to collect the grisly debris before it becomes a major health hazard for Tanzania, part of which relies on the river for a share of its water supply.

But at the moment, everyone seems overwhelmed.

Relief workers say they are fortunate so far that the Rwandans who fled here seemed prepared for their exodus. “We’re not dealing with a very malnourished population,” said Sheila Wilson, of the Red Cross. But, she said, “it’s a time bomb.”

Even as they struggled to accommodate the Rwandans, many relief workers said they were concerned that reports of renewed fighting between Hutus and Tutsis in neighboring Burundi might presage a new refugee crisis, similar to one six months ago that brought a quarter-million Burundians into Tanzania, most of whom have since returned. “It’s very tense,” Krug said of the situation in Burundi. “It will probably explode in another week. If that happens, we’ll be completely overwhelmed.”

Serious Crimes in U.S. Dropped 3 Percent in '93, FBI Says

By Ronald D. Ostrow
LOS ANGELES TIMES

WASHINGTON

With Congress poised to enact the broadest anti-crime legislation in a quarter of a century, the FBI said Sunday that serious crimes reported to police dropped 3 percent last year, extending a decline that began in 1992.

The group of crimes that citizens fear most — violent offenses — went down 1 percent last year, reversing climbs of 1 percent in 1992, 5 percent in 1991 and 11 percent in 1990.

While dramatic slayings, resulting from an increase in firepower, may be only a small portion of total murders, they capture “a large portion of attention,” said Marcus Felson, a professor of sociology at the University of Southern California.

The decline in property crimes included 6 percent fewer burglaries and arsons, 4 percent fewer motor vehicle thefts and a 2 percent decline in larceny-theft. Cities with populations exceeding 1 million showed the greatest decline, 5 percent, while rural law enforcement agencies reported a 3 percent drop and suburban counties a 2 percent decrease, according to the FBI.

The Northeast posted the biggest drop in reported crime — 5 percent — as against 3 percent less in the Midwest and 2 percent less in both the West and the South.

Felson pointed out that the major changes in the U.S. crime rate took place between 1963 and 1980, and that changes since then have amounted to “zigs and zags at a high level. When crime rates have quadrupled, then 2 percent or 3 percent up or down after that is a kind of a distraction,” he said.

Mission to Chart the Moon's Surface Is A Success

By Kathy Sawyer
THE WASHINGTON POST

WASHINGTON

The Pentagon-funded robot spacecraft Clementine and her motley ground crew, operating out of a converted motor-pool garage in Alexandria, Va., have successfully completed a two-month mission to map the moon’s surface in unprecedented detail. Among the revelations are what scientists last week called an “astonishing” depth of 7.5 miles in one of its ancient basins — a record for the solar system.

The unlikely alliance of a few dozen military spacecraft engineers and civilian scientists has accumulated radar data, still being analyzed, that may reveal the presence of ice in a permanently shadowed spot at the lunar South Pole. They have surveyed the moon’s mineral composition, measured small variations in its gravity, provided new insights as to how its craters formed and deciphered new detail in that poetically barren crust.

Tuesday at 6:20 p.m. EDT, controllers will command the spacecraft to fire its rocket for four minutes and kick itself out of lunar orbit, loop back around Earth and head for its next target — the small asteroid 1620 Geographos — for a late-August rendezvous. Along the way, in July, the team hopes its cameras will observe the anticipated impact on the planet Jupiter of a train of comet fragments.

Graduate Student Council

General Meeting May 10
GSC office, 50-220. 17:30. Free pizza.

BBQ! The GSC and Ashdown House are having a free bar-b-que this Sunday, May 8 from 11-15 in the Ashdown House courtyard. Food, volleyball, and fun in the (we hope) sun.

All MIT graduate students are welcome to attend any GSC meeting. Or party.

Institute Committees

are your voice to the administration. Nominations are open until May 6th; look for a detailed ad in the Tech or come to the GSC office, 50-220 for more information.

Music of the Night

The GSC has subsidized tickets for *The Phantom of the Opera* August 25 and 27. Tickets are \$35 and \$20 and go on sale May 10.

Orientation Meeting

May 11, 17:00, 50-220. Free food.

Commencement
Do you have more tickets than you need?
Send email to gsc-request@mit.edu giving

- Number of tickets available
- Your course number
- Your email address
- Your phone number

and we will put this in /mit/gsc/INFO/tix.

Ticket Exchange:

Do you need more than you have?
On athena, attach gsc and read the file /mit/gsc/INFO/tix. This is a listing of people with extra tickets.



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The Tech (ISSN 0148-9607) is published on Tuesdays and Fridays during the academic year (except during MIT vacations), Wednesdays during January, and monthly during the summer for \$20.00 per year Third Class by *The Tech*, Room W20-483, 84 Massachusetts Ave., Cambridge, Mass. 02139-0901. Third Class postage paid at Boston, Mass. Non-profit Organization Permit No. 59720. **POSTMASTER:** Please send all address changes to our mailing address: *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029. Telephone: (617) 258-8324. FAX: (617) 258-8226. Advertising, subscription, and typesetting rates available. Entire contents © 1994 *The Tech*. Printed on recycled paper by MassWeb Printing Co.

Call for Reconciliation Between Student Ethnic Groups

We were disappointed to see continued misrepresentation of history in the Armenian Students Association's letter to the editor in last Friday's issue of *The Tech* ["Perceptions and Denials of History," Apr. 29].

We were upset to see continued allegations against the Turkish nation about an "Armenian genocide" and "Turkish expansionism" in letters submitted to *The Tech* by the Armenian Students Association. Although more Kurds and Turks were killed by Armenians and Russians during the 1914-1915 conflict in Eastern Anatolia, we prefer to get over the grievous incidents of the past and look to the future.

We would like to make some corrections to the claims made by the letter of the Armenian Students' Association. First, the comparison of the Turkish government to the Nazis is out of place as it was the state of Armenia that cooperated with Nazi Germany in World War II. On the contrary, Turkey has always been a haven for persecuted minorities in Europe. When Spanish Jews were nearly exterminated by the Spanish Inquisition, the Ottoman Empire granted these people political asylum and invited them to Istanbul.

During WWII, many Jewish and Polish citizens persecuted by the Nazis took refuge in Turkey. Some of these people are still living in Istanbul after the liberation of their countries. Additionally, many Armenians are currently living in Turkey.

To compare events of 1914-15 in the Ottoman Empire with Hitler's planned extermination of European Jews in WWII is a disservice to the memory of millions of victims of the Nazis whose only crime was to be born Jewish. German Jews were loyal citizens, in contrast to the Ottoman Armenians, large numbers of whom joined the invading Rus-

sians and served as a fifth column behind Ottoman lines during the ethnic cleansing of Turks and Kurds in the area.

As for the purported Hitler quotation on display, "Who today remembers the Armenian extermination?" the intent is clear. Link the "Armenian cause" to that of the Jewish victims of WWII, and you convince the public that the Armenian experience, too, must have been genocide.

Secondly, the information about the Martial Court Trials of 1920 in Istanbul presented in the last letter of the Armenian Students' Association is irrelevant to our case. It is true that the Prime Minister of the Ottoman Empire and some cabinet members were condemned to death, but the reason had nothing to do with Armenia or Armenians. They were found guilty for engaging the Ottoman Empire in World War I without parliamentary approval.

Around the same time, the British forces occupying Istanbul carried out exhaustive searches of the Ottoman archives, as well as those of other countries, in an attempt to substantiate Armenian allegations. After three years, during which 100 Ottoman military and political leaders were held in detention at Malta, the British Crown law officers dropped all charges: not only was there insufficient evidence to convict anyone of war crimes, there was no evidence to warrant a trial.

We obviously do not believe that the Armenian Students Association has any connections to any terrorist organizations. We aimed our condemnations at the small extremist groups in Turkey and Armenia that would support such barbaric people. Although Armenian organizations around the world continue to brainwash their young and support such savagery, we count on the Armenian Students' Association to prove that this is only a small group of fanatics by announcing their condemnation of terrorist organizations.

We leave it to the MIT community to judge the Armenian students' claim about the

innocence of the Infinite Corridor display they prepared. But we note here that the board was preoccupied with quotations that were either made up or taken out of context such as one from our founding father Ataturk, and that half the board had nothing to do whatsoever with the truly rich culture of Armenia.

The last thing we want to see is an escalation of counterattacks between the groups. Our belief that no single group should and can be singled out for the atrocities committed in the region continues to hold: if there is a burden, then both sides will bear it. It is troubling to watch groups of young people offend each other because of something that happened seventy years ago, to people three generations past, and in a region of the world which none of them have probably seen. It is worrying to see whole generations of young Armenians committed to avenge some event whose very existence is questionable.

This is not right. As civilized individuals in a modern world, we should do everything we can to counteract the forces and temptations to bedevil those we should befriend. There is no reason why Armenians and Turks in 1994 cannot get along. Hence, in line with our policy to bring peace and prosperity to the region through friendship, on behalf of the Turkish Students Association we extend an invitation to all members of the Armenian Students Association at MIT to put our (or rather, our grandparents') differences aside and work on our similarities.

Nothing could be more important than the reconciliation of unjustified feelings and the establishment of a deep and meaningful relationship between the two communities as an example to others at MIT and around the world. We hope to see members of the Armenian Students Association at MIT work with us towards a more peaceful future for our countries.

Tolga I. Uzuner '94,
Umit E. Kumcuoglu '94

No Butts about It, Smoking Needs To Go

Column by Michael K. Chung
OPINION EDITOR

What's so bad about limiting the rights of smokers? Americans are guaranteed the three so-called "inalienable" rights: life, liberty, and the pursuit of happiness. However, disputes evolve when one's pursuits of happiness conflicts with those of someone else. Such is the case with smoking — secondhand smoke just isn't healthy for anyone else, and because it isn't, smoking should not be allowed anywhere where it can potentially harm another without their consent.

Smoking does nothing beneficial for those who smoke. It may, however, make one appear glamorous and "cool" to those with whom one associates, which is why a lot of teenagers start smoking during high school. And while smoking might make people feel "relaxed" and more mellow, I simply feel that it is rude for one to smoke in the presence of others without their consent.

If you want to smoke, fine — just smoke in the privacy of your own home, not outside of it. And don't go crying to the U.S. government to pick up your health care costs if you get develop cancer, asthma, bronchitis, emphysema, heart disease, or other maladies.

Currently, one debate focuses on smoking in the workplace. Many companies are eliminating smoking in the office; some are even choosing non-smoking candidates over equally qualified smoking candidates, as well as cutting down health care benefits for those who do smoke.

While this may be construed as unfair, it

actually seems quite reasonable. Why should an employer pay for additional health insurance costs for someone who smokes and is informed about the risks of smoking? One who smokes should be somewhat knowledgeable about the costs (health and financial) of smoking. If one is not aware, then one should not smoke.

The proposed idea of affixing a \$1.25 tax to each pack of cigarettes to help finance health care reform will not solve problems, though. In fact, it sounds hauntingly like Social Security — "put your money where we, your aging and cancerous congressmen, can use it to pay for our own health care costs, and not leave you with a single red cent."

What upsets me is the blatant disregard and ignorance of smokers in the presence of others. If I see someone lighting up, it shouldn't be my responsibility to ask him to extinguish his cigarette, pipe, or cigar. Rather, it should be his responsibility to ask the people around him if it is okay for him to smoke. If he does not want to bother, then he should seek a private place to smoke.

Certainly a complete and sudden ban on smoking will create widespread controversy and be practically impossible to impose. The tobacco industry is a much too large and established institution to eliminate altogether. Also, medical doctors may protest that people should be allowed to smoke so that money can be earned from treating their diseases. Then of course, the people of America will argue incessantly over their right to smoke.

I am not calling for such a ban, but a

reduction in the consumption of tobacco products in public and work places, as well as a change of attitude in the smoking population. Smokers must be more mindful and aware of those around them.

If some people truly cannot live without smoking, then let them smoke. But allow them to smoke only in their homes (or approved isolated smoking sites), pay for their own health costs, and respect the air and health of others.



Opinion Policy

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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 p.m. two

days before the date of publication.

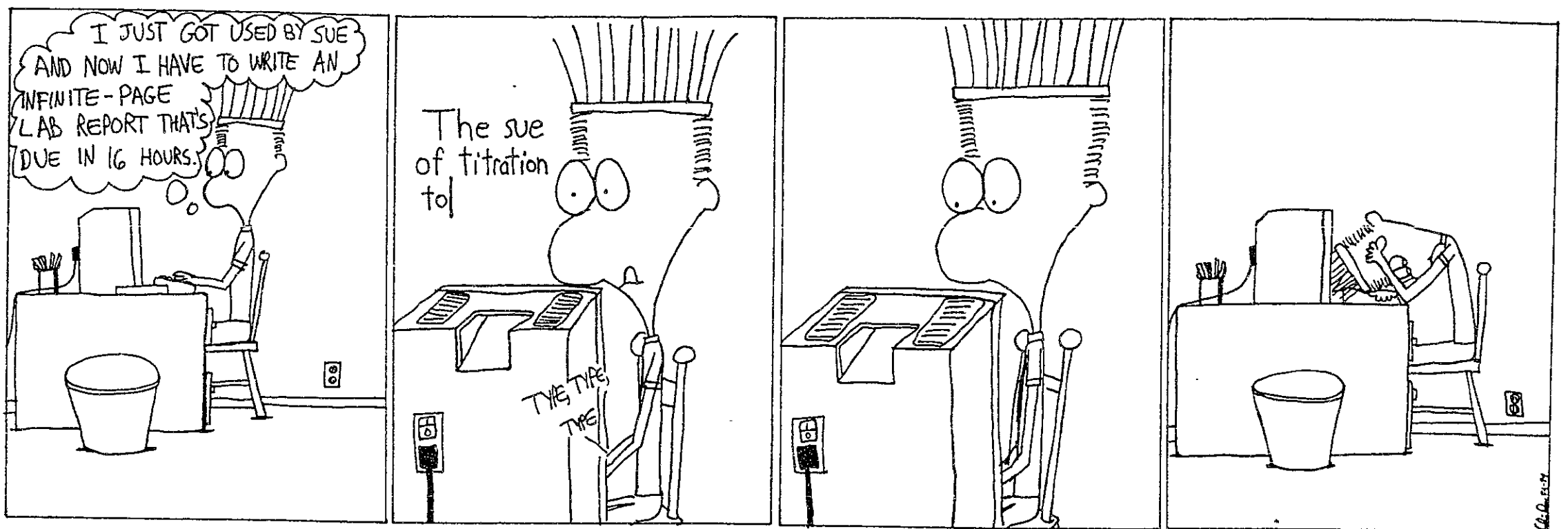
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Nick


By Chris Doerr



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Metal Detector Proposal Initiated by Past Stabbings

Detectors, from Page 1

required for other events at the discretion of the chief of Campus Police, according to the draft proposal.

These events would also require a Campus Police officer to be present at the group's expense. The officers would train the event organizers to operate the machines, according to the proposal.

Event organizers can also request to have metal detectors if their parties do not fit the criteria, and organizers for events that do fit the criteria can request an exemption from the policy, according to the proposal.

Independent living groups could also ask for use of the metal detectors, Glavin said. The difficulty may arise when many functions occur simultaneously, and the Campus Police cannot accommodate all the requests, she said.

Past cases prompted proposal

Glavin initiated the metal detector proposal, and her concern stemmed from violent actions that have occurred at MIT in the past, such as the stabbing at Delta Kappa

Epsilon in 1992 and the stabbing at a party in the Student Center in 1991.

"Today, unfortunately, people are carrying weapons more often and resorting to them for settling disputes all too quickly," Glavin said.

Glavin said she is not aware of other universities in the immediate Boston area which offer this type of service, except during special occasions. The University of Massachusetts at Amherst does use metal detectors to screen party-goers, she said, and Northeastern University occasionally uses them.

Currently a committee which includes representatives from the Campus Police, RCA, CAC, the Dormitory Council, the UA, the Graduate Student Council, and the Interfraternity Council are gathering student input and revising the proposal, Godfrey said.

Program may be unnecessary

In general, students said that mandatory use of metal detectors at parties would not be effective. Social chairs at MacGregor House, Burton House, DKE, Delta Tau Delta, and Phi Sigma Kappa were

interviewed last night, and all said that the program is unnecessary.

"I think that if Campus Police were made more available and cheaper, that would be more effective," said Robert C. Rosenfeld '94, head social chair at DKE. "This is overkill. Even if someone had a knife, there would be no way we could take it off him. It would be more likely to start something," he said.

"This may be a naive point of view for me to have, but I don't think that we would attract the type of people that would carry handguns," said Esther S. Dutton '96, co-social chair at MacGregor. "If I had the decision, I would put money into Safe Ride or having actual human beings there to protect students," she added.

Other students also disagree with the proposal.

"I think that it is a waste of money because they're trying to address a problem that doesn't exist," said Alan A. Duros '94. "They should put their efforts to more immediate concerns such as the failing food service situation in dorms," he said.

Though the current proposal calls for requiring metal detectors at on-campus student parties and dances, "it may be more appropriate for a fraternity party environment if at all," Duros said.

"It's a waste of money," said Eleni C. Digenis '94. "Parties are restricted to MIT or college students. They're not open to random people off the street," she said. "There's a whole bunch of things that would set [a metal detector] off so people would end up turning it off or going around it," she added.

The committee is considering a reform in the alcohol policy to accompany the proposal requiring metal detectors, Godfrey said.

(Sarah Y. Keightley '95 contributed to the reporting of this story.)

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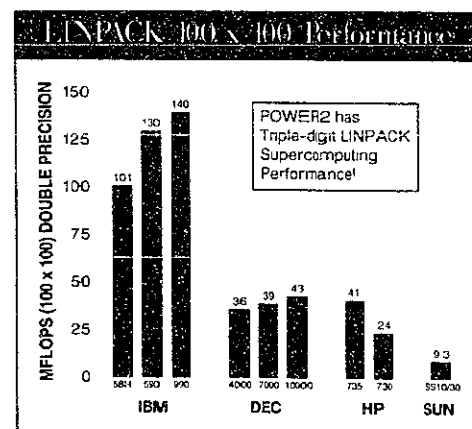
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by Jim

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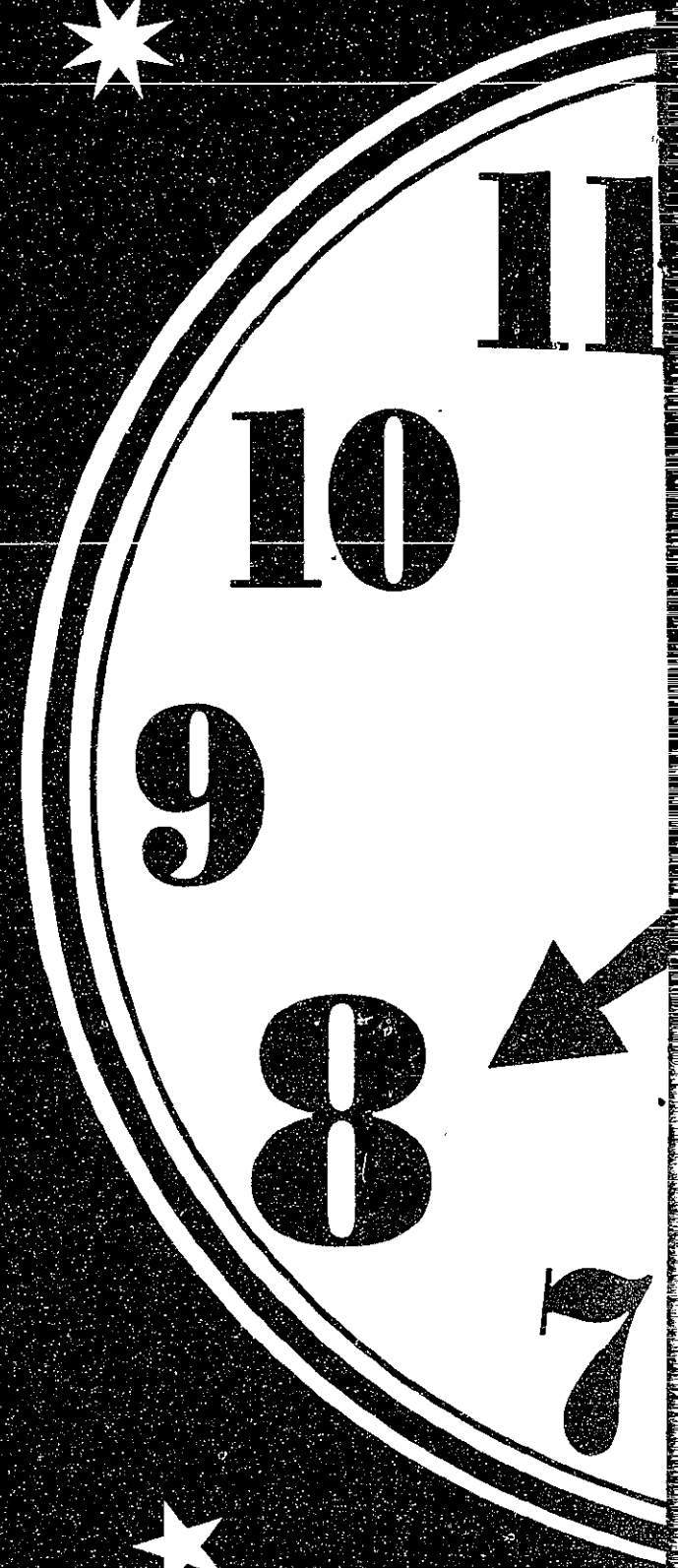
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Application materials are available in the GSC Office or at the GSC bulletin board in the Infinite Corridor. **The application deadline is this Friday, May 6.** Questions? Contact Chris Gittins, cgittins@mit, or Stan Reiss, sjreiss@mit.



The second novice boat from MIT won against Simmons College this past Saturday to remain undefeated over the course of the season.

Professors Take on as Many UROPs Despite Budget Woes

UROP, from Page 1

good idea about what was going to happen, he said.

In addition, most chemistry professors chose to split the cost of hiring a UROP student with the UROP office to alleviate the pressure on the UROP office to provide full funding, Stewart said.

Stewart was pleased with the results. "I saw a lot of new professors take UROPs," he said. "Everyone tried to help as best they could."

Assistant Professor Lones A. Smith, UROP coordinator for the department of economics, noted that the department has received about 50 percent more proposals this summer than last summer. Smith expects the acceptance rate to be higher than last year's. He attributed the rise to an all-time high number of junior faculty in the department, who traditionally hire most of the UROP students.

Some students still searching

While most departments are greeting the UROP summer term with guarded optimism, students' prospects are far from rosy. Many students will continue the search for UROPs into the early summer term.

"My search had its ups and downs," said Richard T. Chang '97, who was not able to find a UROP by the new deadline, but is still looking. "My plans now are to get an interesting, worthwhile volunteer UROP while taking a part-time

library job the rest of the time. Hopefully that'll cover the cost of room and board," he said.

"I don't know if it's going to work out that way or not, though," said Chang, who is aware of other students in the same situation. "I'll look [for a UROP] until the deadline to cancel summer housing," he said, "if I don't find anything by then, then I will go home."

Fall prospects more bleak

While the one-time contribution of \$1 million will ease the summer budget crunch, prospects for the fall term are dim.

"For the most part, I will say that more people will probably apply for full funding," Stewart said. While the new requests for the fall term will put further stress on UROP funds, Stewart believes that lower fall funding limits — \$900 per student in the fall compared with \$3,300 in summer — will help ease the strain. In addition, he expects more students will take UROPs for credit and avoid the intense competition for UROP office funding.

"My guess is that the faculty are not going to be hiring as many UROPers — there's just not enough money," Vezza said. Faculty will have to "work on clever ways of funding students... if not through the UROP program, then under other programs," he said.

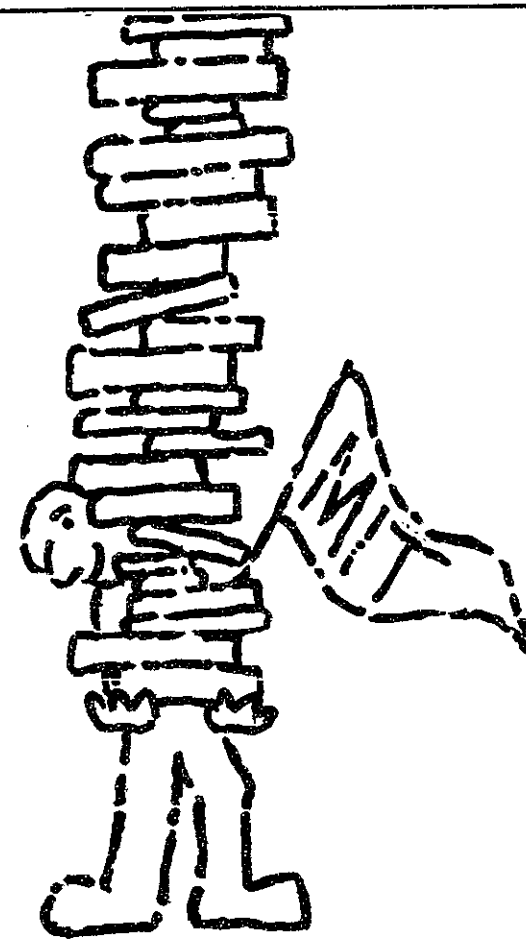
Professor of Earth, Atmospheric, and Planetary Sciences James L. Elliot suggested exploring other

research programs. For example, programs such as the National Science Foundation's Research Opportunities for Undergraduates Program, provide "one very big opportunity," he said.

At any rate, "The main goal is to get the students involved in our activities and to provide them with the funds," Vezza said. "So if you find a way [to get funding] that's legitimate, we'll employ it."

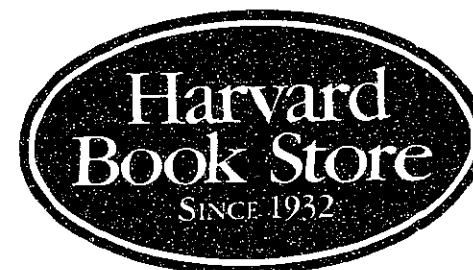
"Let's hope that things will look good, and we'll be optimistic if we can," said Professor Gene M. Brown, the UROP coordinator for the biology department. "[UROP] is a very important area, and we'll try to take care of everyone," he said.

"You have to look at [UROP] as part of a learning experience for the undergraduates," he said. "That's what makes MIT a rich environment."



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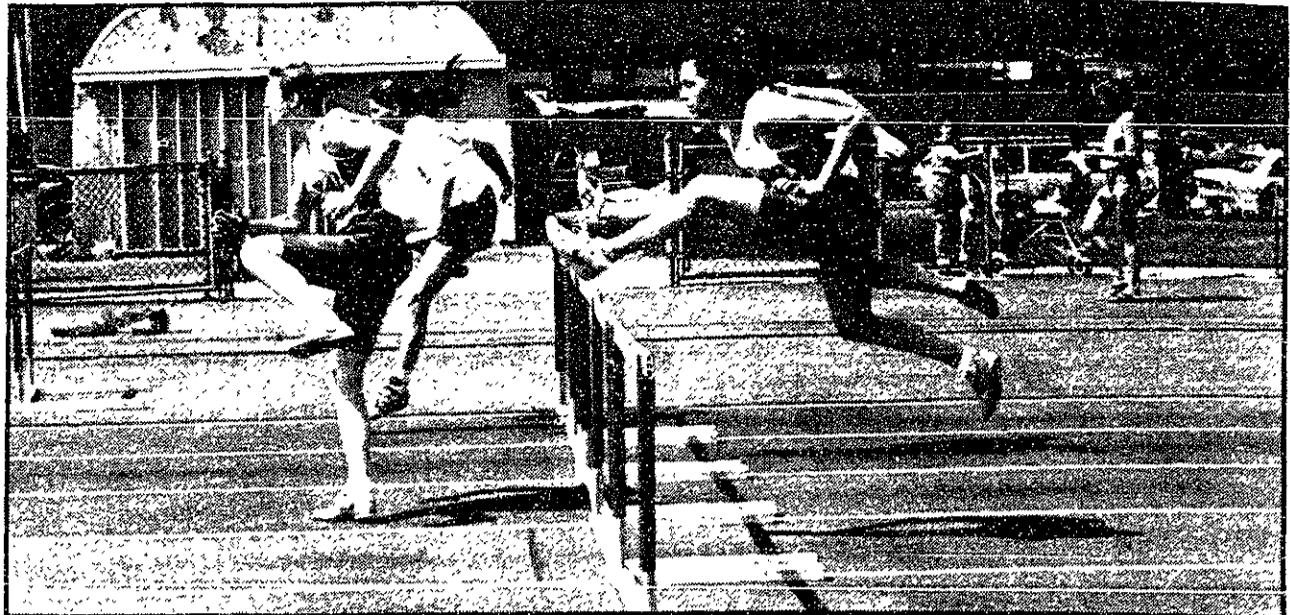


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Mary Hamilton '97 crosses a hurdle in the 100-meter heat at Saturday afternoon's track meet.

SHARON N. YOUNG PONG—THE TECH

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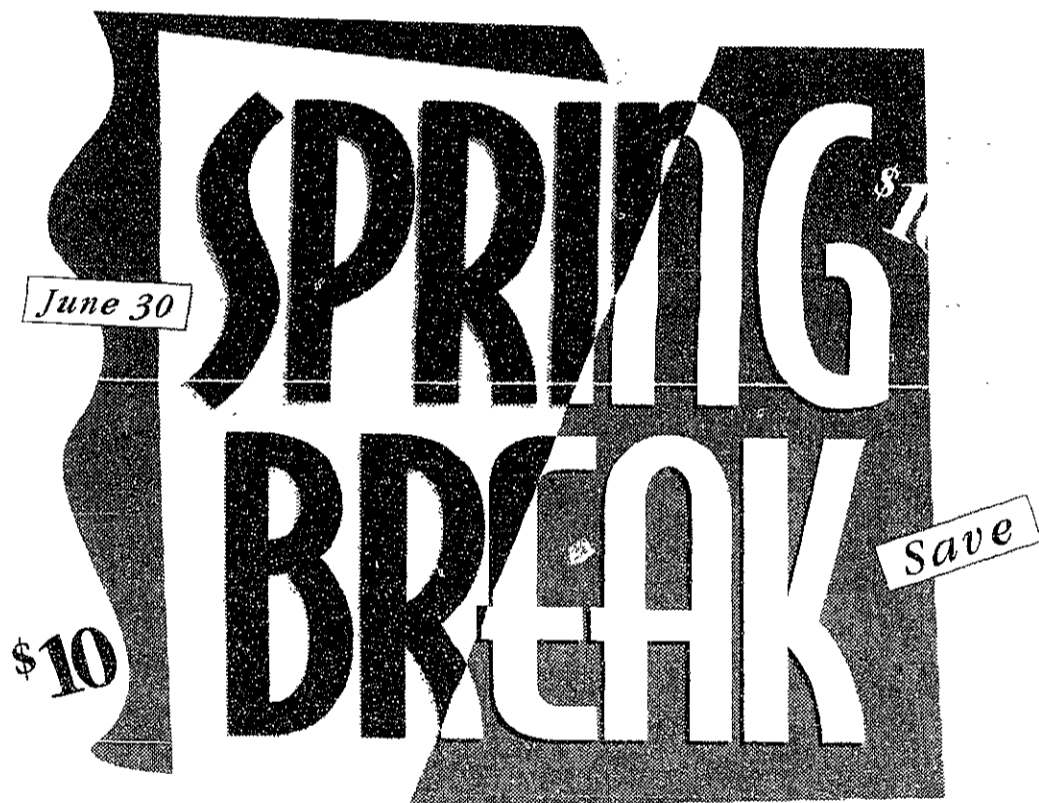
April 23: Baker House, \$20 stolen.

April 24: Bldg. 11, suspicious activity; Du Pont Gymnasium, backpack and contents stolen, \$29.

April 25: Kappa Sigma, student problem; Bldg. E19, \$500 cash stolen; Ashdown House, vandalism; Memorial Drive, Campus Police assisted state police with a child abandoned in a car for an extended period of time; Tang Hall, student problem; Senior House, domestic abuse.

April 26: Bldg. W11, contractor's equipment stolen, \$400; Bldg. 26, suspicious activity; Bldg. 4, suspicious activity.

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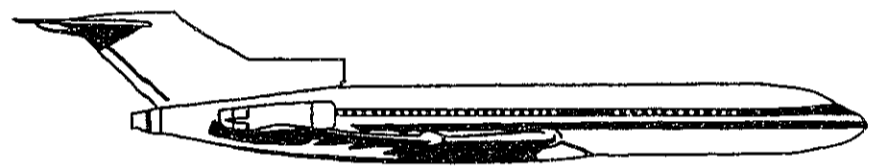
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MIT Improves Putnam Scores

Putnam, from Page 1

actually very pleased about that.”
 The Putnam is divided into two three-hour exams, with six questions on each part. Full credit on a question earns 10 points, with a total of 120 points possible. While the top individuals usually score around 90 or 100, the median score is about three, Rogers said. This year, the highest score was in the 80s, he said.
 The team score is determined by adding the ranks of each of the three

team members, and the team with the highest score wins.
 Meyerson said, “I was kind of surprised at the range of problems. ... There were a couple of problems that seemed really easy.”
 Cohn said that most of the problems do not require a large background in math, but Rogers added that “they involve some careful proofs.”
 “I think that the MIT performance has been improving in the past two years,” Rogers said. He

added that the special seminar he and Professor of Mathematics Richard P. Stanley teach has helped individuals’ performance.
 “Anybody can take the exam that wants to,” Rogers said. But “usually the team is made up of the people who did the best the previous year.”
 Meyerson added, “My goal was to be the best at MIT. I wanted to do at least well enough that I was better than someone on the team.”
(Daniel C. Stevenson contributed to the reporting of this story.)

Sample Putnam Question

Question B-6:

Let S be a set of three, not necessarily distinct, positive integers. Show that one can transform S into a set containing 0 by a finite number of applications of the following rule: Select two of the three integers, say x and y where $x > y$, and replace them with $2x$ and $y-x$.

Out of the top 207 contestants, only two received a perfect score of 10, and three others received a score of one or two. The answers are posted outside Professor Hartley Roger's room in 2-249.

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5:30 P.M.

Student Center Room 407

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 Marino D. Tavarez, MITCSS Commissioner
 MIT Rm. 20B-131, Messages: 262-9032



HELEN LIN—THE TECH

A high school student participating in the Massachusetts State Science Fair describes his hydroponics project to two children.



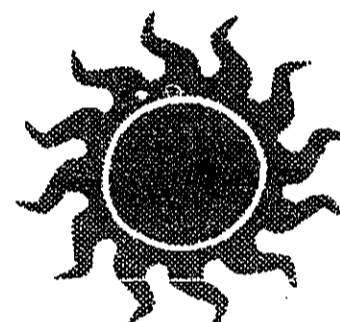
HELEN LIN—THE TECH

Adrian P. Childs '95 performs *The Concertino* with the MIT Concert Band in honor of its 45th anniversary. The concert was held in Kresge Auditorium on Saturday.



SHARON N. YOUNG PONG—THE TECH

Damon McCormick '93 sings in his final concert with the Logarithms Saturday evening in 10-250 (right). Marianne Lariof '94 solos with the Muses, singing the third song of the evening, “Winter.”



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THE ARTS

Dramashop serves food for thought with *F.O.B.*

F.O.B.

Directed by Kim Mancuso.
Written by David Henry Hwang.
Starring Eugene Chiang '95,
Monica Gomi '94, Jose Sia Jr. '95.

By Adam Lindsay
STAFF REPORTER

Dramashop's major spring production is, as can be expected, an excellent, well-presented, and thoughtful production of a thought-provoking play. *F.O.B.* (or, Fresh Off the Boat) is Abramowitz Lecturer David Henry Hwang's first play, written when he was a college senior. As such, it displays some flaws and inconsistencies, but it remains a remarkably rich work from which the director and small cast draw much meaning.

The work is set in the back room of a Chinese restaurant and is structured about a simple plot in which Steve (Eugene Chiang '95) pursues Grace (Monica Gomi '94) for a date. Grace must decide between the slightly overbearing and awkward, yet appealing, immigrant (F.O.B.) and her second-generation cousin Dale's (Jose Sia Jr. '95) prejudiced advice to stay away from any F.O.B. Within the basic structure, Hwang explores many issues, first turning it into Grace's choice between traditional Chinese and modern American ways. Grace must also come to terms with the injustices she perceives her immigrant family as suffering.

After seeing the show, I joined five other MIT theater aficionados for a discussion of the play and some Chinese food (due to an inex-

plicable craving). Although we had all enjoyed the production immensely and found it full of meaning, none of us, even in discussion, could put all the pieces together into a satisfyingly consistent whole.

The beginning of the play was dominated by monologues, first by Dale, addressing the audience and giving his prejudiced definition of a stereotypical F.O.B. Although this monologue is clear, those that followed, where Steve sometimes claimed to be Gwan Gung, a Chinese warrior god, and sometimes channeled the deity, are not so clear. My dinner mates and I couldn't always pick out which times were which. Likewise, Grace's soliloquies, in which she likens herself to a fictional female warrior, are unclear in that some didn't know when they were an aside to the audience or shared with Steve.

No matter what could or couldn't be divined from these mystical interludes, they are, on the whole, very effective. Sia's opening rap, in which he engages the audience with a resonant voice which begs to be put on stage, set up the play well. Whether channeling or not, Chiang and Gomi set apart their hero-identification with an air of wonder and magic. The often abrupt changes are also adroitly handled by the pair.

Having established that Grace and Steve, as first-generation immigrants, have much closer ties to their past than Dale, who denies almost all ties to China, the play proceeds to the body of the action. The threesome must navigate an evening with each other. Steve, somehow cogniscent of Dale's stereotypes, challenges him by putting on the airs of an

F.O.B., adopting accented, broken English, and mannerisms which only reinforce Dale's prejudices. Steve thus toys with the intra-race bigot while Dale seizes every chance to humiliate the F.O.B. before him. Grace barely tolerates this testosterone-filled showdown between two undesirable alternatives. Fortunately, Steve is only pretending; sadly, Dale isn't. It is no surprise, then, that Grace accepts Steve for who he is, a beautiful, thoughtful, first-generation immigrant much like herself.

The on-stage dinner was full of fascinating and entertaining interplay between the three. Chiang's adoption of the stereotype was both effective and funny. Sia was both charismatic and appropriately vile as the bigoted Dale. Gomi convincingly transmitted Grace's hapless position as the one caught in the middle.

The dinner conversation focuses much more on Sia's acting because it is the first time the audience sees him. He shows promise, though his inexperience is apparent in the final lines. Dale repeats his stereotype of an F.O.B., after having it turned on its head by Steve, and he blindfolds himself. It is a wonderful symbolic gesture from Director Kim Mancuso, but Sia's delivery is a bit heavy-handed. Gomi and Chiang shine in their parts, exhibiting much chemistry. Chiang in particular has matured, showing himself to be quite natural on stage.

The successes of this production have much to do with Mancuso's direction. Her strong concepts, such as having the actors never physically leave the stage during exits and realizing challenging elements in the script like the many varied soliloquies, immensely

boost the production. The framework is both stylized and accessible. Mancuso also makes clear David Henry Hwang's somewhat unpolished first attempt at drama, despite some lack of clarity at points in the script (why does Steve personify Grace's frustrations at how her parents were treated?). The flawless direction did its best with the slightly-flawed script.

The technical aspects of the show all support the action on stage. The set, designed by Jacqueline Brener '96, was basic but well dressed, and it immediately caught the attention of the audience. Amazingly, authentic Chinese restaurant smells also greeted the entering audience. The lights were effective in delineating the changes between action and soliloquy, but not always correctly focused on the action on stage. The inappropriately modern tape player used on stage was a minor, but slightly disturbing, anachronism in the production, considering that the diaiog had a late seventies feel.

Of special note is the novel program design. Not only are the Director's Notes effective in providing background for some concepts in the play, but junior Eddie Kohler's design is a wonderful parody of a Chinese restaurant's take-out menu.

Although one cannot fully digest all that is set on stage in Dramashop's excellent production, one still is left satisfied by the thought-provoking and entertaining feast. In any case, *F.O.B.* provides much food for thought. As we contemplated our dinner after the show, we realized that we couldn't identify all the specific ingredients, but we all agreed that it tasted good as a whole.

TOP TEN MOST BOGUS THINGS ON EARTH

1. Drugs.
2. Did we mention the pop quiz?
3. Referee in Professional wrestling.
4. Imitation cheese.
5. Lawn flamingos.
6. 1-900-DEBBY.
7. Pop quiz on Monday following major weekend.
8. "Do Not Remove Under Penalty Of Law" tags on mattresses.
9. Cars that can talk.
10. The Donut Diet.

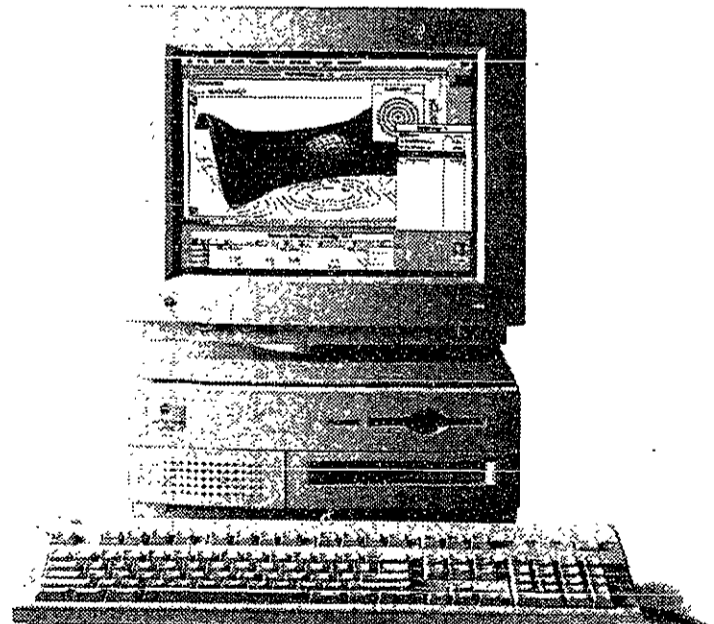
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Pink Floyd suffers a momentary lapse of originality

THE DIVISION BELL

Pink Floyd.
Columbia Records.

By Scott Deskin
ASSOCIATE ARTS EDITOR

Though diehard fans may object, the newest album from Pink Floyd, entitled *The Division Bell*, is not a product of nominal leader David Gilmour's musical "genius;" it is simply an attempt to recapture the group's superstardom of the '70s. The stylish symphonic structures and synthesizer elements that have become Pink Floyd's trademarks seem to overwhelm the music. The songs just aren't as good as most of their '70s output, or even *A Momentary Lapse of Reason* (1987), which at least could boast "Learning to Fly" as a radio-playlist highlight.

Part of the problem may be the band itself. With former bassist/songwriter Roger Waters having departed the band a decade ago (under unpleasant circumstances), guitarist David Gilmour has been forced to take up the slack. Gilmour (who shared many of the band's better-known songwriting credits with Waters, including "Wish You Were Here" and "Comfortably Numb"), is more talented as a musician than a lyricist, and many of *The Division Bell*'s songs are indistinguishable: the themes of ambivalence — sexual, emotional, and political — tend to go stale after prolonged listings.

The melodies are passable, and even a few lyrics are interesting, but it sounds as though the members of Pink Floyd are becoming too complacent for their own good. They are living off of their marketable past, which becomes quite apparent on some songs. "A Great Day for Freedom" is topical, which

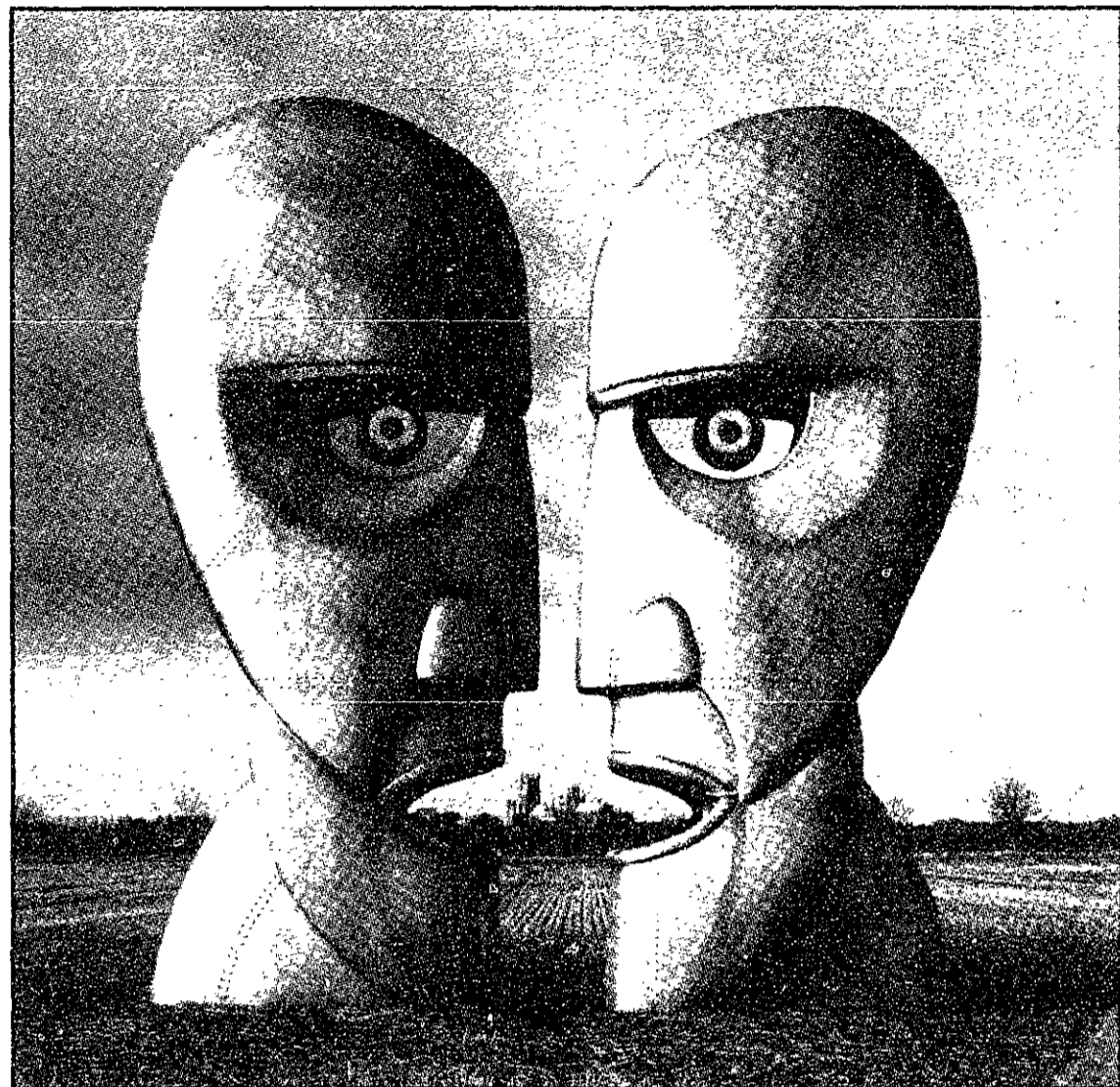
appropriates use of "the wall" (the Berlin Wall?) coming down to comment on the tide of a new world order turning from optimism to hypocrisy, but it doesn't really have much else to say. "Keep Talking," the first single off the album, uses a Stephen Hawking guest vocal to comment on the advent of mankind amidst a sinking relationship between two people, displaying the technological kitsch and female vocals that first surfaced on *Dark Side of the Moon* (1973). Sadly, the album (with considerably less success) falls prey to the atmospheric heaviness that opened and closed *Dark Side of the Moon*, and even lifts a whole chord progression in "High Hopes," the last song, from "Welcome to the Machine." It seems that the group has completed the metamorphosis from musical innovator to nostalgia act.

If it sounds like *The Division Bell* is a complete failure, it should be the reviewer's obligation to acknowledge the album for what it is: a musical effort from a "progressive" rock group which will serve as fodder for its summer tour. In an arena-like setting with huge speakers and laser exhibitions within the performance, it's likely that any fan of Pink Floyd (this reviewer included) would be willing to accept and appreciate the new cuts alongside the old classics. And it's probably unrealistic to see Pink Floyd issuing any revelatory rock experiences to their built-in audience. The aging remaining band members (David Gilmour, Nick Mason, and Richard Wright) have been successful for so long that they don't need to break any new ground to be hailed by their adoring public as pop icons.

All told, however, *The Division Bell* is a disappointment. The music will most likely strike old Pink Floyd fans as comforting and soothing, a throwback to the canny studio

effects and sweeping statements of the past. But for overall musical achievement, it's best to stick with *Dark Side of the Moon*, *Wish You Were Here* (1975, their best studio album), and maybe even the somewhat overblown musical concept of *The Wall* (1979). Whereas

those albums carried emotional resonance through the songs, the new album tries to work that formula in reverse by forging coherent songwriting through emotional concept — and fails. It's not a disgraceful performance, but admittedly a somewhat forgettable one.



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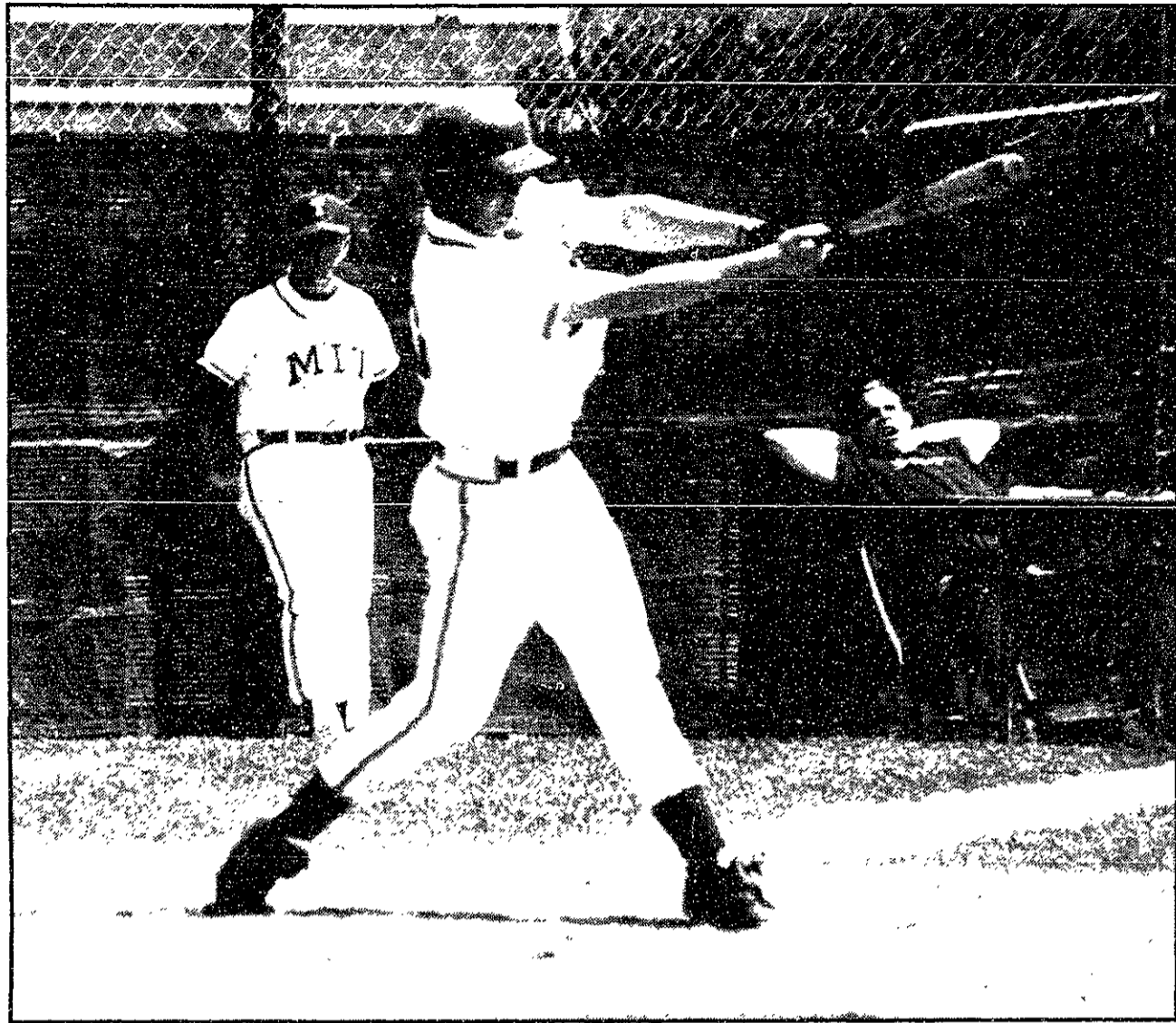
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For general information contact the HASS Information Office 14N-408, x3-4441.



JASON FLEISCHER—THE TECH

Designated hitter Rob Leopard '95 follows through to drive home a run in the top game of Saturday's doubleheader versus WPI.

UPCOMING HOME EVENTS

Tuesday, May 3
Baseball vs. UMass-Boston, 4 p.m.

Thursday, May 5
Men's Tennis vs. UMass-Amherst, 3:30 p.m.
Baseball vs. Curry College, 4 p.m.

All event dates, times, and locations are subject to change.

MIT Not as Strong In the Track Events

Track, from Page 20

for the discus throw to allow her to score a victory. Her hurl of 128'3" inches bested her own previous record of 127'7". Her feat allowed her a comfortable 11-foot margin of victory.

Prior to her record-breaking effort, Ratliff also placed fifth in the hammer throw, tossing the hammer 87'1". In this event, Worcester Polytechnic Institute showed dominance by sweeping the top three places. In doing so, WPI had the only three athletes at the meet to throw over 100 feet.

"I was very happy with my per-

formance," Ratliff said. About her form and technique on the discuss, she also said, "I have had some problems, but I managed to get everything together."

Later in the day, Jen Boyle '96 almost equaled Ratliff's feat as she won the shot put competition. Her heave of 37'1/2" tied her own existing MIT record. Ratliff became the top MIT performer of the day by taking second place behind Boyle, launching the iron ball 34'9-1/4".

At the high jump pit, Kristen Dalzell '97 and Heather Noyes '97 added points by finishing third and fourth. Dalzell delivered a nearly flawless performance before failing to clear a height of 4'8" and ended up with a final result of 4'6", not far behind the top two finishers. Noyes finished with a height of 4'4".

In the long jump area a few yards away, Noyes also placed sixth, leaping a distance of 13'6".

The Engineers did not have quite as many placings on the track as they did on the field. Agnieszka Reiss '95 earned the lone MIT victory, easily winning the 1,500-meter run. With the top two seeds not in attendance, Reiss led the whole way, leading by about 50 meters at the halfway point, then gradually increasing the lead. Her winning time of 5 minutes 8.3 seconds separated her from the second-place runner by more than 16 seconds.

In the 3,000-meter run, Marjorie Delo '95 also had chances to win. Throughout most of the race, she drafted behind Sharon Connelly of Mount Holyoke College, who had the fastest time of the season among the entrants. Delo stayed close behind, but on the final lap, Connelly increased her speed and managed to stay ahead until the finish line. Delo came in with a time of 11:0.9, a little more than a second behind Connelly.

Lauren Klatsky '97 also scored for the Engineers with a fifth place finish in the 800-meter run, with a time of 2:38.7. From the starting line, the positions of the runners did not change much.

Head coach Joe Sousa had positive things to say about the his team's performance. "Our athletes performed very well," Sousa commented. "There were many personal records."

Co-captain Ratliff agreed, pointing out her team's three wins. "We're not a very big team," Ratliff added, providing some explanation to the final result.

Ratliff also said, "People did their best and came through," to describe an aspect of the competition that the standings could not reveal.

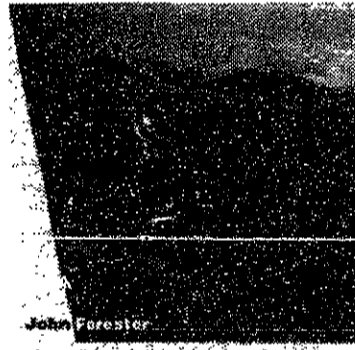
The NEW 8 event begins a series of championship events for the team. This weekend, some members of the team will compete at the New England Division III Championships, held at Tufts University. The following weekend, a select few will travel to Williams College for the Eastern Collegiate Athletic Conference Division III Championships. A week after the ECAC Championships, the Engineers hope to qualify at least one athlete to contend for national glory at the National Collegiate Athletic Association Division III Championships, held at North Central College.

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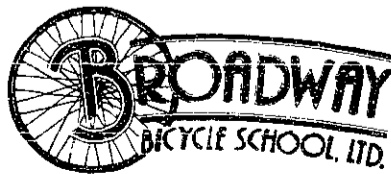
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Men's Gymnastics Places 6th Despite 2 Injuries

Gymnastics, from Page 20

The Engineers began on one of their highest scoring events, the vaulting horse. On this event, nearly all the competitors scored at or above an 8.0. Art Shtetman '95 scored an 8.0 when he stuck his handspring vault, while Manuel Jaime '94 edged him with an 8.1. Chikyung Won '94 landed a handspring half twist for a score of 8.15. The high flying Robert Cooper '97 with his handspring front dazled the judges and received an 8.5. The team was off to a great start, and the next event was about to begin.

The members once again focused themselves and mentally prepared themselves for the second rotation. MIT was on the parallel bars where gymnasts must show a multitude of variations. Won had some trouble with his first back toss, but regained his concentration and threw a second one close to perfection. Awed by the stamina and courage of the gymnast, the judges awarded him with a 6.85.

Scott "Lazer" Lazerwith '95 once again showed that strength is his forte. With a beautiful one arm handstand and solid dismount, he earned his personal best of the season, a score of 6.9. Jaime also scored his personal best of 7.1. Lobban received an 8.3 for an extremely clean routine. But the most praise goes to Christopher Ellefson '95 who, despite an injury to his ankle in practice earlier in the week, scored the highest in the event. In the most ironic manner, Ellefson performs his best when he is injured. He leads the event with an 8.45.

The high bar, or pipe, is usually where the gymnasts end the competition. On this particular day, this was the third rotation. This was where the Engineers "tore" apart.

With many form breaks and inconsistent executions, the scores were very low compared to the usual sevens and eights. Won, on the other hand, broke the streak when he caught his Tkatchov, a release element, and landed a "huge" double pike. Considering the difficulty of the routine, Won's score of 6.75 appeared a bit low.

Lobban was the last competitor for MIT and with Won's excellent performance, expectations were high that Lobban would be even more spectacular. After missing his Ginger, an extremely difficult release element, Lobban aggressively continued his routine and finished it with a near flawless double pike off the apparatus. When he landed, however, a cry of pain sprang from Lobban as he fell onto the mat. Apparently, he had hurt his knee somehow in the dismount and was immediately attended to by a doctor and trainers. The trainers diagnosed him to have torn his ACL, a common but serious injury in this particular sport. This placed Lobban out of the rest of the competition where his contribution to the team total would have greatly increased the team score.

With Lobban out, Van Van '97 was to replace him on the floor exercise, the fourth rotation. In his second floor competition of the season, Van scored his personal best of a 6.7. Won landed all his difficult elements and earned a score of 8.5. Cooper, despite the troubles he had in practice with his routine, pulled it together in the last possible moment and delivered a solid routine which earned him the top in floor exercise, an 8.55.

The next event, the pommel horse, has always been MIT's nemesis. Van, after just competing on the floor exercise, was up first. With a completely new routine develop just a week ago, Van was

able to complete the entire combination with no falls and only a few slight breaks. With increased difficulty, Van scored his personal best of 5.0. Cooper once again did the best on the event with Thomas's Flares which earned him a 6.7.

With the competition was coming to an end, the gymnasts were all exhausted. The most exhaustive event, however, was the final one. On the still rings, strength and form are the most crucial elements. Jaime started the event with a sudden rush

of energy. Hitting his elements slowly and one by one, Jaime held an iron cross for a score of 7.05.

The team was not anywhere near exhaustion. Cooper, with his famous facial expression, did his personal best on this apparatus, a score of 8.0. By this stage in the game, Cooper is usually "larried," a term he himself invented which means somewhere in the vicinity of being worn out. But at this meet, he came through with the most amazing routine. Holding all the position with perfect form and grace, he scored the highest for MIT during the meet and his personal best of 8.75, a hair away from making into finals.

With the contributions of Geoffrey Phillippe '95 and Brian Young '96, the final team score came out to be 205.65, a score which could have been higher had Lobban and Ellefson not injured themselves during and before the meet, respectively. Cooper scored a 45.60 for the all-around which is also his personal best.

In addition, five of the MIT squad — Phillippe, Won, Ellefson, Lazerwith, and Jaime — earned the title, USA Gymnastics Scholar Athletes, a standard of excellence in academics and athletics.

All-in-all, the team had a great meet and a great season. For now, the team looks ahead towards future prospects. Unfortunately, they will lose two of their finest next year. Both Won and Jaime will graduate this year and leave the MIT community. Lobban, with his injury, may not be able to compete during the first half of the next season. The team, however, remains optimistic about the future of MIT gymnastics. Despite all obstacles, the Engineers look forward to another great season to bring glory to MIT.



JOSH HARTMANN—THE TECH

The men's gymnastics team stays strong on the still rings, the final and most exhaustive event.

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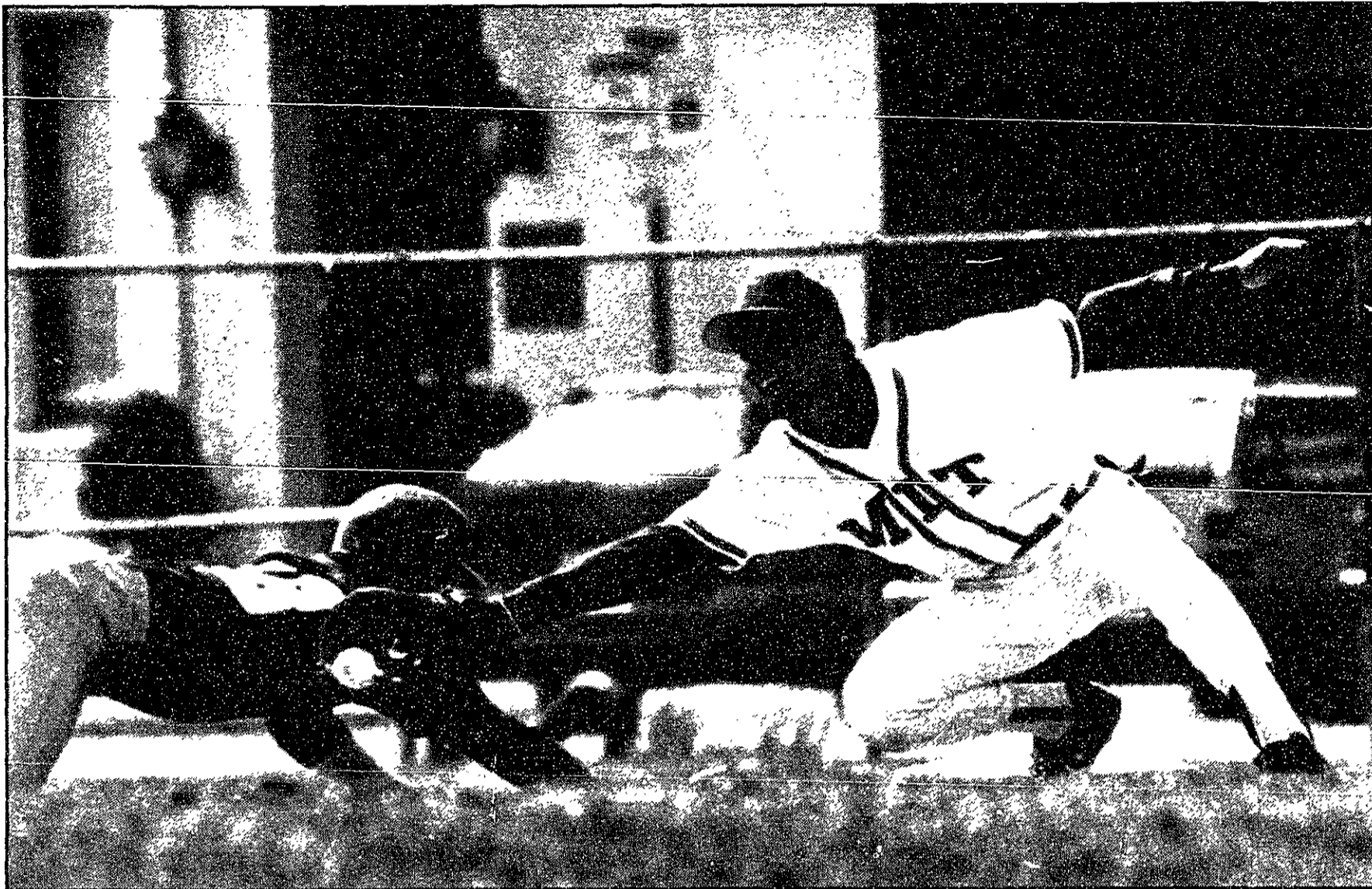
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First baseman Brooks Mendell G fields the pick off throw before tagging out the WPI runner during the bottom of Saturday's doubleheader. MIT swept the doubleheader to remain in playoff contention.

THOMAS R. KARLO—THE TECH

Golf Team Ends Year With 14-5 Record

By Frank Popp
TEAM MEMBER

The varsity golf team finished its season with an exciting win earlier in the week. At the end of the four-way match, MIT and Northeastern were tied with 428 strokes each. A playoff between team captains Frank Popp '94 and Steve Haffeman of Northeastern University was set up to break the tie. Popp won the playoff on the fourth hole to give MIT the victory. In the match, MIT also defeated Nichols College and Rensselaer Polytechnic Institute.

Popp led the way with a 76, followed by an 82 by Brian Schuler '96. The next best results for MIT came from Phil Tracadas '95 with an 87 and Mike Lombardi '95 with an 88.

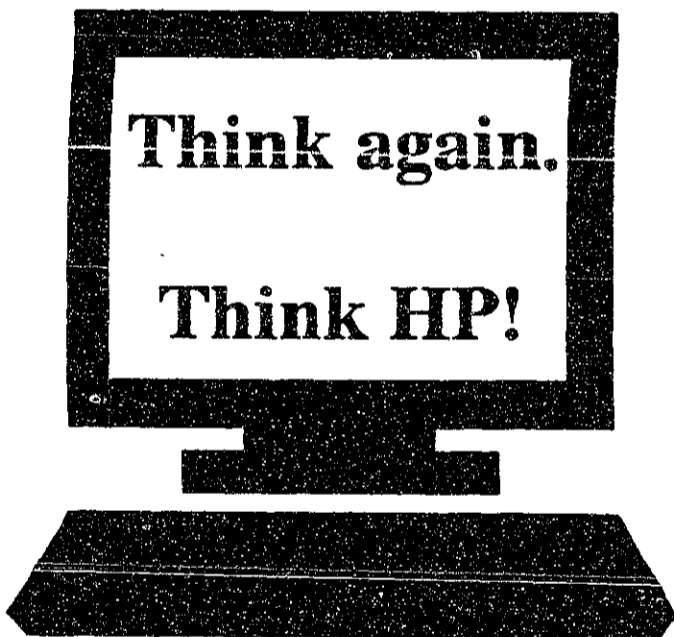
During the same week, the team also had a strong finish in the Greater Boston Classic, placing fourth out of 10 teams with a total score of 462. Only Boston College (410), Harvard University (443), and Babson College (446) came out ahead.

A strong wind kept the scores exceptionally high. Anyone able to break 90 had an excellent day. Tom Kawamoto '96 and Popp, both with 89, paced MIT. Jason Onysko chipped in with a valuable 92.

Constant rain and windy cold days for competitions kept all scores higher than usual this spring. Kawamoto played the top position all spring, followed by Popp, Schuler, and Tracadas. The other spots were shared by Lombardi, Onysko, Brian Scivitt '97, Scott McDavid '97, Sean Carpenter '96, and Joe Baca '95.

Combined with a 4-1 fall season, the golf team's record for this year was 14-5, completing its 21st consecutive winning season.

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Offer ends October 31, 1994



Lacrosse Suffers OT Loss

Lacrosse, from Page 20

College. NEC came determined to avenge the previous week's loss to MIT, 12-11. NEC quickly ran up the score to 5-3 by half-time, but MIT recovered in the second half and quickly tallied two goals, bringing the score to 5-5.

The game continued to be closely contested as NEC pulled ahead 7-6. After an MIT timeout, defenseman Jen Chank '95 won the ball off a draw, ran down the field virtually uncontested, and scored to tie the game. The two teams continued to trade goals for the rest of the game. At the one minute mark, NEC was up 9-8. With 29 seconds remaining, tri-captain Ann Torres '96 was awarded a free position at the 8-meter line. She took advantage of this to score a goal to put the game into overtime.

Unfortunately, in the last minute of the overtime, NEC scored the championship-winning goal. At the awards ceremony, defensive players Catherine Mangion '95 and Chank were named to the All-Tournament Team for their outstanding play during the two games.

The team will face Bridgewater State College this Thursday in its final game of the season. Against Bridgewater, the Engineers hope to end their season on a positive note.

ChemE Graduate Powerhouse Wins Octathon, 7-0-1

By Kiko Aumond and Chris Dowd
TEAM MEMBERS

The Chemical Engineering Graduate Student team finished first in this year's octathon with an almost impeccable 7-0-1 record. After placing 12th out of 16 teams last year, Captain Chris Dowd G managed to assemble a mix of specialists in certain sports, as well as good all-around athletes, enabling the team to attain the maximum number of points in four of the eight Octathon events.

The octathon all started on a cold winter night at the Johnson ice rink. ChemE faced mighty opponents Phi Kappa Sigma in the hockey event, winning 3-1. The score, however, did not reflect the toughness of the game. Steffen Ernst G and Mark Powers G were a formidable offensive line, while a stoked Shahin Ali G scored an almost impossible goal, retrieving the puck from behind the net and driving it home mercilessly.

Although it was a good start, team members knew the worst was yet to come with the approach of the Patriot's Day weekend and the seven remaining sports. Saturday morning a cautious water polo team entered Alumni Pool, still shell-shocked from the previous year's disastrous showing, but the team redeemed itself, emerging victorious with a win against a spirited Next House opponent.

From the pool to the Du Pont Gym hardwood: in what might have been the A league final, ChemE faced a fired-up Delta Upsilon hoops squad. Although they had trouble with DU's good rebounding, tight defense, and three-point shooting in the first half, ChemE, with Justin Hanes G and Dowd G leading the offensive, iced a 39-35 win.

Day one ended with a soccer game against Phi Beta Epsilon. Rick Batycky G, Colin Wolden G, and Glen Bolton G all had tantalizingly close shots, but Dowd managed the only ChemE goal as the two teams battled to a 1-1 tie.

Sunday started with an Ultimate frisbee game against Lambda Chi Alpha, where the ChemE team had to fight gale force winds and driving rain to win the game 15-7. Glen Bolton provided one of the morning highlights by showing up for the game and scored an almost impossible point by catching a long upwind toss from master handler Jeff Hrkach. Gabe Worley G also played a great game, leading the offensive and making pin-point passes in truly abominable conditions.

In the volleyball event, Wolden and Bill Stockton's powerful spikes

off accurate sets by Daniel Winkelman G led ChemE to a 2-0 victory against Beta Theta Pi. Chem E later notched a 13-7 softball win over a tough Kappa Sig team behind the strong hitting of Stockton, Hrkach, and Wolden.

After maxing out all the Sunday events, the Course X team was close to an overall victory, and with this spirit they stepped onto the Briggs Field lawn Tuesday morning for the football game against Sigma Alpha Epsilon. Heckling from some DU brothers directly interested in a ChemE defeat only made the team play more fiercely. Mike "Hoss" Szady G, Fred Colhoun G and Wolden formed a solid offensive line. The nimble Kiko Aumond G, making a smooth transition from the Brazilian form of football, garnered two critical points with a stunning second-half safety. After 40 minutes of intense grid-iron action, quarterback Hanes marched the team down the field and connected with tight end Stockton in the final minute to secure a 15-13 victory for the 1994 Octathon.

Women's Crew Leaves Simmons Behind, Setting Pace Throughout

By Victoria Parson
TEAM MEMBER

Last Saturday, in their last race on the Charles this season, the varsity women's crew team was able to outrow Simmons College by 10.6 seconds, bringing their record for the season to 4-1.

The race, which began with an unexpected start, was in a tail and cross-wind for all 2,000 meters. MIT started making a high 44 strokes per minute, then settled to a 36 for the first 500 meters. The Engineers were up a boat length on Simmons and held the lead for another 500 meters. In the last 1,000 meters, admittedly their best part of the race, the Engineers brought the stroke rating down to a comfortable 34 and pulled away, leaving open water between them and their opponents. The finishing times for MIT and Simmons were 7 minutes 19.29 seconds and 7:29.89, respectively.

Although this was not MIT's best race this season, it did highlight areas that need improvement for next week's Eastern Sprints. For instance, the rowers brought up the stroke rating a beat or two higher than usual, and the strokes did not go as smoothly as intended. "I'm glad that we rowed this race at a 36.

We know what we need to do in order to put together a great race at that stroke rating for next week," commented rower Sarah Black '96.

All oarswomen are looking forward to placing higher at the Eastern Sprints than they have in past years. Their competitors will include Radcliffe College, Boston University, Northeastern University, and last year's National Champions, Princeton University. The race will be held in New Preston, Connecticut.

The lightweight eight finished powerfully in 7:42.2, beating the University of Rhode Island by 20 seconds. Next week they will compete in the New England Championships in Worcester

and, tentatively, in the Eastern Sprints as well.

The junior varsity crew could not hold off against its opponent, Tufts University, and lost by 10 seconds, with a time of 7:49.7. The crew raced well, but Tufts, who over-stroked MIT, took the lead early and kept it. MIT also suffered some equipment problems before the race, furthering hampering their efforts.

The two novice boats, who also raced Simmons, had varying results. The first novice eight, with a time of 8:02, lost to Simmons by 10 seconds. The second novice eight, with a time of 8:01, slaughtered the Simmons second novice boat by 35 seconds.

KENDALL BARBERS

4 BARBER STYLISTS

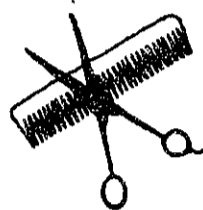
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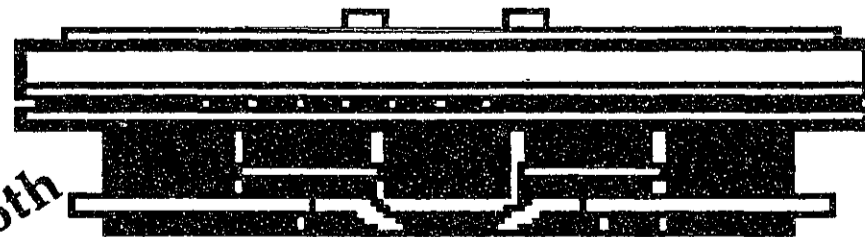
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ACROSS

- 1 Ruin the reputation of
- 10 Juicy fruit
- 15 At stake (3 wds.)
- 16 Do construction work
- 17 O'Neill play (3 wds.)
- 19 Male sheep (Br.)
- 20 Acute
- 21 "___ Fideles"
- 22 Give off
- 24 Tornado
- 25 Rambled (2 wds.)
- 27 In the middle, for short
- 29 Madison Avenue output
- 30 Journal item
- 31 Like some college courses
- 32 Sierra ___
- 33 Cager's target
- 34 Park in Quebec
- 39 Nine, in Venice
- 40 Galahad's garb
- 41 Cul-de-___
- 44 Entertained, in part
- 45 Climbing plant

- 46 ___ post
- 48 Certain sandwiches
- 49 Wandering
- 50 West German state
- 54 Mr. Grant
- 55 Winter weather index (2 wds.)
- 58 Dodge
- 59 Certain odds (3 wds.)
- 60 Fleur-___
- 61 The quality of being lean or thin

- 13 Stroked, as an animal
- 14 Anesthetics
- 18 Imitated a crow
- 23 Hitchcock's "___ Curtain"
- 24 Named
- 25 Comedian Louis ___
- 27 Big crowd
- 28 Fargo
- 34 Liquid measure (abbr.)
- 35 "A wrong'd thought will break ___ of steel"-Chapman
- 36 Part of the foot (2 wds.)
- 37 Floating structures
- 38 Expungements
- 39 Keyboard interval
- 41 Was in a dither
- 42 Reach a destination
- 43 "___ Knowledge"
- 44 Shows pain
- 47 ___ Warbucks
- 50 Dock space
- 51 Famous middle name
- 52 Southwest wind
- 53 Appraise
- 56 No ___, ands, or buts
- 57 Swindle

DOWN

- 1 Old World bird
- 2 Cruel
- 3 Enter (2 wds.)
- 4 ___-square
- 5 Have care or concern
- 6 Robert ___
- 7 ___ novel
- 8 ___ instant (at once)
- 9 Bo Derek film
- 10 Co-star of "Midnight Run"
- 11 Frosts
- 12 Zoroastrian writings

PUZZLE SOLUTIONS FROM LAST ISSUE

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SOLUTIONS IN THE NEXT EDITION OF THE TECH

Jim's Journal

By Jim

I decided to start reading a book today.



4-12

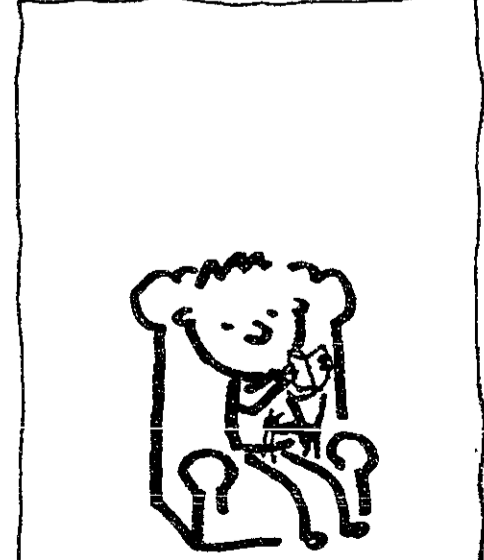
It's 'The Sirens of Titan,' by Kurt Vonnegut.

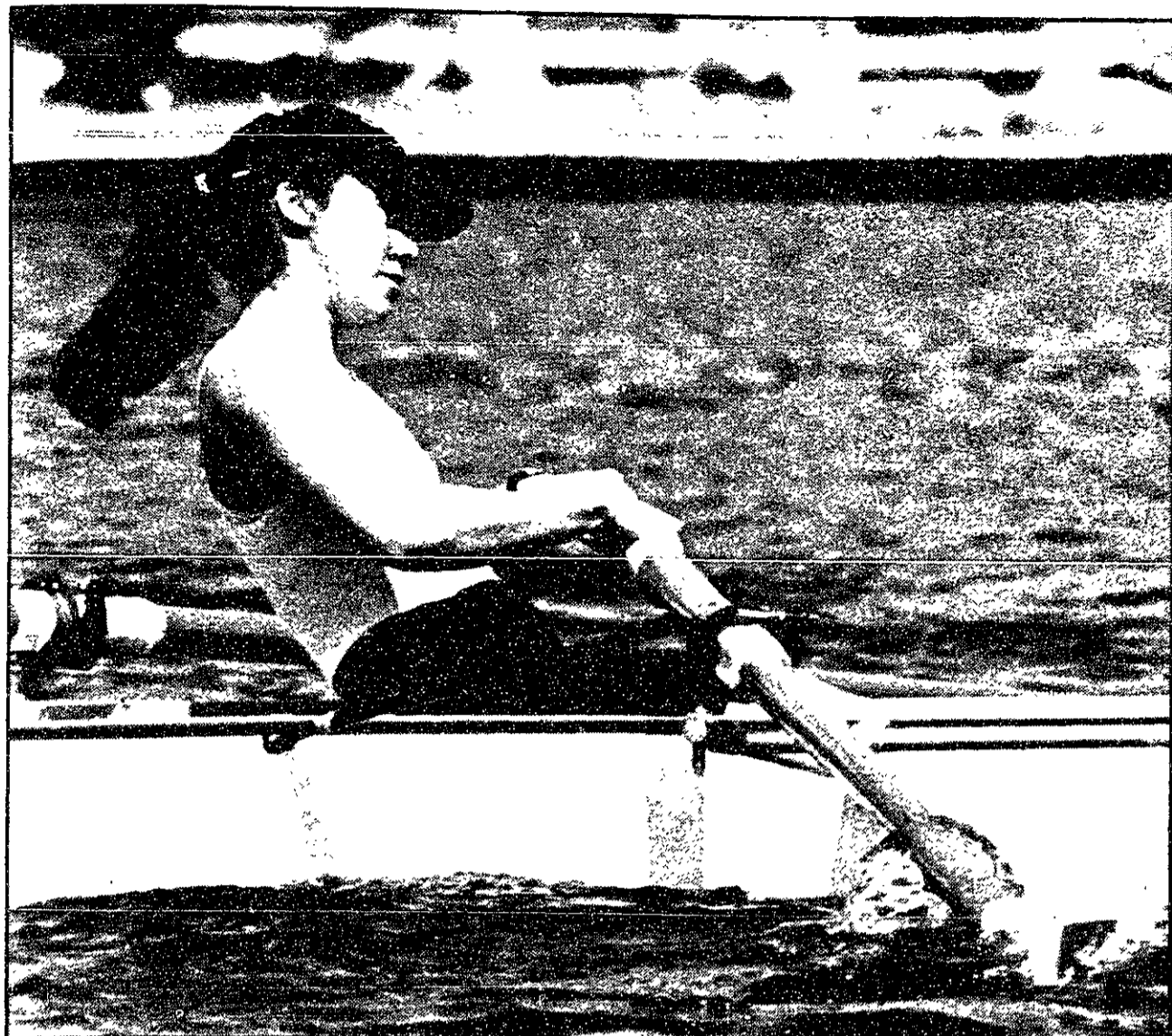


So far, it's a pretty good book.



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THOMAS R. KARLO—THE TECH

An oarsman in the second varsity boat rows in their losing race against Tufts University Saturday morning.

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REFRESHMENTS

SPORTS

MIT Finishes Last in NEW-8 Despite Individual Records

By Daniel Wang
ASSOCIATE SPORTS EDITOR

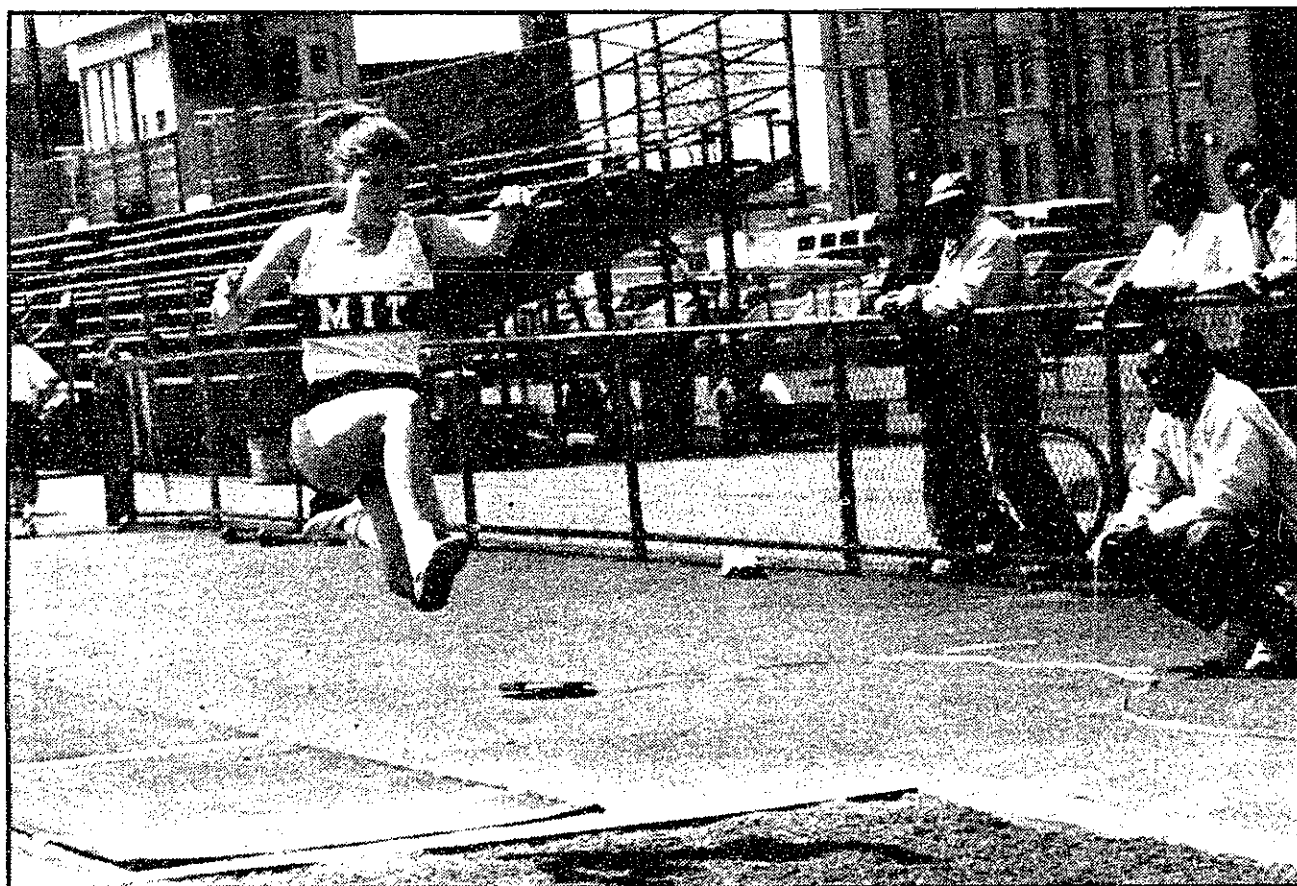
Last Saturday, on a sunny but windy day, MIT's Henry G. Steinbrenner '27 Stadium hosted the inaugural New England Women's Eight Conference Track and Field Championships. The variety of events gave the teams a chance to show off their different strengths.

At the conclusion, MIT finished last out of the six teams (Babson and Wellesley Colleges do not have

track and field teams), behind Worcester Polytechnic Institute, Mount Holyoke College, Brandeis University, Smith College, and Wheaton College. Despite the result, there were a number of remarkable individual performances.

The most successful Engineer efforts took place in the field events. At a site removed from the main stadium, Kristin Ratliff '95 broke the Institute record

Track, Page 14



Heather Noyes '97 long jumps in the Saturday afternoon track meet. MIT finished last among six schools. SHARON N. YOUNG PONG—THE TECH

Men's Gymnastics Ranks 6th in Nation

By Van N. Van
TEAM MEMBER

While most MIT student's were taking a respite from intense academic pursuits over the Patriot's Day weekend, the men's gymnastics team traveled to Texas Woman's University in Denton, Texas to compete in the 1994 USA Gymnastics Collegiate National Championship. In the most intense meet of the season, the Engineers gave it their all and clenched the sixth position in the nation. First through third were College of William and Mary, U.S. Air Force Academy, and Springfield College, respectively.

In a bizarre twist of fate, the Engineers had what can be called

one of their best and worst meets of the entire season. The Engineers came out with seven personal best performances in the competition, but they also came out with a major injury to one of their finest gymnasts, Andy Lobban '97.

The competition did not begin when the gymnasts stepped into the arena. It began the night before when the Engineers prepared themselves mentally for the intense ordeal that lay ahead. When they entered the stadium, they were ready and all fired up. After 10 rotations of timed warm-ups, the competition officially began.

Gymnastics, Page 15

Women's Lacrosse Brings Record to 5-5

By Catherine Mangion
and Meera Saini
TEAM MEMBERS

After falling to an early deficit of 1-3, the women's lacrosse team regrouped to defeat Colby Sawyer College, New England College, Elms College, and Smith College, and bring its record for the season to 5-5.

Last Thursday, MIT came up against Smith College in the first round of the New England Women's Eight Conference playoffs. Earlier in the season, the Engineers scored their first ever win over Smith, 10-8, with the help of clutch

saves by goalie Katherine Merrilees '97. In this rematch, however, the Engineers were unable to repeat its earlier performance. The Engineers made a valiant effort but were unable to convert on their shots.

Two weekends ago, MIT participated in the fifth annual Elms Tournament. In the first round, the team was paired with Elms College. Despite a slow start the Engineers emerged victorious with an 8-4 decision. The win advanced MIT to the championship round, where MIT played against New England

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The Academic Projects and Policy Committee of the Graduate Student Council is proud to announce the recipients of this year's Graduate Teaching Awards

Each year, the Graduate Teaching Awards are presented to at least one instructor within each school (Architecture and Planning, Engineering, Humanities and Social Sciences, Management, and Science) for excellence in the teaching of graduate-level courses. The recipients are selected based on nominations submitted by graduate students who were impressed and inspired by the dedication of their instructors. In addition, for the first time, the Graduate Student Council is recognizing the outstanding contributions of several teaching assistants and graduate student instructors to the education of graduate students. The awards will be presented at the Awards Convocation on Wednesday, May 4, at 3:30 pm in Room 10-250.

Professors and Lecturers

Prof. Mounji Bawendi, Assistant Professor of Chemistry, School of Science
Mr. Fernando Domeyko, Lecturer in Architecture, School of Architecture and Planning
Prof. John Lienhard, Associate Professor of Mechanical Engineering, School of Engineering
Prof. Robert Pindyck, Mitsubishi Bank Professor in Economics and Finance, Sloan School of Management
Prof. Charles Sabel, Professor of Political Science, School of Humanities and Social Sciences

Teaching Assistants and Graduate Student Instructors

Ms. Judith Cardell, Teaching Assistant, Department of Electrical Engineering
Mr. Zuhair Khan, Teaching Assistant, Sloan School of Management
Ms. Barbara Masi, Teaching Assistant, Program in Science, Technology, and Society
Mr. Matthew Trevithick, Teaching Assistant, Department of Electrical Engineering

The GSC would like to extend its thanks to the award recipients for their extraordinary commitment to graduate education at MIT.