

Institute to Host Science Policy Discussion Today

By **Jeremy Hylton**
TECHNOLOGY DIRECTOR

Nearly two hundreds scientists and government officials, including President Clinton's science adviser, will be meeting today in the Bartos Theater at the Media Laboratory to discuss the nation's science policy.

President Charles M. Vest will host leaders from academia, industry, and government in a day-long forum entitled "Science in the National Interest: A Shared Commitment."

John H. Gibbons, assistant to the president for science and technology, will give the keynote address at 10:15 this morning. Gibbons will discuss funding for science as laid out in the Clinton budget plan, which was submitted to Congress yesterday.

Gibbons will also discuss developments in the national science policy that have occurred since the Clinton administration released the policy paper "Science in the National Interest" in August.

Gibbons will be joined by Joseph A. Miller, a senior vice president with E. I. du Pont de Nemours & Co., and Frank H. T. Rhodes, president of Cornell University, in an opening session

chaired by Provost Mark S. Wrighton.

The official guests will likely fill the Bartos Theater, but a video screen will be set up in the Bartos lobby, according to MIT spokeswoman Kathleen Rowe.

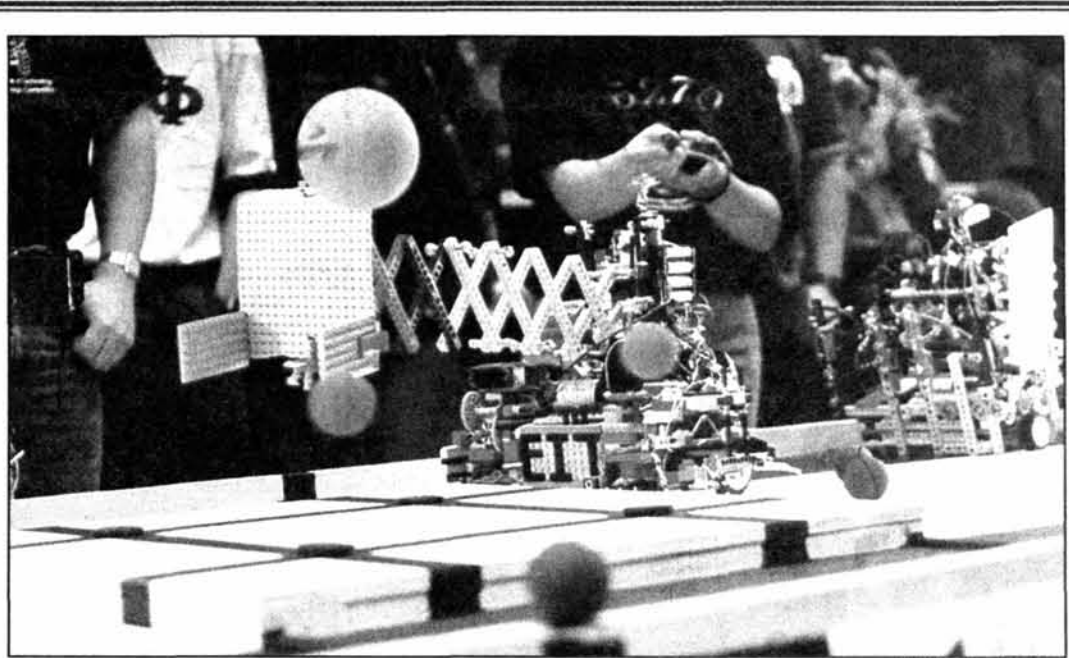
Other speakers at the forum will include D. Allan Bromley, dean of engineering at Yale University and science adviser to President Bush, Anita K. Jones, director of defense research and engineering at the Department of Defense, and Leon E. Rosenberg, president of the Bristol-Myers Squibb Pharmaceutical Research Institute.

Vest focuses on national policy

Since taking office in 1990, Vest has focused on science and research policy and on the changing role of research universities, particularly as research budgets have shrunk and the government has become increasingly skeptical of the importance of basic research.

"Synergy and common understanding among the universities, the federal government, and industry have been lost. They must be regained," Vest wrote in his 1994 President's Report

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A robot extends its arm in an attempt to grab the j-device during the final round of the 6.270 Lego Robot Design Competition, held Thursday evening in 26-100. Full color photos on page 16.

Harvard Ends ROTC Support Over Policy on Homosexuals

By **Stacey E. Blau**
ASSOCIATE NEWS EDITOR

Harvard University will cease direct financial support of the ROTC program at the end of the academic year, according to an announcement last Wednesday from the Harvard Office of the President.

Harvard presently pays MIT about \$130,000 each year to allow

Harvard students to participate in the program, which is run at MIT.

The announcement comes in response to years of discussion about Harvard's financial support of ROTC. The program, which discriminates against students on the basis of their sexual orientation, violates Harvard's and MIT's non-discrimination policies.

Last week's announcement

expanded on Harvard President Neil L. Rudenstine's Nov. 23 proposal that suggested Harvard pay the MIT ROTC fee with unsolicited alumni donations earmarked for the program.

This plan would enable eligible students to continue to participate in the program. Harvard would

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Only 50 Spaces in Ashdown Will House Undergraduates

By **Daniel C. Stevenson**
EDITOR IN CHIEF

No major housing changes will occur in the near future, according to a statement released Thursday by Dean for Undergraduate Education and Student Affairs Arthur C. Smith.

Smith's statement softened the recommendations made last month by the Strategic Housing Planning Committee, saying that no dormitories will be entirely converted from

graduate to undergraduate housing or vice versa.

Smith went on to say that when further decisions are made, "there will be opportunity for all concerned parties to take part in discussions of plans for student housing."

Senior House will be renovated over the next two summers but will remain undergraduate, Smith said, adhering to the course of action recommended by the SHPC. "While plans for renovation should allow

for flexibility in long-term use or alternative summer use, the basic assumption is that Senior House will house undergraduates," he said.

Regarding additional graduate housing, Smith said that rather than commence construction of a new graduate dormitory immediately, the administration has decided to hold an open meeting "to exchange information and to develop an agenda so

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Professors Named MacVicar Fellows

Seven Honored for Excellence in Teaching

By **Venkatesh Satish**
ASSOCIATE NEWS EDITOR

Seven professors were named MacVicar Faculty Fellows for excellence in teaching and contributions to undergraduate education. President Charles M. Vest and Provost Mark S. Wrighton announced the appointments at a luncheon Friday.

Those honored this year are: Professors of Physics Wit Busza and Thomas J. Greytak '62; Professor of Aeronautics and Astronautics Paul A. Lagace '78; Professor Margery Resnick of the foreign languages and literature section of the humanities department; Professor of Materials Science and Engineering Donald R. Sadoway; Professor Arthur Steinberg of the anthropology and archaeology section of the humanities department; and Professor Marcus A. Thomp-

son of the music and theater arts section of the humanities department.

Selection as a MacVicar Faculty Fellow is a recognition "of exceptional and creative contributions, with emphasis on recent and current activities," Wrighton said at the Friday luncheon.

The MacVicar Faculty Fellows Program was established in 1991 to honor Margaret L. A. MacVicar '65, MIT's first dean for undergraduate education.

Wrighton made the appointments with advice from a committee composed of faculty members and students.

Wit Busza

From the nominations: Few faculty members are so dedicated to

MacVicar, Page 13



THOMAS R. KARLO / THE TECH

An MIT player shoots during the men's hockey game against the University of Pennsylvania last Tuesday. MIT dominated the game, winning 9-2.

INSIDE

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THE YEAR IN REVIEW

AN ANNUAL
SUPPLEMENT

WORLD & NATION

Bombing Suspect Makes Surprise Guilty Plea in Trade Center Trial

THE WASHINGTON POST

NEW YORK

The Muslim extremist who allegedly was the mastermind of what was to have been a "day of terror" in Manhattan in July 1993 Monday made a surprise guilty plea to a plot that included bombings of major New York landmarks and the assassination of Egyptian President Hosni Mubarak.

Siddig Ibrahim Siddig Ali also said he would testify against the 11 other defendants in the massive conspiracy trial, including Sheik Omar Abdel Rahman, the cleric who was once his spiritual leader.

Siddig Ali, who cooperated for a time with federal prosecutors last year but was unable to arrange a plea bargain then, was named by prosecutors as the ringleader of a planned one-day bombing spree in Manhattan that targeted the United Nations, FBI offices and the three major links between Manhattan and New Jersey — the George Washington bridge and the Lincoln and Holland tunnels.

The defendants also were alleged to have been part of a broader conspiracy that included the bombing of the World Trade Center that killed six people in 1992. Four people were convicted of that bombing last year, three of them disciples of Abdel Rahman. None of the defendants in this trial was part of the World Trade Center trial.

Lawyers for the remaining defendants said Monday evening that they wrote U.S. District Judge Michael Mukasey to demand a mistrial because of "judicial misconduct." The lawyers argued that Mukasey, who knew about the negotiations between Siddig Ali and the prosecution, should have delayed opening arguments, which began last week. Siddig Ali had been a participant in defense strategy.

FAA Orders Emergency Inspection Of McDonnell Douglas MD-11 Jets

LOS ANGELES TIMES

WASHINGTON

The Federal Aviation Administration has quietly ordered airlines worldwide to inspect all McDonnell Douglas MD-11 jetliners for cracks in the pylons that hold the engines to its wings, the Los Angeles Times has learned.

The FAA described the cracks as an "unsafe condition," though it did not regard the problem as serious enough to ground the MD-11 fleet before inspections of all 130 of the 300-seat wide-body jetliners in service are completed next week.

The FAA, McDonnell and its subcontractors also are still trying to identify all MD-11 parts that were supplied by the manufacturer of the cracked pylon component to determine whether other flaws might exist.

The disclosure of the cracks came as McDonnell said it is mulling whether to halt MD-11 production for up to six months in 1996 because of a dearth of new orders for the plane, which is priced between \$100 million and \$125 million.

Such a shutdown would mean the furlough of several thousand workers who build the giant airplane in Long Beach, Calif., where the company's 10,000-employee Douglas Aircraft division is based.

Tom Williams, a spokesman at McDonnell's headquarters in St. Louis, emphasized that a manufacturing halt is only one of several contingency plans McDonnell is considering in case no more orders materialize for the MD-11, which began flying in 1990.

U. of Maryland Alters Controversial Minority-Targeted Scholarship

THE WASHINGTON POST

Three months after a federal appeals court declared the University of Maryland's Benjamin Banneker Scholarship Program unconstitutional because only blacks were eligible, the university has combined it with another merit-based program that is open to students of all races.

University officials said the change is necessary to comply with the ruling of the U.S. Court of Appeals for the 4th Circuit pending an appeal to the U.S. Supreme Court, which they plan to file by March 30. The appellate court ruled Oct. 27 that the program illegally discriminated against non-black applicants.

University officials had argued that the program is necessary to boost the number of African American students on campus. A Latino student from Baltimore County filed suit after discovering he was ineligible for the scholarship.

The case carries national implications because many schools have scholarships targeted at minorities to promote diversity and address lingering effects of past discrimination.

Under the new system at Maryland, the Banneker program will be combined with the Francis Scott Key Scholarship program for the 1995-96 academic year.

Both the Banneker and Key programs guaranteed full payment of tuition and fees, room, board and book expenses for four years for high-achieving high school students. The Key program had been open to all students, whereas the Banneker program was designed for African Americans.

WEATHER Extremely Cold

NATIONAL WEATHER SERVICE

Today: Partly sunny with a brisk wind. Continued unseasonably cold. High 20-25°F (-7 to -4°C). West wind 20-25 mph (32-40 kph).

Tonight: Mostly cloudy with a 30 percent chance of light snow. Low near 15°F (-9°C).

Wednesday: Partly sunny. High in the mid 20s (-4°C).

House of Representatives Approves Line-Item Veto

By Edwin Chen
LOS ANGELES TIMES

WASHINGTON

Making good on another Republican campaign promise, the House passed a bill Monday to give presidents the line-item veto, which would give chief executives a way to eliminate specific spending items from budgets without having to veto the entire measure.

Supported by 71 Democrats, the House adopted the measure 294-134 after limiting debate in part to ensure its passage Monday — the 84th birthday of former President Reagan, a champion of the line-item veto during his eight years in the White House.

Immediately afterward, an exuberant House Speaker Newt Gingrich, R-Ga., called the vote "a very important bipartisan" show of resolve by the new Congress. He and other House GOP leaders attended an emotional birthday cake-cutting event and sang Happy Birthday to Reagan.

But a sharp note of partisanship was injected by Rep. Gerald Solomon, R-N.Y., chairman of the House Rules Committee. "Let's note for the record that this Republican Congress has given a Democratic president a line-item veto in less than six weeks — unlike the Democratic congresses that turned a deaf ear to Presidents Reagan and Bush 12 years in a row."

House passage of the measure came on the 34th day of the House GOP's 100-day drive to take up its 10-point "Contract with America" by a self-imposed early April deadline.

The House approved the line-

item veto after just three days of debate. Despite the support there and from President Clinton, the measure faces an uphill road in the Senate. There, committee work has been stalled twice by disagreements among leading Republicans over the extent of line-item veto authority a president should possess.

Some influential Democrats, including Sen. Robert C. Byrd of West Virginia, are expected to delay its enactment — a prospect that Gingrich acknowledged by noting that the GOP will have to "overcome Sen. Byrd." Some GOP senators want to give the chief executive a more limited version of the line-item veto than that passed by the House.

Line-item veto proponents want to enable a chief executive to reach into, say, a gigantic appropriations bill and kill a specific spending item while approving the rest of the measure. Currently, the only option available to a president is to veto or accept the entire measure — faults and all.

Currently, a president may propose to rescind specific spending items. But his proposals die unless Congress approves them within 45 days of continuous session. Or as veto proponent Rep. Porter J. Goss, R-Fla., put it: "Doing nothing spends the money."

Although the president has never wielded line-item power, the governors of 43 states have such power already — and its impact on reducing spending overall has been slight. Studies have shown that governors often have simply used the line-item tool to substitute their on spending priorities for those approved by

their state legislatures.

As Rep. Charles W. Stenholm, D-Texas, a line-item veto backer conceded, spending proposals that are deleted by a presidential line-item veto still "can be spent on other programs" — as opposed to helping to reduce the deficit.

Political scientists also warn that the line-item veto can lead to increased spending — particularly if a chief executive and lawmakers engage in a frenzy of vote-trading over pet projects — as has happened in many states.

In some ways, "line-item veto" is a misnomer. The House measure actually does not allow the president, at the time that a bill is on his desk for signing, to approve some portions of a bill while vetoing others.

Instead, it would vastly increase his ability to propose the rescission of certain funds after they are appropriated. These rescissions would take effect automatically — unless Congress approves a resolution to block any of them. A president could then veto that resolution, but Congress in turn could override the veto by a two-thirds majority.

In the Senate, Budget Committee chairman Pete Domenici, R-N.M., is proposing an alternative to the House bill that would allow a simple majority of Congress to kill presidential rescission proposals.

The disagreement between Domenici and advocates of the tougher House approach, led in the Senate by John McCain, R-Ariz., has caused the postponement of two drafting sessions by the Budget Committee.

Shuttle Meets Mir in First U.S., Russian Encounter Since 1976

By Kathy Sawyer

THE WASHINGTON POST

HOUSTON

"We are one, we are human!" Alexander Viktorenko, Russian commander of the 103-ton space station Mir, told the crew next door aboard the 87-ton U.S. spaceship Discovery Monday as its crew parked 37 feet away.

The close encounter 213 nautical miles over the Pacific Ocean climaxed a day of high emotions for the U.S. and Russian space teams, in orbit and on the ground, as they resolved hardware problems, reached an eleventh-hour agreement on the choreography of their first rendezvous since 1976, and finally gave in to expressions of awe, relief and elation.

The flow of spectacular television images and audio relayed from the orbiting craft as they performed their tango at 17,500 mph showed the spacecraft inside and out and portrayed the crews waving to each other, signaling with flashlights through small windows, taking each others' pictures, laughing and exchanging quips and compliments in two languages.

Just after 2:20 p.m. Eastern time, as he eased Discovery gently to the point of closest approach in front of Mir, Discovery commander James D. Wetherbee held his ship in place and radioed Mir a formal statement.

First in English, then in bold, though slightly butchered, Russian, the former Navy test pilot and veteran of 345 carrier landings said, "Mir, Discovery. As we are bringing our spaceships closer together, we are bringing our nations closer together. The next time we

approach, we will shake your hand and together we will lead our world into the next millennium."

Precision flying in orbit is not new, but this was the first time it had been done with such massive vehicles. American shuttle crews have snagged orbiting scientific equipment and ailing satellites in space on many occasions, and crews of Russian cosmonauts routinely fly up to the Mir in small spacecraft.

Wetherbee and his crew completed the long-awaited close approach, photo inspection and precision flight demonstration, including a slow tour around the space station, within the allotted three hours without a hitch.

Shortly afterward, President Clinton called the Discovery crew to offer congratulations. Officials said the mission had provided valuable engineering and flight data that would lay a firm foundation for a series of shuttle-Mir docking missions beginning in June. "We got nothing but good news today," said Atlantis commander Robert "Hoot" Gibson, who is to fly the first docking mission.

The good news came at the end of a three-day exercise in joint decision-making by the two space agencies over the issue of leaky jets aboard the shuttle. Overnight, American flight managers and engineers marshaled their best analysis and data in a flurry of effort to persuade their Russian counterparts that Discovery could safely fly close to their space station without the risk that a leak in an aft jet would contaminate Mir's critical surfaces.

It was not until 10:25 a.m. Mon-

day that astronaut Story Musgrave, sitting at a console in mission control as crew communicator, relayed the news to a delighted Wetherbee: "You are go to approach to 10 meters," about 33 feet.

Russian flight manager Viktor Blagov agreed to allow the close approach as long as Discovery kept the fuel line to the leak closed. If there was an emergency requiring the use of other steering jets on the same fuel line, Discovery was to back away to a safe distance immediately.

About 7:15 a.m., when Discovery had maneuvered to within 190 miles from Mir, mission control reported that cosmonaut Vladimir Titov, flying as a mission specialist aboard the U.S. ship, had sighted Mir, his former home away from home, through binoculars. He had spent about 366 days on Mir in 1987-88.

Looking back at them from Mir were Viktorenko, 47; Elena Kondakova, 37, the third female Russian cosmonaut and wife of former cosmonaut Valery Ryumin, now a top official of the manned space organization Energia, which built Mir; and medical doctor Valery Polyakov, who is in the 394th day of his current stay in orbit and his 635th cumulative day in space — a world record. All three are scheduled to return to Earth on March 22. Replacing them will be a crew that is to include U.S. astronaut Norman Thagard, the first American ever to be launched aboard a Russian spacecraft.

Clinton's \$1.61 Trillion Budget Draws Congressional Criticism

By John F. Harris and Clay Chandler
THE WASHINGTON POST

WASHINGTON

President Clinton sent Congress Monday a \$1.61 trillion budget for next year, a spending plan he said allows him to be simultaneously an apostle of leaner government and an uncompromising defender of its most popular and expensive social programs.

"My budget," Clinton boasted at a news conference, "cuts spending, cuts taxes, cuts the deficit, and does not cut education, or Social Security, or Medicare. That is a good budget."

But congressional Republicans and many budget analysts accused Clinton of ducking virtually all of the tough spending cuts needed to bring the budget into balance, leaving those decisions instead for Republicans, who are struggling to

craft proposals to fulfill a campaign vow to balance the budget by 2002. Clinton's budget projects deficits of \$200 billion for the rest of the decade.

Although the president's budget exceeded 1,100 pages, its message to Republicans, critics charged, could be boiled down to these three words: "You go first."

"President Clinton's 1996 budget raises the white flag of surrender at the red ink of government spending," scoffed Sen. Pete V. Domenici, R-N.M., chairman of the Senate Budget Committee.

Clinton's decision to forgo deep deficit reduction also drew criticism from some Democratic lawmakers.

"I'm disappointed that the proposed 1996 budget does not go further in reducing the deficit," Sen. Bill Bradley, D-N.J., said in a statement. "The president has made real

progress in the past on deficit reduction, and I think it is unfortunate that this budget does not go further. ... Long-term economic growth will come only when we enact real deficit reduction."

Unlike the last two years, Clinton submitted this budget to a Congress controlled by Republican who are likely to make wholesale changes. The president said he relied on spending cuts to pay for a \$63 billion program of middle-class tax breaks that he proposed after the Republican triumph in the November midterm elections.

Clinton reconciled his somewhat contradictory budget aims by taking only modest steps in any particular direction. About \$10 billion, less than 1 percent of the total budget, represents spending increases for his pet programs, such as Head Start and the AmeriCorps national service program.

UN Prepares Peacekeeping Effort To Protect Fragile Angolan Truce

By Julia Preston
THE WASHINGTON POST

UNITED NATIONS

The Security Council this week will begin to deploy a force of 7,100 U.N. peacekeepers to shepherd a fledgling cease-fire agreement in Angola, U.S. officials and U.N. diplomats said Monday.

Secretary General Boutros Boutros-Ghali called for the force to help the onetime Marxist government and guerrillas led by Jonas Savimbi to wind down a 34-year-old conflict that is a remnant of the Cold War. Security Council delegates say the government wore down Savimbi's rebels conclusively last year, and a viable peace can be built on a cease-fire accord the two sides signed in Lusaka, Zambia, last November.

Angola is the first new peace-

keeping operation the council has considered since Republicans took control of Congress in Washington and pledged to cut payments for U.N. peacekeeping and sharply reduce the U.N. role in U.S. foreign policy.

But Angola is one U.N. project that is regarded favorably by key congressional Republicans. During the 1980s, Savimbi's anti-communist rebels received more than \$250 million in covert U.S. aid, with strong Republican backing. Savimbi has joined the government in asking for a robust U.N. force to support the cease-fire accords.

The Clinton administration has "strong bipartisan support" to endorse the mission when the Security Council votes on Wednesday, a U.S. official said. Rep. Benjamin Gilman, R-N.Y., the new chairman

of the House International Relations Committee, joined in signing a Dec. 7, 1994, letter to President Clinton calling for "a substantial U.N. peacekeeping force ... at an early date" and describing the Lusaka accords as "the last, best hope for peace in Angola."

Sen. Jesse Helms, R-N.C., chairman of the Senate Foreign Relations Committee, has indicated he will not oppose the Angola mission, administration officials said, despite his dislike for the United Nations, which he considers a wasteful and ineffective organization.

But a committee spokesman said Helms remains skeptical. "There are a lot of reasons to question the commitment and trustworthiness of the Angolan government," Marc Thiessen said.

Hutu-Tutsi Strains Raise New Fears Of Violence in Burundi

THE WASHINGTON POST

BUJUMBURA, BURUNDI

Strains in a power-sharing agreement between Tutsis and Hutus have led to fears that Burundi is on the brink of following Rwanda, its northern neighbor, into ethnic massacres.

Opposition leader Charles Mukasi, a Tutsi, had threatened to topple the fragile coalition government but backed off Saturday, saying he never intended to use violence to achieve his aims.

For months, his mix of truculence and political cunning has helped destabilize a power-sharing agreement that was laboriously negotiated last September between the majority Hutus, who now govern, and the minority Tutsis, who ruled Burundi for 400 years.

The Tutsis represent an estimated 15 percent of the 6 million citizens of this poor and densely populated country, but they control the military.

"Things are worse here in Burundi than they were in Rwanda in April last year just before the plane crash," said Pierre Buyoya, the former Tutsi president who introduced parliamentary democracy here in 1993. The crash killed both countries' presidents and precipitated the slaughter of as many as a million Rwandan Tutsis and their moderate Hutu allies.

Only five months earlier Melchior Ndadaye, a Hutu who became Burundi's president in 1993, was killed in a extremist Tutsi putsch along with his principal lieutenants. International condemnation helped prevent the civilian and military putsch leaders from taking power.

But those assassinations set off mass murder with Hutus helping organize the deaths of thousands of Tutsis before the Tutsi army wreaked its own vengeance on the Hutus.

Clinton Beefs Up Arizona Border Patrol

LOS ANGELES TIMES

President Clinton has directed the Border Patrol to rush 62 agents to the agency's overwhelmed forces in Nogales, Ariz., where arrests of illegal immigrants jumped more than 50 percent last year, officials said Monday.

The additional agents are being reassigned from the Canadian border and inland stations in Arizona and California and will report to Nogales Tuesday. (The president's unusual order is in response to an increase in illegal immigration in Arizona attributed to Border Patrol crackdowns in San Diego and El Paso, Texas, and, more recently, to a Mexican economic crisis caused by the devaluation of the peso, according to a statement issued by the White House press office Sunday.)

"The administration anticipated increases in illegal entries in Arizona this year ... and is already training 100 new patrol agents to reinforce the Nogales border," the White House statement said. "But illegal crossings increased so dramatically in January in the wake of the peso devaluation that more agents are needed now."

Graduate Student Council

followed by...

GSC Games Tournament!!!!

Is chess your game? How about checkers? More the Sorry style? Well, whatever your style, the GSC Games Tourney is for you!

Saturday, February 11 Noon-5pm
50-222

Stop by anytime!!

Night on the Town 33 1/3

This time were out for some fun!
Meet at 50-222 at 9:30pm

Activities Committee Meeting

Tuesday, February 7
5:30pm 50-222
Ski Trips, Concerts and more!

Keep Your Eyes Open!

Coming next week:
A Special Announcement about the GSC/GAP Spring Formal...

TAXES!!!??

Graduate Tax Workshop
For International Students
and Scholars
Friday, February 24, 1995
3pm - 5pm 10-250

Graduate Tax Workshop
For all US Citizens and Permanent
Residents
Friday, February 10, 1995
3pm-5pm 10-250

A brief program will outline the basics, and tax forms will be available.
A question and answer session to follow!

All Graduate Students are invited to all our meetings. All are held at 5:30pm in 50-222 and dinner is served.

Stay informed about all our events! Add yourself to our mailing list by typing **blanche gsc-official -a username**, or send email to **gsc-request@mit**. Questions, comments, ideas? Give us a call at 3-2195 or send email to **gsc-admin@mit**.

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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. 02139-7029. 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) 253-1541, editorial; (617) 258-8324, business; (617) 258-8226, facsimile. Advertising, subscription, and typesetting rates available. Entire contents © 1995 The Tech. Printed on recycled paper by MassWeb Printing Co.

Women Graduate Students Highlight Safety Concerns

The Tech received a copy of this letter addressed to Chairman of the Corporation Paul E. Gray '56 and President Charles M. Vest.

As women graduate students at MIT, we strongly urge you to search for a more safety-conscious solution to the current housing problem and to reconsider the Strategic Housing Planning Committee (SHPC) proposal to build a new graduate dormitory at the intersection of Sidney and Pacific streets. We recognize that this complex, multifaceted issue will require some compromise. However, the personal safety of students should not in any way be compromised.

Fear, plain and simple, would deter many female students from moving to a dangerous area of Cambridge. In addition to the threat of mugging, physical attack and murder, as women, we are especially susceptible to sexual assault and rape. A woman experiences fear, shock, shame, degradation, and humiliation during such crimes. In the aftermath, she is further haunted with shame, guilt, loss of self-worth, and anger. A woman will never fully recover and significant portions of her future emotional life can be destroyed. In these times, with HIV becoming more widespread, rape is also life threatening.

Are you willing, Chairman Gray and President Vest, to take responsibility when a violent crime occurs between 77 Massachusetts Avenue and the intersection of Sidney and Pacific? How would you feel if it were your own daughters whose safety were being jeopardized?

We must learn from experience concerning the threatening surrounding neighborhood of our urban institution. Certainly, it is not wise to turn a blind eye toward the numerous muggings and assaults which have taken place in very close proximity to the MIT campus. Following the tragic murder of our fellow student Yngve K. Raustein '94, the Campus Police issued a statement advising students to walk through the MIT buildings because the perimeter of campus was not safe. "It is a sad fact, but it is unsafe to walk the campus perimeter and city streets after dark, particularly late at night," wrote Campus Police Chief Anne P. Glavin ["Glavin Responds to SafeWalk Concerns," March 29, 1994]. Now we are being asked to ignore this sound advice and move into what is known to be a crime-ridden area.

Regardless of what attractive facilities or favorable design the new residence may offer,

for a wide majority of women safety is the number one priority for their living environment. The SHPC proposal does not include a plan for making the area safe in either the short or long term.

Safe on-campus housing is not only an extremely important issue among the current student body, but will also influence future MIT applicants, especially women. First-rate prospective female students will be lost to other graduate schools if housing options at MIT exist primarily in unsafe, high-crime areas. Women compose a small minority of the graduate student population, and it would be unfortunate to discourage them even further.

Although the administrators involved in the decision-making process primarily are men, we hope that they will carefully consider the perspective of women. It is imperative to pursue other locations for the new dormitory.

Laura E. Adams G
Katherine J. Holden G
Kathleen M. Misovec G
Michele Tesciuba G
and 65 others

Institute Can Find Better Solution Than Unsafe Location

The Tech received a copy of this letter addressed to Chairman of the Corporation Paul E. Gray '56 and President Charles M. Vest.

We, the undersigned, urge you to lead the Institute in finding a pragmatic and effective solution to the difficult housing problem, and to reject the recommendations of the Strategic Housing Planning Committee (SHPC). These ill-conceived recommendations are not in the best long-term interest of the Institute. The current solution does not adequately address the following points:

MIT should not relocate hundreds of students into an unsafe area of Cambridge. By moving students into this situation, MIT would be compromising their personal safety, and we find this unacceptable. This complex problem will not be solved by merely enhancing current shuttle services, as has been suggested. Frankly, we are also dismayed that administrators are moving us to a location where they themselves would not walk late at night, let alone take up residence.

The research, academics and teaching of hundreds of graduate students will suffer.

Recruitment of top-notch graduate students will suffer. MIT must think competitively, and there are several competitive schools with better housing, transportation and climate. Ash-

down House is the only centrally-located coeducational graduate dormitory. In contrast, there are several such undergraduate dormitories. Undergraduate recruitment efforts will not benefit if Ashdown is converted to undergraduate housing, but graduate recruitment will certainly suffer. This sacrifice of graduates for undergraduates is unwise and unnecessary.

There is no adequate interim plan for housing graduate students. By prematurely closing Ashdown, as has been proposed, there will be no accommodations for the lost graduate space before the new dormitory is built. This situation will create chaos for 400 graduate students by forcing them to compete with each other in the tight and competitive housing market. Current off-campus housing resources at MIT are inadequate to alleviate this burden.

By rejecting the SHPC recommendations and searching for a more encompassing solution, the administration will vastly improve its image with graduate and undergraduate students. In the current situation, the mission of the SHPC was made known by a leak to *The Tech*. Since then, every interaction between the students and the administration has been initiated by the students, and information has been scanty at best. The secrecy surrounding this decision is simply reprehensible. Furthermore, the administration excluded distinguished faculty members and the input of the Faculty Committee on Student Affairs. Clearly, the current recommendations are based on the perceptions of a small and non-representative body of administrators. By rejecting these tactics, the MIT leadership can repair its ability to work effectively with other members of the community.

In short, the SHPC recommendations will place students in an unsafe location and will unnecessarily close the only centrally-located graduate dormitory. Consequently, it will damage the current and future graduate program at MIT. We believe that both the graduate and undergraduate populations find the current decision-making process unacceptable, and that hurried recommendations by unrepresentative and secretive committees are not how an institution makes wise decisions. We look forward to correcting this situation with the administration, so that we may find a solution that is acceptable to all parties involved.

We reiterate that pragmatic and effective solutions can be found to the housing and overcrowding problems that the Institute faces. We hope you will choose to find a better solution, and reject the current recommendations.

John-Paul Mattia G
and 195 others

Treatment of MacGregor Pair Too Severe

Column by A. Arif Husain

STAFF REPORTER

A front page article in last week's issue of *The Tech* reported on two students, Adrian B. Danieli '97 and Peter H. Tsang '95, who set a fire in C-entry of MacGregor House. The Campus Police first came to investigate in mid-December, and since then Danieli and Tsang have been blatantly mistreated and misrepresented. At the end of last semester they were asked to leave the dorm, and are now only allowed back with an official escort. Later, they faced a magistrate's hearing in Middlesex County District Court. The magistrate clerk suspended the case but warned that, if charged, the penalty for section 1 arson could include up to 20 years in prison. The

two are now awaiting the decision of the Committee on Discipline.

This course of action has been exorbitant in its severity and is an attempt to make an example of the only two names available amidst the recent string of suspicious fires across campus. I commend the Campus Police for their attempts to make MIT a safe place to live. But prosecution of the innocent is no way to compensate for freedom of the guilty. In a memo to Dean for Undergraduate Education and Student Affairs Arthur C. Smith, Chief of Campus Police Anne P. Glavin wrote: "The reckless act of Danieli and Tsang] jeopardized the safety and well-being of some 350 students in MacGregor House." As a resident of the suite adjacent to where

the fire occurred, I can't help but feel this account has been exaggerated.

The incident occurred some time in November, and was witnessed by only one person. Isopropyl alcohol was poured on the floor and ignited. The heat caused nearby areas of carpet to melt, but nothing but the alcohol actually burned. I was in my room at the time, and I heard no commotion, no smoke, and nothing to alert me of imminent danger. In fact, even people in the same suite found no evidence of the fire except for the single marks it left behind. This is not to say that because it was not loud or chaotic, it could not be dangerous. My point is that the

Husain, Page 5

Opinion Policy

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

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

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

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

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

To Reach Us

The Tech's telephone number is (617) 253-1541. Electronic mail is the easiest way to reach any member of our staff. Mail to specific departments may be sent to the following addresses on the Internet: ads@the-tech.mit.edu, news@the-tech.mit.edu, sports@the-tech.mit.edu, arts@the-tech.mit.edu, photo@the-tech.mit.edu, circ@the-tech.mit.edu (circulation department). For other matters, send mail to general@the-tech.mit.edu, and it will be directed to the appropriate person.

MacGregor Fire Was Always Attended, Not Malicious

Husain, from Page 4

incident hardly affected anyone.

In the year-and-a-half that I have lived in a dormitory, I have seen far more serious and prominent incidents go unquestioned. Last year, two students in MacGregor set fire to a stack of pizza boxes in the Tastefully Furnished Lounge on the first floor. The entire area from the Convenience Store to the lobby was filled with smoke, and the Cambridge Fire Department rushed to the scene. This case posed a threat and nuisance to the whole dorm, but these students went free. Why, then, are Danieli and Tsang being prosecuted when their act was not nearly as harmful? With four mysterious fires in Burton-Conner House, two in MacGregor, and four more around campus, this third MacGregor incident is the only concrete case.

But the Danieli-Tsang case is clearly differ-

ent. First of all, the fire involved isopropyl alcohol, which is mildly flammable and burns quickly with little heat produced. It is the type of substance used in burners in children's chemistry sets — hardly the tool of a deliberate arsonist. All of the other cases involved newspaper or wood, which have a much longer duration of burning. Additionally, wood and paper have the potential to move or be moved, and ignite other surfaces. The alcohol was used in a small area in the center of a completely empty room. The carpet was fire-resistant, and there was no possibility that any other surface could catch fire, or that the fire would spread, since the fuel would be used up quickly.

The most important point to consider in the case of Danieli and Tsang is their fire was always attended and immediately extinguished. Every other recent campus fire was found unattended, making them far more threatening, and implying a definite careless-

ness and malice. When Danieli and Tsang set fire to the carpet they were stupid. But they were not careless, and clearly not malicious. When they realized that the fire was more than they had expected, Danieli and Tsang immediately took control and put it out. This fact was recognized by the residents of their entry who produced a petition in their support. The document was signed by a number of other MacGregor residents including the house president and vice-president. Even the witness who testified about the fire agreed that the two should be allowed to return. Obviously, residents did not feel it was a threat.

I agree that Danieli and Tsang should pay for what they did. They should be charged the \$150 estimated to replace the carpet. Their crime was vandalism, and should be treated as such. However, the law classifies setting a public fire as arson, with no consideration of the motive.

I suppose the potential for harm in an uncontrolled fire caused lawmakers to create these rules. But I would hope that the deans and committees whose job it is to provide for the best interests of the MIT community would be more reasonable. True, by making the Danieli-Tsang case an example, other fires may be prevented. But at what expense? In their upcoming decision, I sincerely hope that the Campus Police and the MIT administration realize that the rights and well-being of Danieli and Tsang are just as important as the safety of those whom their prosecution is aimed to protect.

Editor's note: The author is pleased to report that just prior to publication the Committee on Discipline elected to permit Danieli and Tsang to return to MacGregor. The opinions in this piece reflect on a more general issue, of which the MacGregor case was only an example.

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THE ARTS

MTG's *Company* is a roller coaster of comedy, emotion

COMPANY

MIT Musical Theatre Guild
 Music and Lyrics by Stephen Sondheim.
 Directed by Bob DeVivo.
 Starring Christopher Drew '95.
 Feb. 3, 4, 9, 10, 11 at 8 p.m.
 and Feb 5 at 2 p.m.
 La Sala de Puerto Rico.

By J. Michael Andresen
 STAFF REPORTER

After several years of mediocre, and occasionally awful, musical theatre productions, the MIT Musical Theatre Guild has hit the nail squarely on the head with their current production of

Stephen Sondheim's *Company*. Director Bob DeVivo inspires his cast to work as a closely-knit ensemble, a fact which is reflected in the show's impeccable cohesiveness. From the first view of the gorgeous set (including a silhouette of the New York skyline in the background) to the final bars of the finale, MTG treats its audience to a roller coaster of comedy and emotion and wonderful singing.

Company relates the situation of Robert (Christopher Drew '95), a thirtysomething single guy living in New York City. The main problem in Robert's life is that he is single and his married friends are apt to remind him of this. We get to examine a slice of Robert's life and his varied relationships with his three

girlfriends and his married friends, as well as his views on love and marriage. Sondheim's songs are full of emotion and deal with the problems and pitfalls of married life, including divorce, adultery, and boredom. The ending is refreshing, in that it is not the standard fairy-tale conclusion but rather an ambiguous, incomplete catharsis that leaves a more lasting impression on the viewer.

The cast does a wonderful job with Sondheim's music. Drew is particularly impressive in the lead. He is uniformly charming in his speaking and singing parts, and genuinely moving when the part calls for it. When he belts out his summary of what he's learned about life and love in the finale "Being

Alive," everyone can feel his torment. Drew's performance is alternately hilarious and immensely powerful, a real treat to watch all around.

The supporting cast is no less impressive. Amy, the neurotic bride-to-be, is wonderfully played by Tracy Harris W'95. She sings the lyrics of "Getting Married Today" just slightly ahead of the already quick tempo, giving the audience an uneasy feel about her character. The spoken part is very well-delivered, as her words and gestures give the appearance of a very disturbed woman. Cara B. Loughlin '96 is equally good at portraying the dim-witted

Company, Page 7

Boys portrays bittersweet, unconventional love story

BOYS ON THE SIDE

Directed by Herbert Ross.
 Written by Don Roos.
 Starring Whoopi Goldberg,
 Mary-Louise Parker, and Drew Barrymore.
 Sony Cheri.

By Craig K. Chang
 STAFF REPORTER

In one scene during *Boys on the Side*, a man asks a woman why two adults can no longer have fun, get drunk, and then have great and carefree sex. Her response is one of silence, but we slowly discover an extended response through the growing relationship of two women.

Jane and Robin, played by Whoopi Goldberg and Mary-Louise Parker, discover conventional romance is utterly inappropriate during emotional upheaval. Only from far away, *Boys on the Side* plays like diffuse tragedy — it's a shame, because the movie has some good things to say when it isn't tangling itself in a gender-independence agenda presupposed by the film's title.

Though *Boys on the Side* begins with a cross-country road trip that captures a sense of female bonding and liberation, its core about relationships and vulnerability carefully cradle

genuinely warm scenes between Goldberg and Parker. Almost too carefully, it harnesses the rapport between Goldberg's Jane and Parker's Robin. The movie makes us work hard to see through awkward scenes of Jane, a lesbian, flirting with other women. Equally difficult is seeing past Robin's bout with AIDS as just another plot gimmick.

Yet the sweetness between these characters perseveres through the film's careless dissipation of any energy that builds up. In a silly subplot, Jane's friend Holly (Drew Barrymore) accidentally murders her abusive boyfriend. The movie skates on thin ice as it catalyzes the liberation of the three women from men by the brutalization of Holly's drunk boyfriend. And when the trio laughs off the incident on the road, even the humorous role reversal on men seems only a cheap trick.

The heart of the movie's most effective moments explores the tensions that arise from presumptions about

romantic love. Robin feels a void in her life not only because she is HIV-positive but also because she never had any luck with guys. Jane, a sort of failed lesbian, sets herself up for disappointment by falling in love with Robin, straight and terminally ill. As the two set out on a trip together and become good friends, it

is obvious that any possibility of romance will remain forever unrequited, lest it burden their special bond.

As a final prayer that things will get better, the road trip Robin takes helps her come to terms with her growing self-doubt. But tensions flare between Jane and Robin until the moment they can admit their love for each other in a non-sexual manner. This relationship, as we learn, is not based upon the silly banter between girls and boys, but the special connection between two women. At the fringes of death, Robin shares with Jane an honesty and a capacity for empathy only found outside the arena of romance, either gay or straight.

Someone should pare down *Boys on the Side* to its barest moments of quiet elegy. Then, it could more fairly draw admiration for its warm look at how two mature women try to define themselves through each other and not through their previous, failed relationships.



Jane (Whoopi Goldberg) and Robin (Mary-Louise Parker) sing together in *Boys On The side*.

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Orchestra, choreography bolster refreshing *Company*

Company, from Page 6

stewardess girlfriend of Robert, glibly admitting that she's dumb in one of the musical's funnier lines.

None of the cast has a weak voice. Each solo is delivered with feeling and great strength. Debbie Hyams '97 sings a thoughtfully impassioned "Another Hundred People" about the anonymity of New York life, and Kristin Hughes delivers a cynical "Ladies Who Lunch" about the phoniness of New York socialites. The group numbers are well-balanced and enthusiastic. A great deal of care has been poured into rehearsing this show, and it has paid off beautifully.

Bolstering the strong cast and DeVivo's solid direction are an impeccable pit orchestra and delightful choreography. The pit orchestra, under the direction of

Carson Schütze G, is always perfectly balanced and in tune, and never overpowers the singers. "Unobtrusive" is one of the most complimentary adjectives that can be used to describe a pit orchestra, and it applies here in the best possible way. In a similar way, Regina Schoonover's choreography never gets in the way of the singing, but is wonderfully entertaining in its own right. "You Could Drive a Person Crazy" and the vaudeville parody in "Side By Side By Side/What Would We Do Without You?" (complete with hats, canes, and a kickline) are true masterpieces.

MTG did a great job with this production. If you've been turned off of MTG in the past (or if you've enjoyed the solid yet unimpressive shows of recent memory), *Company* is a wonderfully refreshing change.



SHARON N. YOUNG PONG—THE TECH
(Left to right) Peter (Jonathan E. Hardy '95), Larry (William H. Lee '95), Robert (Christopher Drew '95), Paul (Richard N. Damaso '95), Harry (John M. de Guzman '97), and David (Sean P. White) perform in the Musical Theater Guild's production of *Company*.

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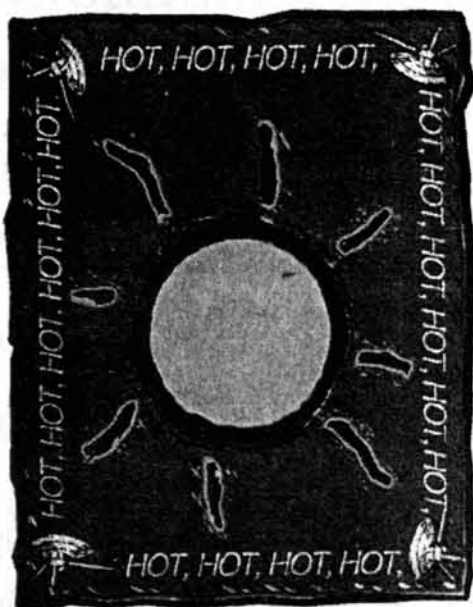
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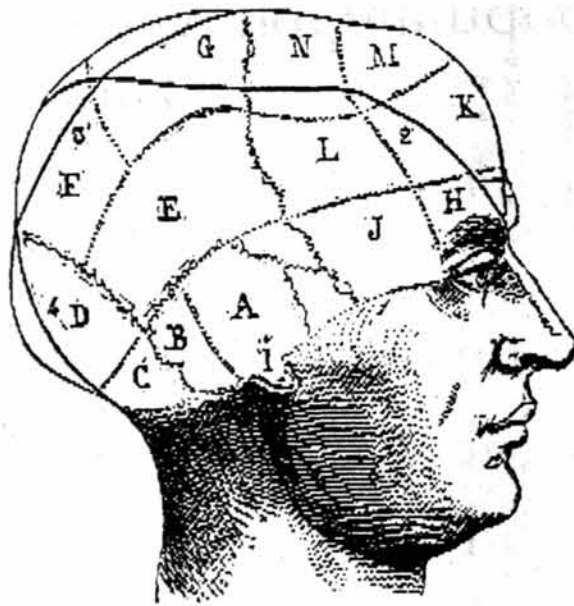
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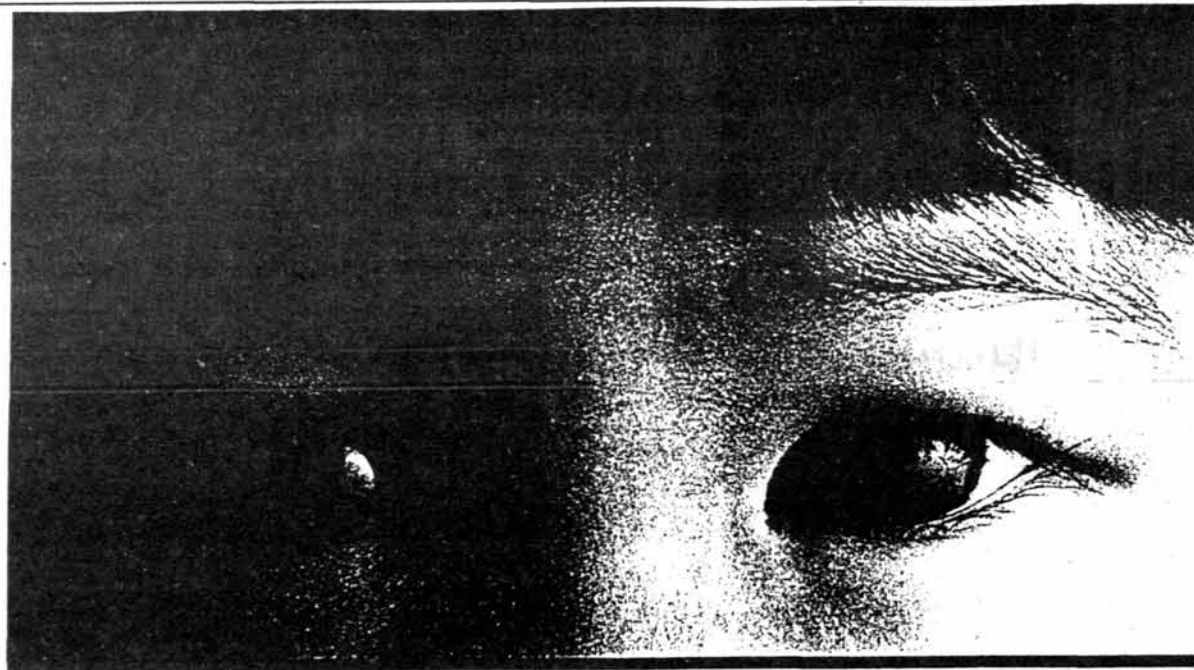
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Deutch Declines CIA Head Job Offer

By Ramy A. Arnaut
 EXECUTIVE EDITOR

Institute Professor John M. Deutch '61, currently the deputy secretary of defense, has removed himself from consideration for the post of director of Central Intelligence, according to a Jan. 19 report in *The New York Times*.

In a surprising statement in the *Times*, unnamed associates of Deutch said that in addition to his reluctance to leave his current job, where he enjoys widespread power and respect, Deutch was concerned that being the CIA head might prevent him from eventually pursuing the MIT presidency.

"I regard John Deutch as the most talented, effective academic administrator I know," said Chairman of the Corporation Paul E. Gray '54, who served as president when Deutch was provost. Gray declined to further discuss his views on Deutch's possible designs on the MIT presidency.

Deutch has since dismissed the idea. "Any suggestion in *The New York Times* about what I might do in the future was mere press speculation," he said last week. "It would be presumptuous to suggest that I will be involved in the running of any organization whose initials are not DoD."

Deputy Attorney General Jamie Gorelick, Vice Chairman of the Joint Chiefs of Staff Adm. William Owens, and Deputy National Security Adviser Samuel R. Berger are among those still under consideration for the post, the *Times* said.

The CIA position opened up when R. James Woolsey resigned in December.

Nerdkit Wins with Long Arm In 6.270

By Ifung Lu
 ASSOCIATE NEWS EDITOR

"Nerdkit" emerged victorious after the final two rounds of competition in the annual 6.270 Lego Robot Design Competition held Thursday night.

The robot's creators, Weihaw Chuang '95, Eng Keat Khor '95, and Timothy W. Kwan '95, were awarded bright, fluorescent yellow hard hats for their winning design. "We're totally elated. We didn't expect to get here," Chuang said after the competition in 26-100.

This year's contest, called RoboMiners, pitted robots from 50 student teams against each other as they struggled to collect as many foam balls of "ore" and "unobtainium" as possible on an imaginary planet within a 60-second time limit.

Contest scoring was unreal

The scoring for the competition was complex in more ways than one. Collecting the balls of ore earned robots real points, while obtaining balls of unobtainium got them imaginary points.

Robots received double points for moving the balls it picked up to its own territory on the board and dropping them into a shallow bin. A

Academic Council Members Resign

By Shang-Lin Chuang
ASSOCIATE NEWS EDITOR

For the first time in many years, the Institute has the opportunity to redefine the interaction between administrators, faculty, and students as a result of four open positions on the Academic Council, said Professor Robert L. Jaffe, chair of the faculty.

The Academic Council, the highest policy-making body at MIT, is composed of the president, vice presidents, provost, associate provosts, deans of the various schools, and other high-level officials.

Two members of the council, Dean for Undergraduate Education and Student Affairs Arthur C. Smith and Director of Libraries Jay K. Lucker, announced their upcoming resignations last fall.

Two other members — Dean of the Graduate School Frank E. Perkins '55 and Associate Provost for the Arts Ellen T. Harris — announced their resignations in December. All four will officially leave their positions in the summer.

Education a main concern

"The president and the provost are proceeding very deliberately" in selecting replacements for the four, Jaffe said. "They are talking with a lot of people and trying to decide how to restructure this very important aspect of the administration."

"My concern is to see student education issues, as opposed to department issues, strongly represented," he said.

The choice of a new UESA dean presents the opportunity "to completely restructure the way education is represented," Jaffe said. "If we chose a strong and centralized dean, then he will be a source of innovation and there will be very exciting education development," he said.

A dean selection advisory committee, established by the provost, is in the process of collecting student input through a series of forums in living groups, according to Professor Linn W. Hobbs, chair of the committee.

The committee is also interviewing a large number of individuals who work closely with the Dean's Office, Hobbs said.

The committee meets twice a week to interview people in the MIT community about the position, said Assistant Provost for Administration Doreen Morris. The committee will eventually provide the provost with a short list of candidates, she said.

"The president is the individual ultimately responsible for making a recommendation on a candidate," said Provost Mark S. Wrighton. "All such appointments require approval by the MIT Corporation Executive Committee."



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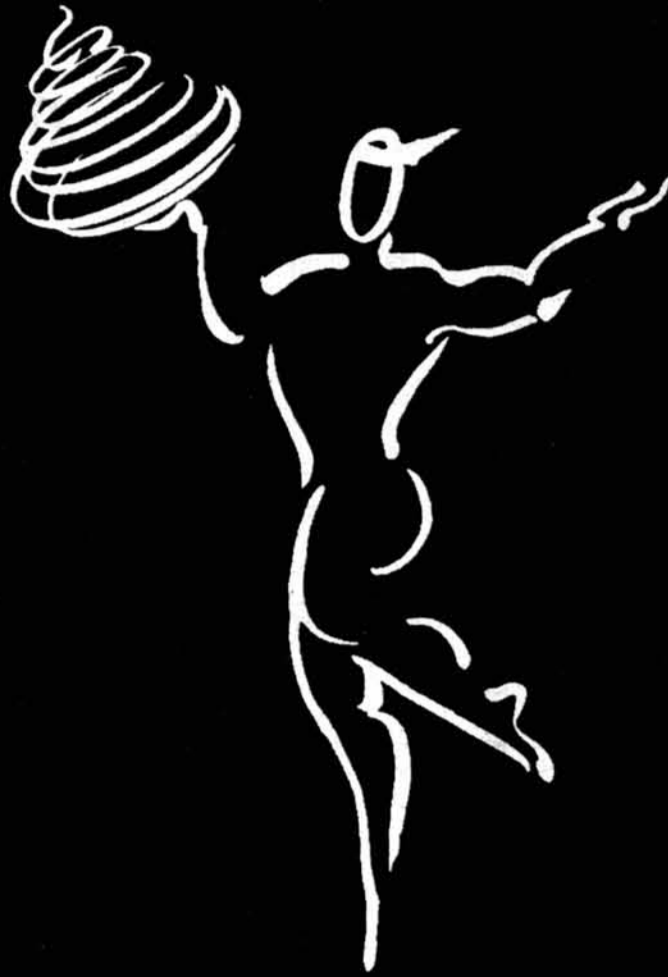
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Seven Honored as MacVicar Fellows

MacVicar, from Page 1

excellence in undergraduate education as Professor Busza. He combines classroom excellence with a willingness to grapple with the broader and sometimes difficult educational issues facing the Institute.

He has led in the development of the new small-class format for [Physics I (8.01)], a format that provides freshman with a better transition to MIT. Efforts of this sort are essential to maintaining the vitality of education at MIT.

Thomas J. Greytak '62

Greytak was honored for his work on Physics III (8.03), including the development of a take-home experimental component and the use of computer graphics to illustrate physics equations.

According to the nominations: He makes his material interesting to a diverse group of students without compromising his very high standards. As a lecturer, he is organized, smooth, and very attentive ...

"I knew Margaret [MacVicar] since we were students together. I knew first-hand her commitment to undergraduate education," Greytak said.

Paul A. Lagace '78

Lagace teaches Structural Mechanics (16.20), and has added real-life situations to the course. Students in the course "had to design the aft section of a fuselage, and I got the students to work in teams and do presentations to try to incorporate what you do in in the real world," he said.

From the nominations: His overwhelming enthusiasm about the material makes the class both interesting and enjoyable. By continuously involving the students in his lectures, he makes the learning process more personable.

"Ever since I've been a faculty member here, teaching has been important to me," Lagace said.

Margery Resnick

From the nominations: Over the years she has inspired hundreds of students to read and think seriously about matters of language, history, ethics, literary value, and comparative cultural meaning. She is always there for students, helping them to build confidence and solve problems.

During her career at MIT, Resnick has been involved in the creation of many aspects of the Spanish literature curriculum, as well as being one of the founders of Women's Studies at MIT.

"I feel like I'm blessed because I love doing what I do," Resnick said. "Everything people do in a way that is connected to teaching can be thought of as a part of [Dean MacVicar's] legacy."

Donald R. Sadoway

"I find it particularly gratifying [to be named a MacVicar fellow] because it means some of my colleagues felt enough about me to nominate me," said Sadoway, a long-time instructor of Introduction to Solid State Chemistry (3.091).

From the nominations: His contributions are enormous and the class is in rapt attention from beginning to end. His lectures are highly articulate yet animated and he has uncommon grace and style. He is truly an exceptional lecturer.

Arthur Steinberg

From the nominations: He has great dedication, skill, and effectiveness as a teacher. His openness and receptivity to students are renowned. Over and over students say they feel nurtured by Arthur, both in class and informal interactions.

Steinberg, in addition to teaching Decline of Empires (21A561) and Religion and Science: Ideas of the World Order (21A213J), is the director of the Integrated Studies Program.

The program "is devoted to freshman and teaching them in a novel way. ISP focuses on technologies and cultures, with hands-on components and workshops," said Steinberg.

Marcus A. Thompson

From the nominations: He is single-handedly responsible for the development of the extraordinary performance arm of the music curriculum. The Chamber Music Program which he initiated is traditionally oversubscribed and the competition to gain admission is fierce.

It was through his persistence and ultimate guidance that the dream of new music practice rooms in Building 4 was realized. His vision and imagination have provided MIT students with the highest quality undergraduate education in music and this has resulted in a vibrant and competitive program in music performance that rivals many music schools.

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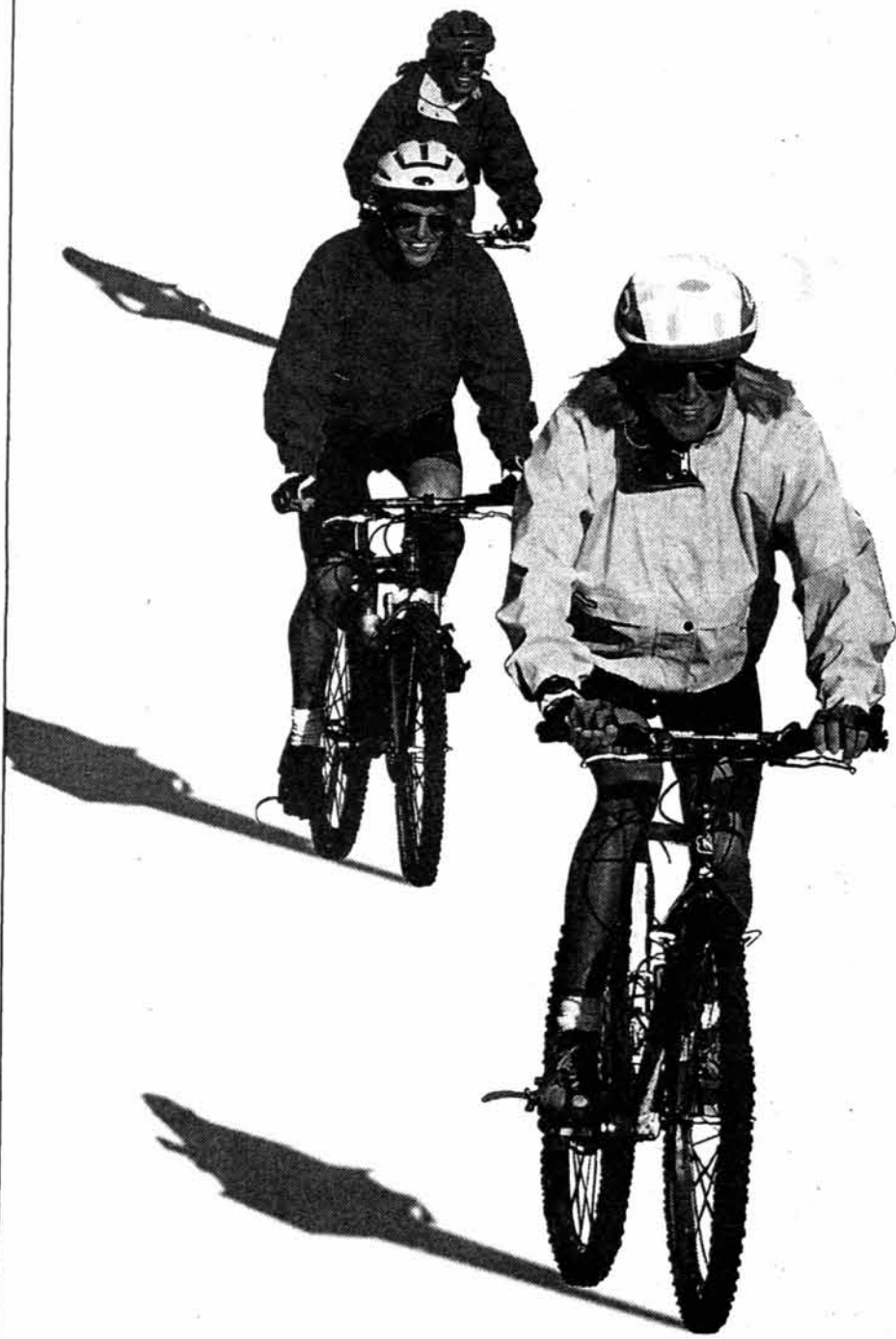
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Harvard Cuts ROTC Program; Institute Studies Gov't Policy

ROTC, from Page 1

have no involvement in the collection and distribution of the alumni funds but would hold the funds in a special account, Rudenstine said.

Disagreement dates back to 1969

The debate on ROTC at Harvard dates back to 1969, when the university withdrew the program's curricular and academic status in response to protests against the Vietnam War.

To compensate, Harvard's Faculty of Arts and Sciences voted in 1976 to allow Harvard students to participate in ROTC at MIT. In 1984 Harvard began to reimburse MIT for the additional costs.

In 1989, Harvard student David E. Carney was dismissed from ROTC after he admitted to a commanding officer that he was gay. That same year, MIT student Robert L. Bettiker '90 was also dismissed after he admitted to an officer that he was homosexual.

In 1990, the FAS endorsed a statement recommending that Harvard end its affiliation with ROTC if the federal government did not resolve "issues of discrimination."

Last year, Harvard faculty members reaffirmed their stance that the government's "don't ask, don't tell" policy on homosexuals violated Harvard's non-discrimination policy.

The policy protects members of the military from being questioned about their sexual orientation but does not ban discrimination against homosexuals in the military.

Mixed reaction to proposal

Harvard student groups, including the Bisexual, Gay, and Lesbian Student Alliance and the Civil Liberties Union, say that they are satisfied with the proposal, according to a Feb. 1 article in *The Harvard Crimson*.

But several other Harvard groups, as well as faculty members, have criticized the plan. Carney, now a student at the Harvard Business School, is dissatisfied with the proposal. "My emotional response to this proposal is disappointment,"

he said in the *Crimson*.

"It seems as though [Rudenstine] is trying to get around the university's commitment to only support activities that don't discriminate," Carney said.

Alumni are also split in opinion over the proposal. Some still think that Harvard's ties with a military-affiliated program like ROTC are inappropriate, according to the *Crimson*. But others view the decision as a reasonable compromise. Many alumni have offered to lend financial support to continue Harvard's participation in the program, according to the *Crimson*.

MIT still undecided

The ties to ROTC also violate MIT's non-discrimination policy. MIT presently has a working group which is "monitoring the implementation" of the government's policy at MIT and will report on its findings in the fall of 1995, according to Sarah E. Gallop, assistant for government relations in the presi-

ROTC, Page 19

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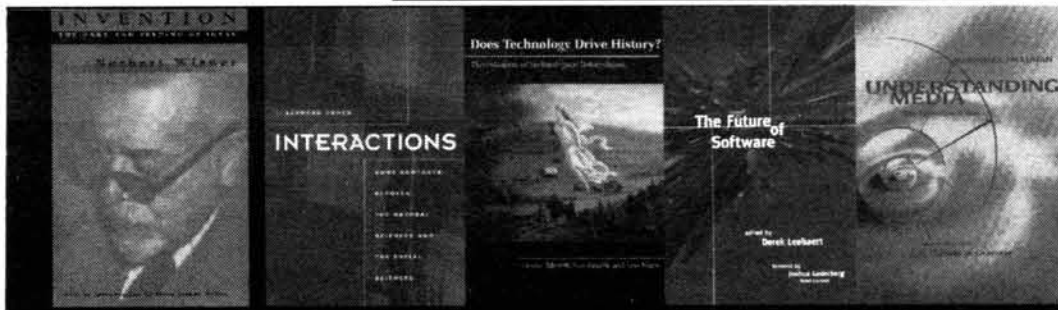
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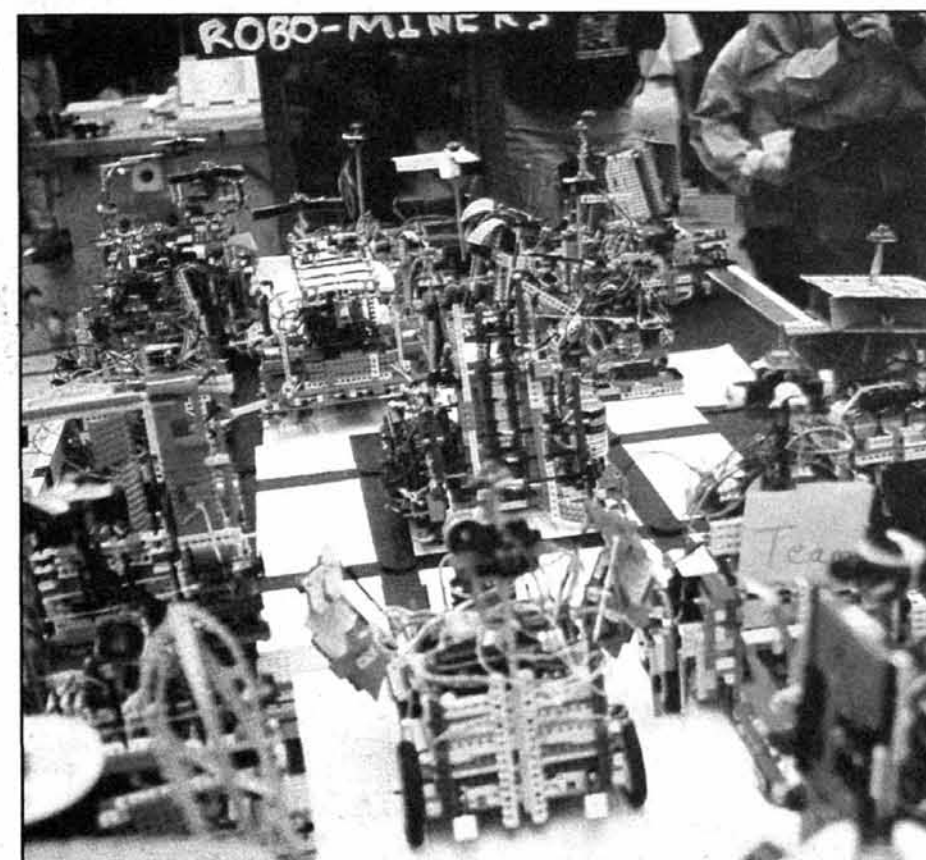
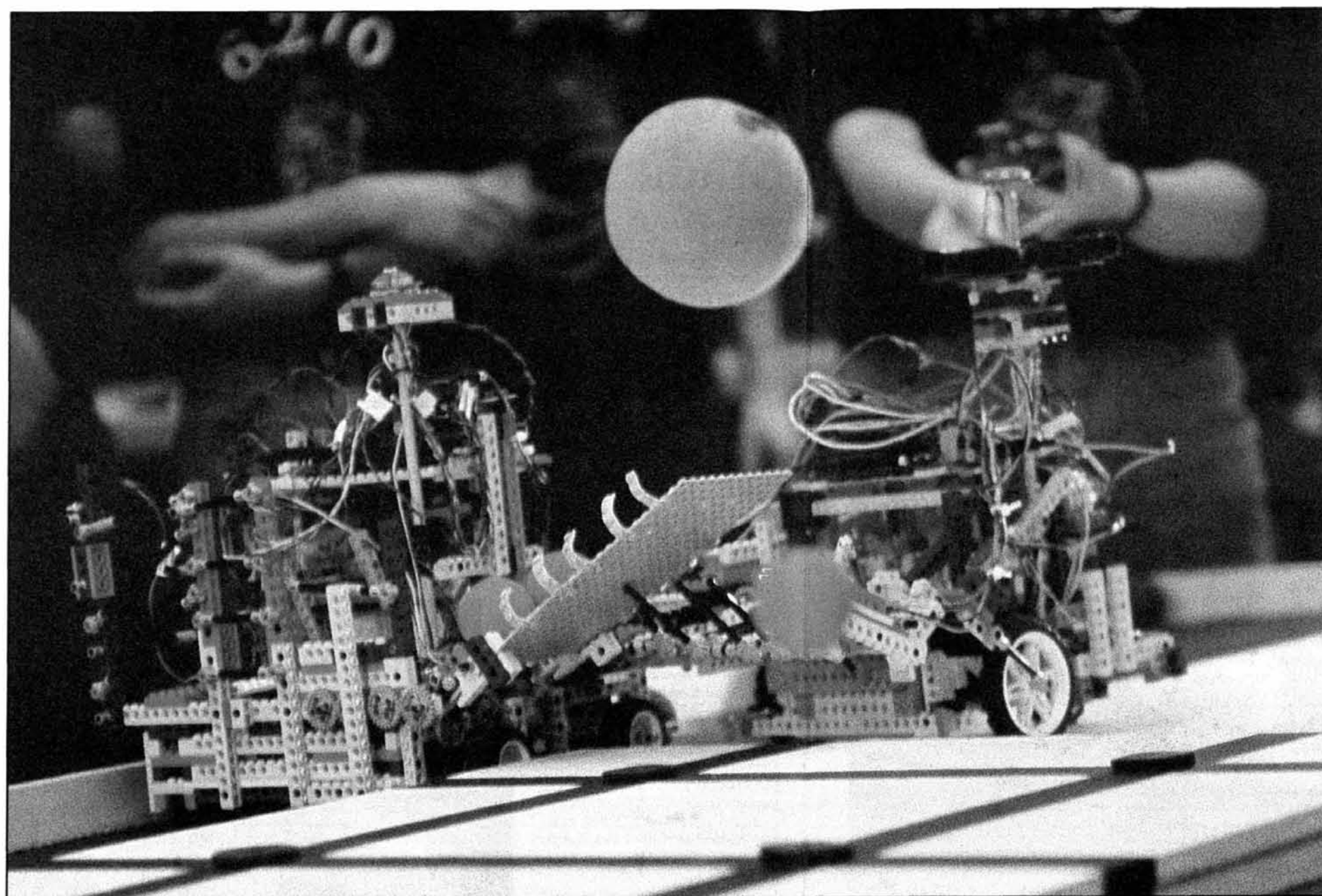
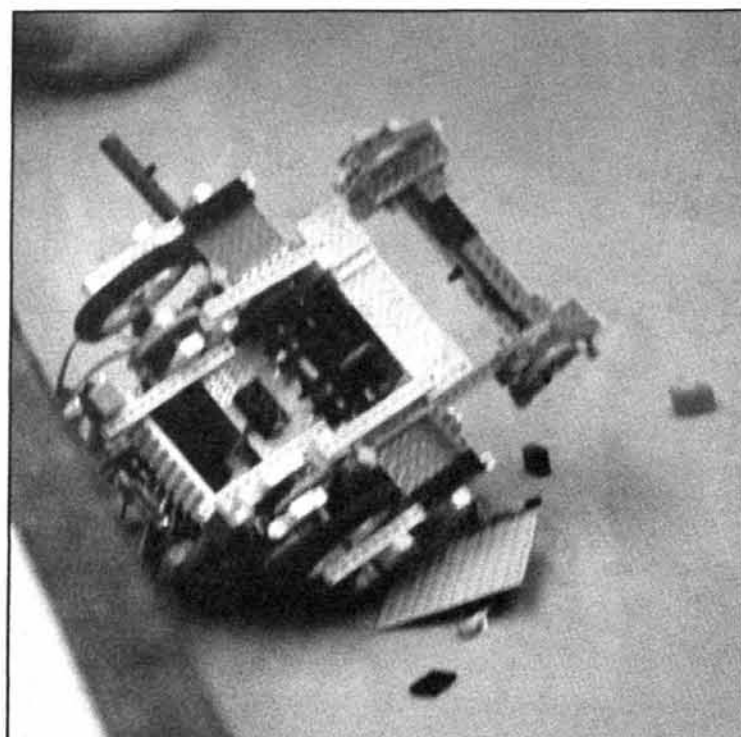


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6.270 LEGO ROBOT DESIGN COMPETITION



Clockwise from top:

This year's competition saw many collisions between competing robots. These two robots became entangled during the finals last Thursday night.

Between rounds, robots were impounded on tables to protect them and to prevent modification.

As the competition progressed, anxiety increased. Christine Su '97, Sunnia Lin '97, and Lily Wong '97 watch their robot "Dumbo" during the final round of competition.

Karsten Ulland '94, one of the course's organizers, helps out a student in lab.

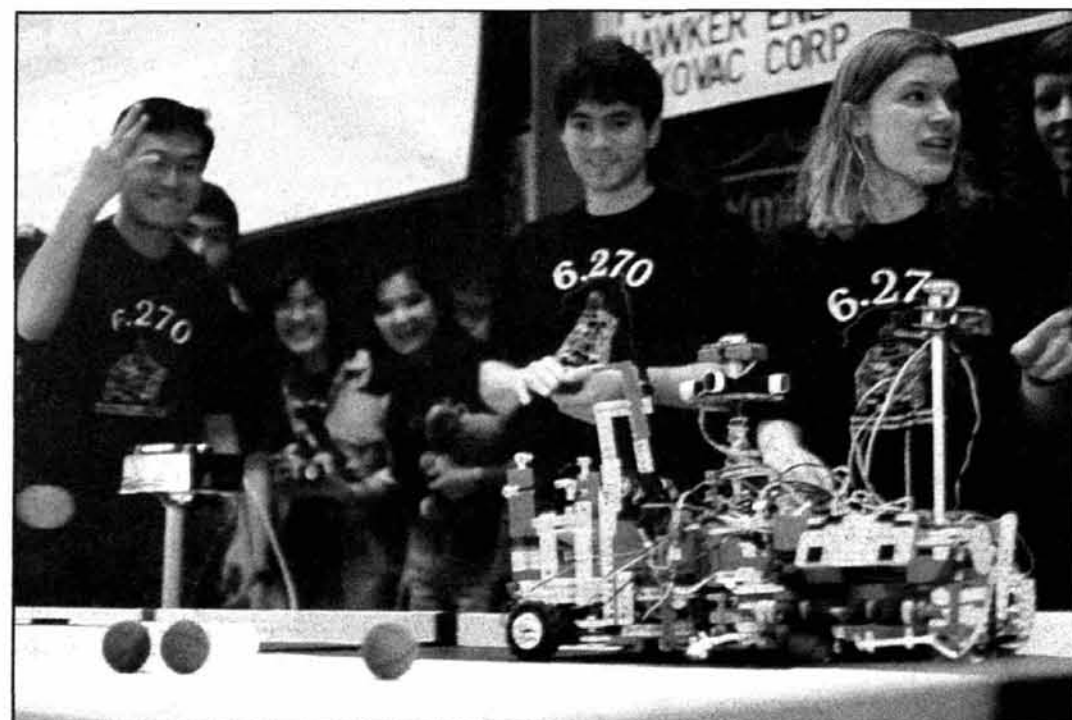
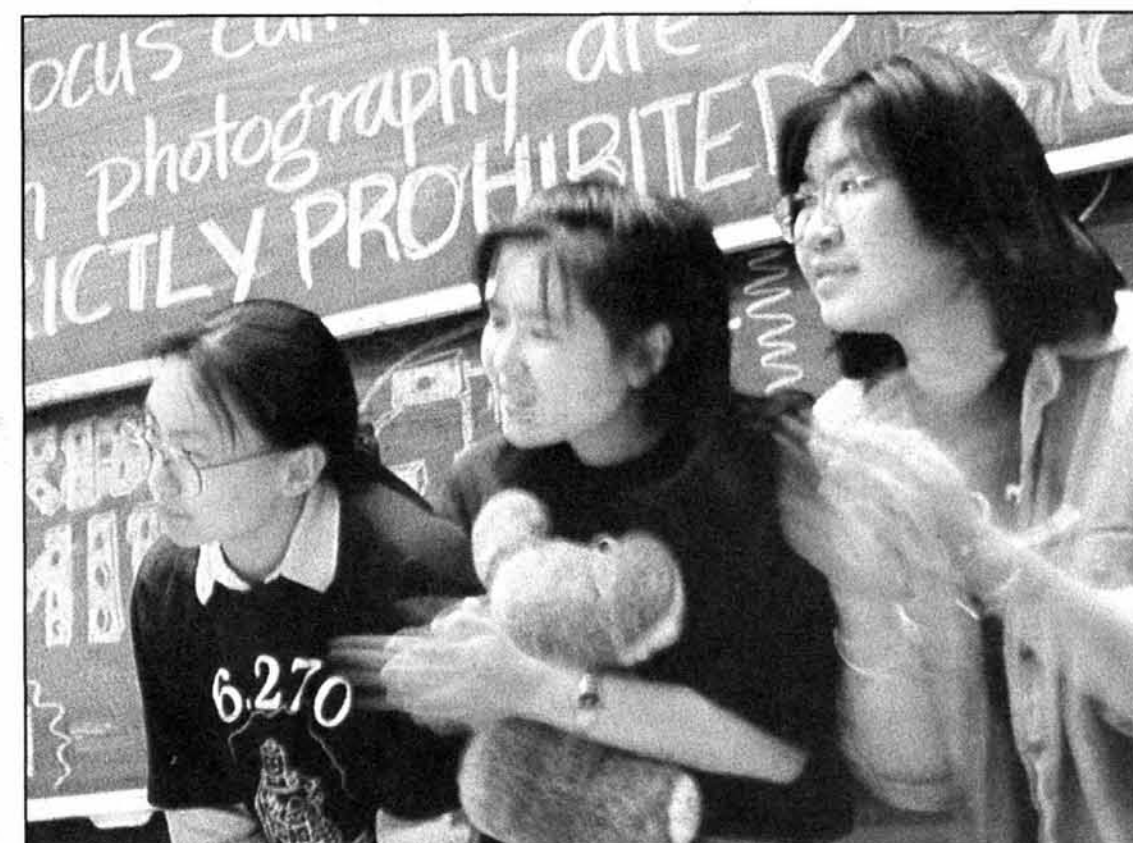
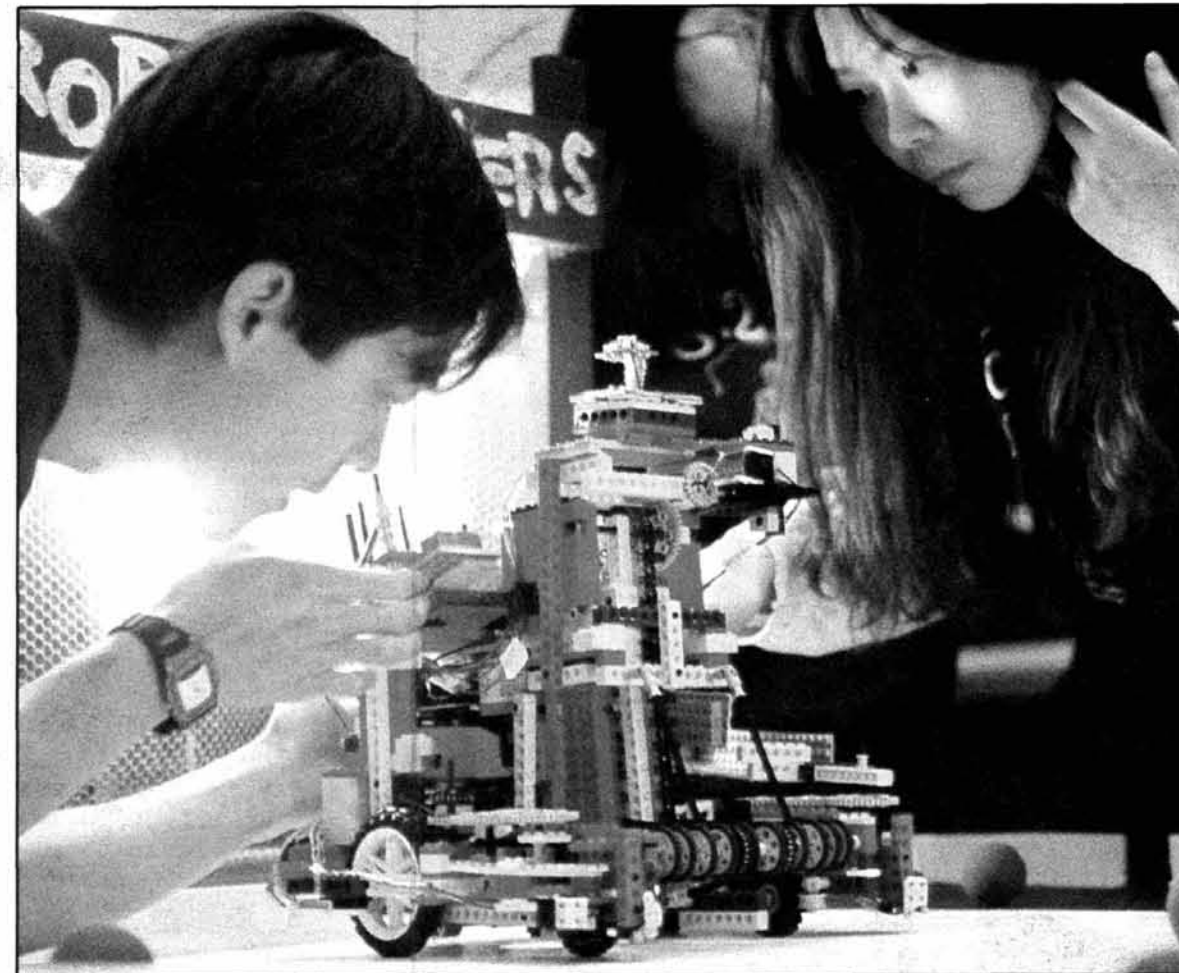
Eng Khor '95, Tim Kwan '95, and Weihaw Chuang '95 celebrate after winning the competition. Their team was the first composed of seniors to ever with the competition.

Judges watch as "Nerdkit" and fluffy, two of the last three robots left in the final round of the tournament.

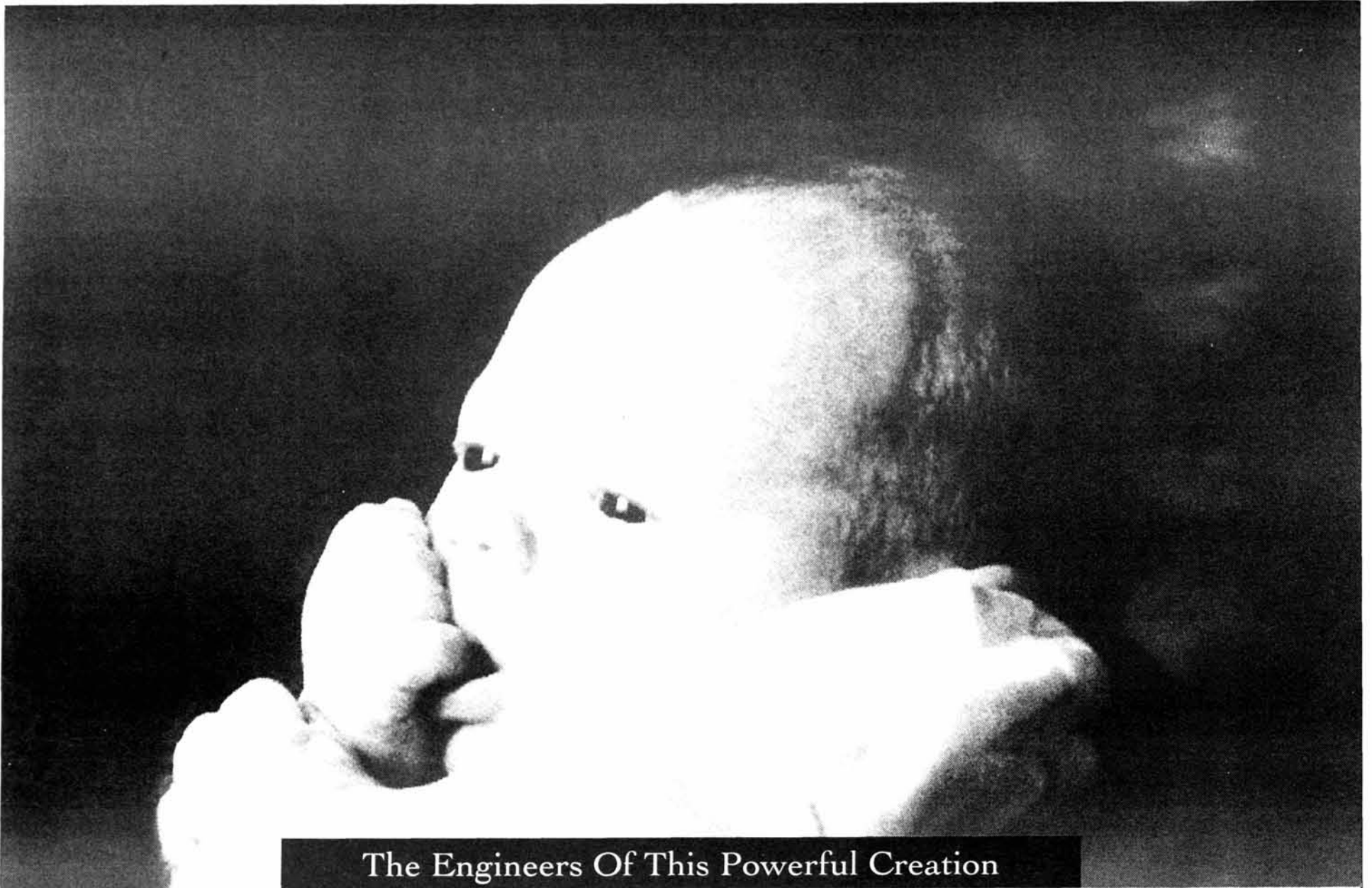
Students spent the month before the competition building their robots. These two students are adding final elements to their machine the day before the competition.

"The Violator" lies on the floor after jumping off the edge of the table.

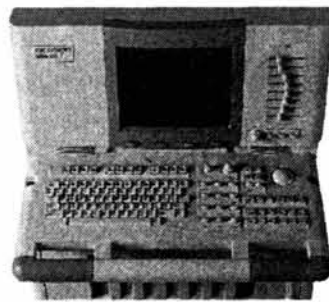
Center: Warren Sze '95 and Trudy Liu '95 position their robot to begin a round of competition.



Photos by Helen Lin, Indranath Neogy, Sharon N. Young Pong, and Thomas R. Karlo



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TECHNOLOGY WITH A GREATER PURPOSE.

Harvard Cancels Funding Of ROTC

ROTC, from Page 15

dent's office. A faculty resolution in October 1990 provided the impetus for the formation of the group.

Gallop said that the Harvard decision has no impact on MIT and the Institute is concerned solely with how the "don't ask, don't tell" policy "is impacting on students at MIT."

President Charles M. Vest will appoint a task force after the working group makes its report. The task force will recommend what action MIT should take in regard to ROTC.

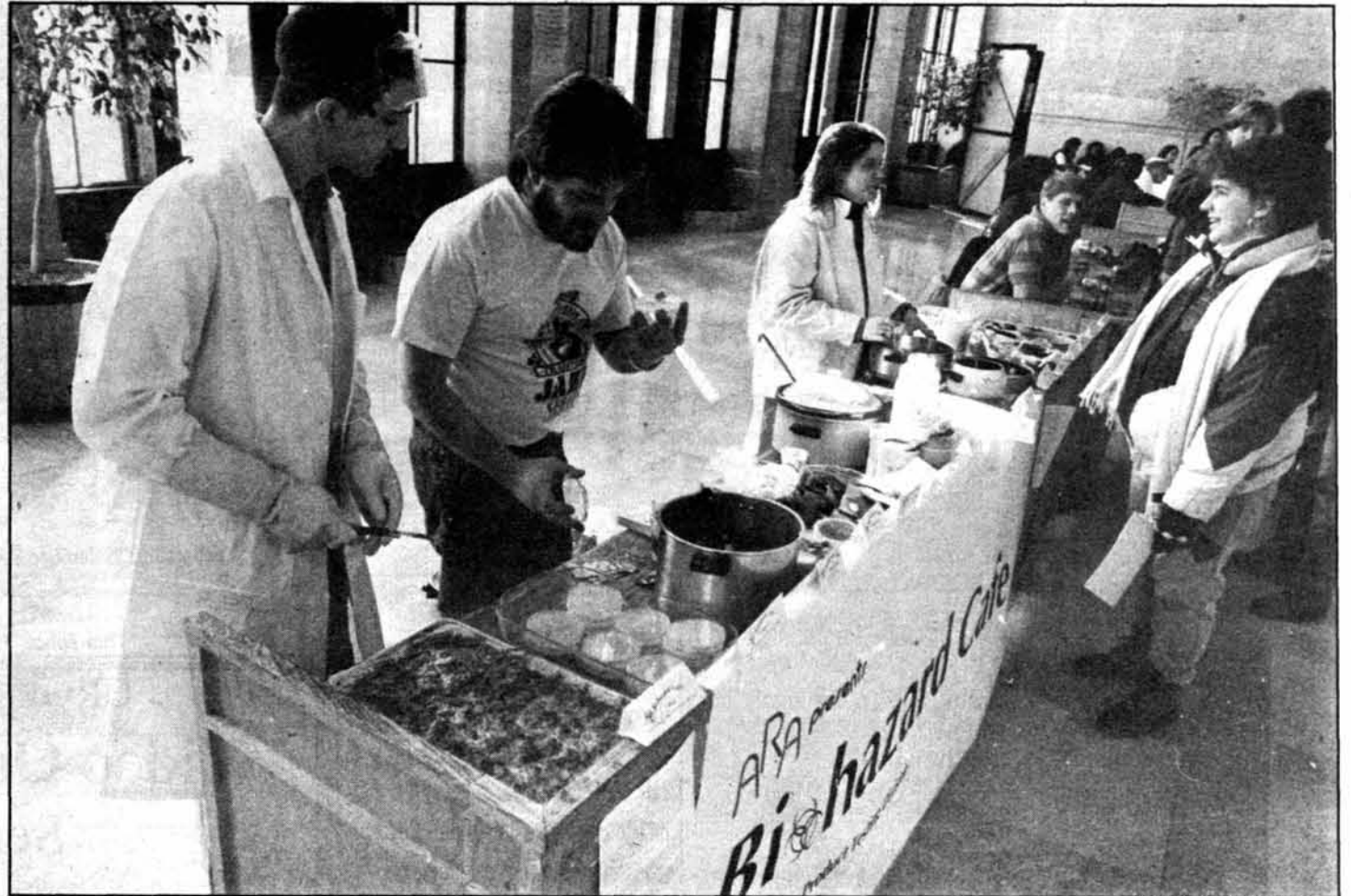
If MIT chooses to sever all ties with ROTC, the class of 1998 will be the first class ineligible to participate in the program, and MIT will have to start giving notice of the change starting in 1996.

Gallop said that while ending discrimination against homosexuals is a goal of the Institute, MIT sees the "don't ask, don't tell" policy "as a step forward."

Bettiker says that he is satisfied with the Harvard decision. "I thought it was a good stop-gap decision for the short-term," he said.

Bettiker said that he thinks that "if all the other avenues have been exhausted," and the alternative is procrastination, then MIT should discontinue its association with ROTC.

Bettiker also said that MIT could refuse to grant credit for ROTC courses, deny faculty membership to ROTC professors, or push for the relocation of the ROTC program to Boston University as smaller efforts to weaken Institute ties to the program.



Students traveling down the Infinite Corridor Monday morning could pick up a bite to eat at the Biohazard Cafe, set up in Lobby 10. The passersby could sample such delights as MITochondria ("Fresh from the cells!") and Lab Mice on Rice. THOMAS R. KARLO - THE TECH

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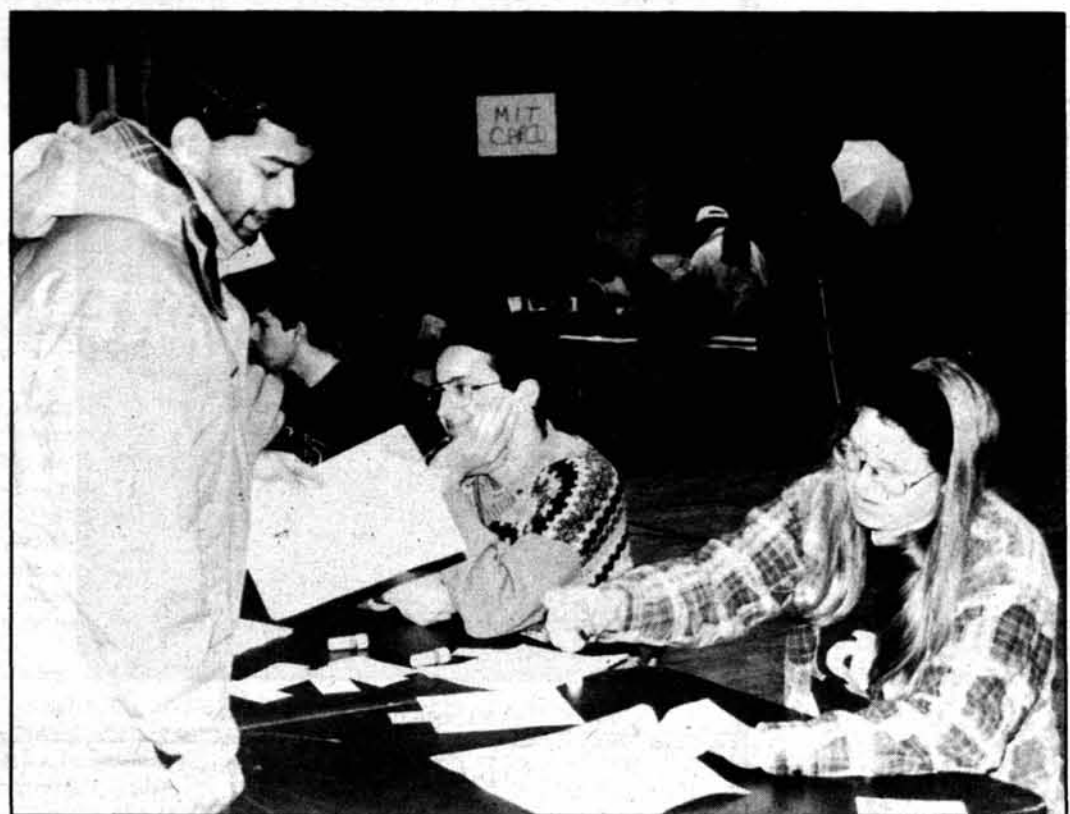
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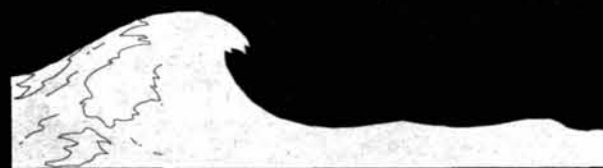
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FIND OUT FIRST-HAND

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Science Discussions To Cover Wide Range of Topics

Summit, from Page 1

A renewed partnership between research universities and the government "requires that we look forward, not backward, and face the challenges of a new era," Vest wrote. "It requires that we set a good balance between immediate national needs and the long-term good of the country."

The government must provide strong funding for basic science research as a long-term investment, Vest said. And it must "work in partnership with private industry and academia to identify those areas of technological advancement that are most critical to the well-being of the nation," he wrote.

Sessions on research, education

After lunch, Jeremy R. Knowles, dean of the faculty of arts and sciences at Harvard University, will chair a session on "Basic Research and Industry: Perspectives on the Life, Physical, and Information Sciences."

The third session, "Education for our Future Industrial Needs" will be chaired by M. R. C. Greenwood, associate director for science in the U.S. Office of Science and Technology Policy.

At the closing session, Professor Ernest J. Moniz, head of the Department of Physics, will moderate a discussion, and Vest will give some closing remarks.

Individual talks will cover a wide range of issues. William F. Brinkman, a vice president at Bell Laboratories, will discuss the need for systems engineering, software, and advances in integrated circuit technology and photonics in order to deliver broadband telecommunications.

Sheila Tobias, a consultant to the Research Corp., will discuss changes she thinks are necessary in undergraduate science education, including the need to consider a science education as preparation for a wider range of career paths.

Several MIT professors and administrators will also participate in the forum. Chairman of the Corporation Paul E. Gray '54 and Dean of the School of Science Robert J. Birgeneau will make introductory remarks.

Professor Phillip A. Sharp, head of the Department of Biology, and 1993-94 Compton Lecturer John A. Armstrong, retired vice president for science and technology at IBM, will speak during the afternoon sessions.

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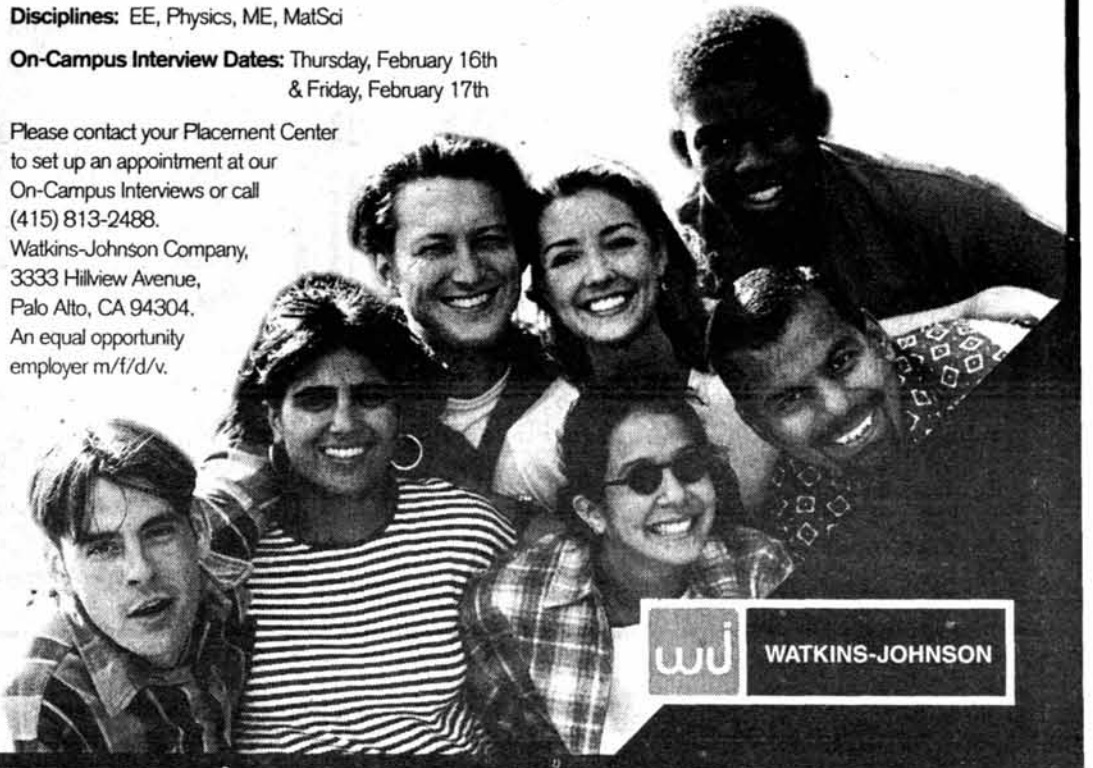
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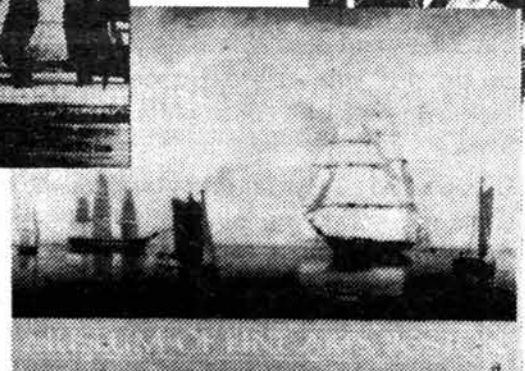
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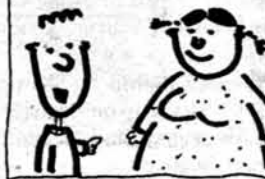
Jim's Journal

by Jim

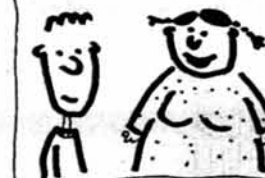
Ruth came over today.



Tony came by too, and told Ruth, "Are you getting your six glasses a day?"



Ruth smiled and said, "That's what they say, isn't it?"



Then she told Tony that tap water is fluoridated, which she knows because she's a dentist's assistant.



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MEDICAL DEPARTMENT

Building E23

February 1, 1995

To the MIT Community:

The Medical Department's **weekend service**, which is intended for the treatment of health care problems which need immediate attention, has experienced a significant increase in patients over the past year. This occasionally has caused long waits before our patients can be seen by a medical provider. To reduce waiting time we are taking two steps:

1. We have **increased staffing** during the busy hours;
2. Beginning February 11, 1995, we will **book appointments** for the hours 10 a.m. to 5 p.m., Saturdays and Sundays. Phone calls for these appointments will be accepted beginning at 8 a.m. **only on the day you wish to be seen.** Advance appointments will not be accepted unless ordered by your medical provider. The appointment number is **253-4481.**

If you have a medical problem over the weekend, we encourage you to call 253-4481 before you come in. When you call, a medical provider will decide whether your problem can be handled over the phone, whether you need to come in for an evaluation, or whether your problem would be more appropriately dealt with during regular weekday office hours. The weekend service is open 24 hours and **you will be seen if you arrive without an appointment, but your chance of a wait is reduced if you call ahead of time.** Please keep in mind that emergencies take precedence over everything.

The weekend service is intended for non-routine care. For routine care, please continue to call 253-4481 for a weekday appointment 8:30 a.m.-5 p.m., Monday through Friday.

We hope that these steps will make our services more convenient for you.

Sincerely,

Annette Jacobs
Executive Director

With Long Arm, Nerdkit Grabs 6.270 Championship

Contest, from Page 10

robot could earn an even greater bonus by placing balls into one of the two air streams on its side of the table.

In the fiction of the competition, getting an ore ball into a robot's own air stream "transmuted" the ball into the more valuable unobtainium.

Further complicating scoring was inclusion of the *j*-device, a large orange foam ball, the capture of which increased the value of any ore balls the robot had already obtained. Getting the overall point tally involved a curious application of Calculus II mathematics: The final score was the square root of the sum of the squares of the real and imaginary points.

The competition brochure offered this explanation of the scoring: "Don't worry too much about the math here. ... Putting ore in the air stream is very good, but getting the *j*-device makes everything in the air stream worth more."

Winning strategy: mine ore

The competition produced many different designs, including scavengers, robots geared toward collecting unobtainium, and robots designed to place ore in the transmutation streams.

"We had a lot of ingenious mechanisms, but not that many had unusual tactics," said Owen B. Wessling '95, a 6.270 teaching assistant. "We really came up with a contest that we think is fun and interesting," he said.

Nerdkit's winning strategy capitalized on the large number of points awarded for placing ore in the air stream. It collected the four balls of ore on the left side of the playing field and attempted to place two balls into the transmutation streams with a mechanical arm.

"We went through a gazillion designs. The idea [of the arm] from a mechanical point of view was the simplest," Chuang said.

The name of their robot came from the electronic kits issued to Introductory Digital Systems Laboratory (6.111) and Computation Structures (6.004) students, according to Khor. "6.111 and 6.004 deal with computers and digital systems. This is our nerd kit," Khor said of the team's robot.

"This is the crowning achieve-

ment of my MIT experience," Khor said. "We're definitely happy. It's worth it," Khor said.

Robots arise from hard work

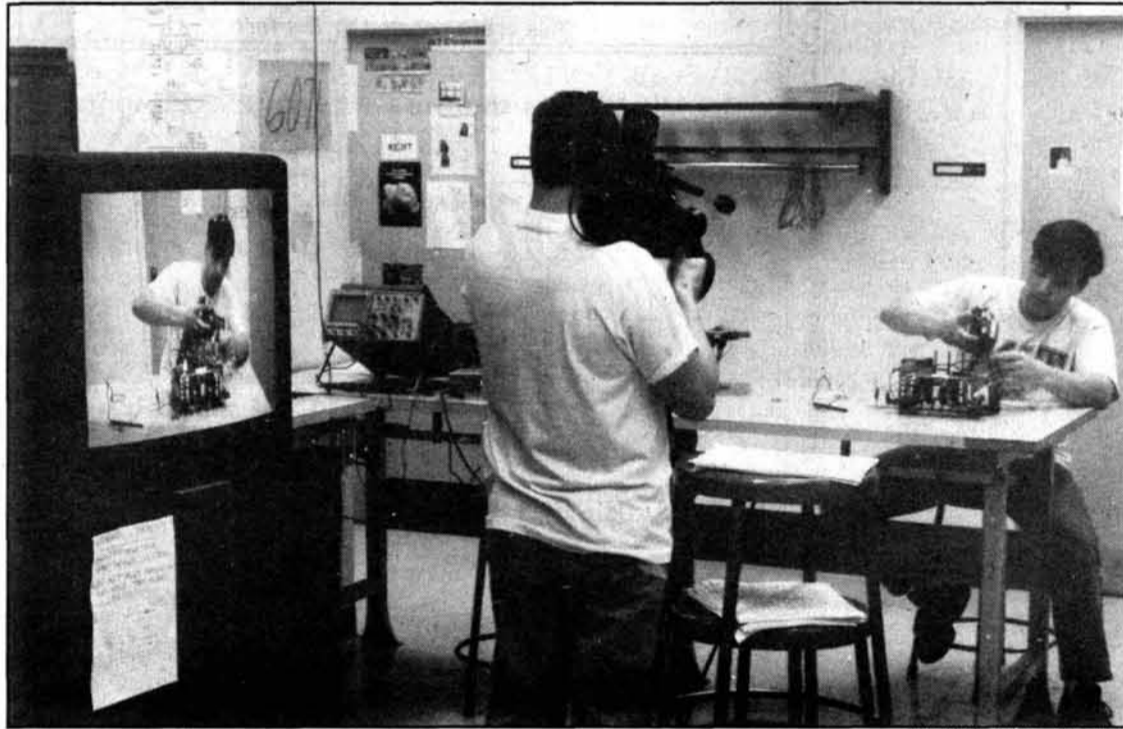
Chuang, Khor, and Kwan created their robot from the kit of Lego parts and unassembled microprocessor boards issued to each of the competing groups, Wessling said.

Each robot must be able to withstand physical stresses while performing its programmed strategy, Wessling said. "We suggest that students' robots be able to [survive] drops from 4 to 5 feet," he said.

Robots have to pass three quali-

fication tests before being allowed to compete in the final rounds, Wessling said. Each robot must fit within a one cubic foot volume, emit an infrared light at a specific frequency throughout the match, and demonstrate an ability to gain points.

Robots satisfied the third requirement by competing in two preliminary rounds before the final competition. All the robots were then impounded to keep them tamper-proof until the final rounds. "We told [students], 'You must go home and sleep. You must go home and shower,'" Wessling said.



THOMAS R. KARLO—THE TECH

Two 6.270 students work on recording their video journal. The journals were filmed during the course and submitted along with written journals at the end by those students taking the course for credit.

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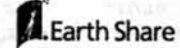
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Rules and Guidelines are available from the History Office, School of Humanities and Social Science, Room E51-210, 253-9846. The submission deadline is **Thursday, April 13, 1995, 5:00 p.m.**

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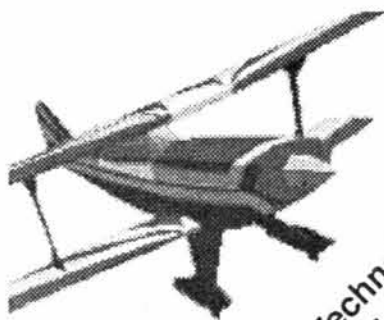
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We look forward to seeing you March 2nd 1995. And remember to get us your resume's, references, and cover letter as soon as you can. Have a nice day!

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Ashdown to House Only 50 Undergraduates in Fall

Housing, from Page 1

that concrete planning" can occur. Plans for construction will not be considered until the summer or fall, he said.

Smith's statement came at the end of Independent Activities Period, when President Charles M. Vest had said a decision about the future of Senior House and other dormitories would be made by senior administrators.

Ashdown chair pleased

In his announcement, Smith scaled down the SHPC's plan for full conversion of Ashdown House, currently a graduate dormitory, for undergraduate use. Smith said that only about 50 spaces in Ashdown

would be used for undergraduate housing next fall to "relieve the potential overcrowding in undergraduate housing."

The changes can be made "without harmful effect on the graduate student community and can produce a good undergraduate experience for those who would live there," Smith said.

"We really have no problem with putting 50 undergraduates" in Ashdown this fall, said Thomas H. Burbine G, Ashdown chair. The course of action Smith announced "is the best of what we could have expected," he said.

Rooms now used to house visiting scientists and visiting scholars would be among those most likely to be converted for undergraduate

use, Burbine said.

Burbine also said he was pleased that the Senior House renovations had been scheduled for the summer. "That means that they won't be putting Senior House residents in Ashdown" during the academic year, he said.

The administration's intentions regarding new graduate housing are still unclear, Burbine said. "Most of us feel that [administrators] pretty much have made up their minds" to build the new dormitory at a site on Sidney and Pacific streets, and cannot be persuaded otherwise, he said.

Over the past few weeks, graduate students have criticized the Sidney and Pacific location as inconvenient and crime-ridden.

Although Smith promised an open meeting to discuss additional graduate housing, his announcement "is very, very vague and we're still unsure of how we are getting input into the process," Burbine said.

The increasing moderation of administration proposals and decisions seems to indicate that "whoever complains more gets things across," Burbine said. In the fall, undergraduates organized a vocal lobbying effort to maintain an undergraduate presence at Senior House and East Campus, and the administration plans swerved in

their favor, he said.

However, graduate students have been more vocal over the last several weeks, and may have influenced the administration's decisions, Burbine said.

In his statement, Smith said that the administration had listened to student opinion. "The senior officers of the Institute have received many thoughtful communications from students, alumni, faculty, and staff regarding the renovation of Senior House, overcrowding of undergraduate housing, and the future form and location of graduate housing."



Ashdown House

TECH FILE PHOTO

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SP402(U)/SP403(G) T 12-3pm
 Prof. Jill Ker Conway Rm. 24-112

THE DEVELOPMENT OF FEMINIST THOUGHT IN EUROPE AND AMERICA

SP433 (NOTE TIME CHANGE!) M 7-9:30pm
 Prof. Trudy Palmer Rm. 14N-225

BLACK WOMEN WRITERS: TEXTS AND CRITICS

SP442] MW 1:30-3pm
 Prof. Bettina Brandt Rm. 14N-313

WOMEN AND THE AVANT-GARDE

SP452 7-10pm
 Prof. Ann Russo Rm. 14E-310

POLITICS OF THE FEMINIST MOVEMENT

SP476(U)/SP477(G) W2-5pm
 Prof. Leila Kinney Rm. 5-216

MODERNISM AND SEXUALITY

SP487(G) T 7-9:30pm
 Prof. Jill Ker Conway Rm. E51-111

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Jim's Journal

by Jim



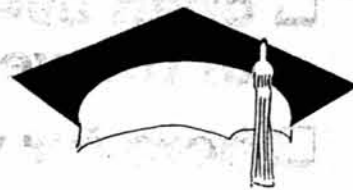
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Jim's Journal

by Jim



FLAME!

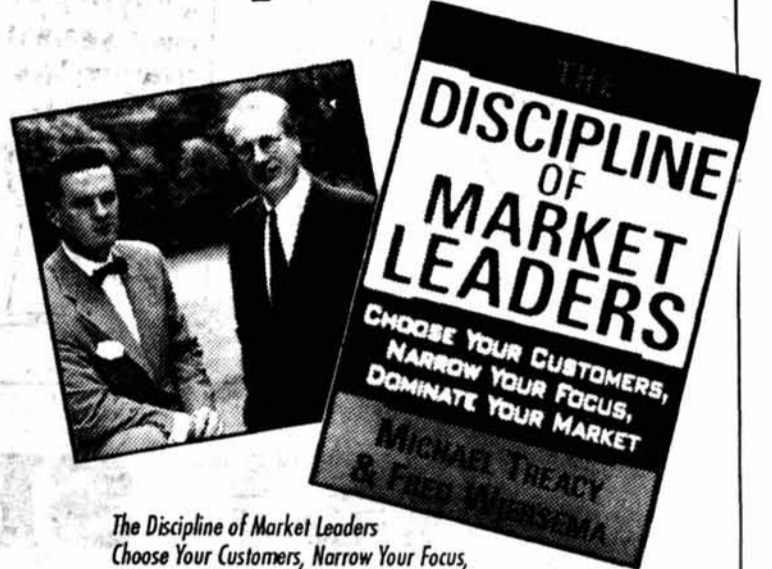
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The book is written for managers of large and small companies alike, those in the lead who wish to stay there, and those looking to move to the top. It is also important reading for entrepreneurs, who will find Treacy and Wiersema's "lens" of customer value to be useful in exploiting lucrative, unfilled market needs. Michael Treacy is a leading authority on business strategy and corporate transformation, and Fred Wiersema is a senior vice president of CSC Index and noted strategist. Both authors consult to many of the world's most successful organizations. Publisher's Price \$25.00
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■ Housing

Cambridge: Room available in 3BR apt near One Kendall Sq (share with two women) \$325/mo. Call David 491-3661.

■ Services Offered

Legal problems? I am an experienced attorney and graduate of MIT who will work with you to solve your legal problems. My office is conveniently located in downtown Boston, just minutes from MIT via the MBTA. If you have a question involving litigation, high tech law, consumer or business law, family law, real estate or accidents, call Attorney Esther J. Horwich at 523-1150 for a free initial consultation.

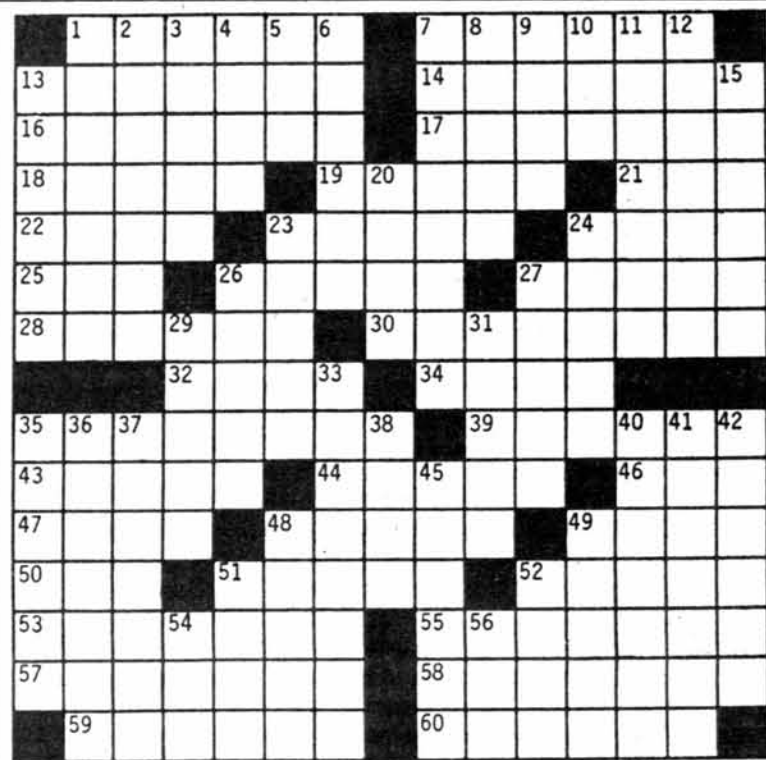
AutoCAD Drafting and Design Let me help! 25 years experience in designing, detailing, and checking of electrical, mechanical, architectural and drawings of all kinds. 10 years an AutoCAD designer. Call George (617) 284-0736.

■ Clubs

Stuyvesant High School Alumni-MIT has a Stuy alumni chapter for YOU! Get involved and keep those Stuy bonds strong! Get to know more upperclassmen who are in your major! For more information, contact Angela at 225-8547.

■ Announcements

Found: Gold signet ring by the turnstiles in the Kendall Square T station, Wed, Feb 1, around midnight. Contact Michael at 253-5764 or michael@psyche.mit.edu.



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- 17 Wreaths for the head
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- 23 Muscular power
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- 56 Southern state (abbr.)

PUZZLE SOLUTIONS FROM LAST ISSUE



SOLUTIONS IN THE NEXT EDITION OF THE TECH

Jim's Journal

By Jim

Today Steve came over and sat in my chair.

I asked what he was up to and he just said, "Eh."

He said he was feeling kind of gloomy for no particular reason.

"Not enough water," Tony said.

I decided to start reading a book today because I was bored.

The other day Steve loaned me a copy of Watership Down and said I should read it.

As I started reading, I noticed the glue on the binding was kind of old.

Then I noticed I could pull out all the pages with no effort.

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SPORTS

Following Penn Victory, Hockey Trounces S. Conn.

By Daniel Wang
SPORTS EDITOR

Posters announcing last Wednesday's men's ice hockey game against Southern Connecticut State University stated that the Engineers sought to gain some respect with a victory over the nationally-ranked Owls. The Engineers were on a roll, coming off a 9-2 romp over Penn on Jan. 27.

Respect was indeed gained as MIT ousted SCSU 5-4 at the Johnson Athletic Center. The victory raises the team's record to 8-1-3, and puts it in contention for first place in the Northeast Collegiate Hockey Association.

While the Engineers move to an early lead, repeated challenges by the Owls made it a close game up until the very end. The next game for the Engineers will be at home on Wednesday, Jan. 15 against Worcester Polytechnic Institute.

MIT moved out to a 3-1 lead in the first period, with little activity in the penalty box. The first MIT goal was scored a little more than five minutes into the game, when Lloyd Johnston G netted a slap shot from the blue line. Jon Shingles '96 and Matt Yurkewich '98 were credited with assists on the play.

The Owls later responded by tying the score with 2:50 left in the period. Brian Bolduc of SCSU stood right in front of the MIT goal, in perfect position to receive a pass across the ice from a teammate. He handily completed the play by stuffing the puck in the corner of the MIT goal, before goalkeeper John Simmons '95 could respond.

In the final minutes of the period, the Engineers found themselves with many opportunities to score, aided by several

SCSU penalties. MIT capitalized on the power play and scored two goals within a minute of each other.

Johnston scored the first, with 1:34 remaining, off a wrist shot that ricocheted off the SCSU goalie's pads into the goal. Yurkewich and Tetsu Inada '97 assisted on the play.

The final goal of the period came off the stick of Jon Shingles '96. Yurkewich took a shot that the SCSU goalie blocked, but Shingles was in a good position to net the puck off the resulting rebound.

More penalties in 2nd period

In the second period, the intensity and roughness of action increased. There were also a few stoppages of play when players appeared to be hurt on the ice.

Both teams had players regularly sent to the penalty box, but the Owls bore the brunt of the referees' calls. The Engineers scored their last four goals on power plays.

There were a few instances where SCSU had two players in the penalty box at the same time. The first one came a little after the 14 minute mark, when Keith McElaney was called for interference, and joined Eric Bolduc, who committed a five-minute penalty for high-sticking.

The Owls almost scored a very short-handed goal with about 13 minutes left in the period and two players in the penalty box. Bill Boguniecki put the puck in the net past a fallen Simmons, but the referee did not award the point since the goal was knocked out of place. The decision caused some visible frustration with

Boguniecki and his teammates.

Seconds later, MIT upped its score with a goal that did count. Apparently, a shot by Shingles hit the pads of the SCSU goalie. However, he did not stop the puck well enough, and it slipped past his pads and into the net. Chad Mikkelson '95 was credited with an assist on the goal. At the end of the second period, MIT had what seemed to be a comfortable 4-1 lead.

SCSU almost comes back

The third period started out in a strange way when the game clock did not restart on time after stoppages of play. On a few occasions, the clock did not move while play was going on. However, neither team was able to take advantage of the mistake, which was promptly corrected by officials.

SCSU inched closer to overcoming its deficit with a goal just over one minute into the final period. Apparently, a player on the MIT defense mishandled the pass while the puck was directly in front of the goal. SCSU player Joe Paul, who was standing nearby, took advantage of the situation scored, placing the count at 4-2.

After a few near misses, the Engineers moved ahead again with a little more than 11 minutes remaining in regulation time. Inada was making a drive to the goal when

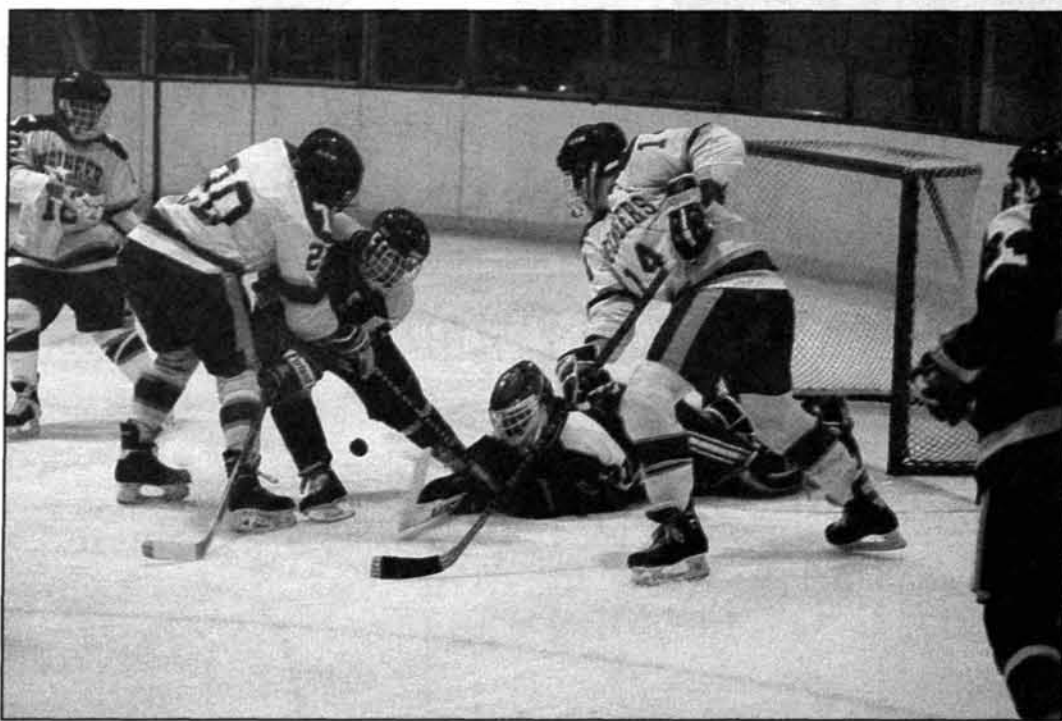
his defender suddenly tripped and fell. This created an opening that allowed Inada pass across the ice to Shingles, who easily stuffed the puck into the corner of the SCSU goal. A few fans threw hats onto the ice to acknowledge Shingles' completion of the hat trick.

Late in the period, however, a pair goals by the Owls less than 30 seconds apart made it a close game once again. Boguniecki scored with 5:06 left in the period, and Paul followed shortly thereafter with his second goal of the night on a shot that bounced off a side goal post into the goal.

The final minute presented some tense moments for the players and the spectators, as SCSU continued to press, hoping for a chance to tie the game. The MIT defense was unable to clear the puck out of its zone until the last 20 seconds of the game, but gave up no more points. As the MIT players left the ice victoriously, the home crowd greeted them with a standing ovation.

Simmons played the entire game in goal and recorded 20 saves, some of which were potentially golden scoring opportunities for the Owls. The offense for MIT was on the attack more often than SCSU, as indicated by the 32 shots on goal it took.

"This is one of our best wins since I've been here," said head coach Joe Quinn.



THOMAS R. KARLO—THE TECH

MIT players spent much of the game crowding the opposing goalie (left) and celebrating (right) during last Tuesday's romp over the University of Pennsylvania men's hockey team.

Women Hoopsters Drop Two Hard-fought Matches

By Thomas Kettler
STAFF REPORTER

In a hard-fought game against the top-ranked Wheaton College Lyons, the women's basketball team lost by a score of 74-52 Thursday at Rockwell Cage. The defeat made the team 0-2 for the week and 9-7 for the season, coming on the heels of Tuesday's 69-67 loss to the Rivier College Raiders.

The Lyons' press created havoc for the Engineers on Thursday. "Our intensity was down at that time, and

we didn't respond to it at all," said head coach Suzan Rowe.

Wheaton started rolling from the beginning with a 9-3 lead after three minutes of play. By the midpoint of the half, they had accumulated a 23-11 lead.

MIT battled back with a 9-2 run to get the score up to 25-20, but the Engineers would get no closer at any later point in the game, as Wheaton answered with strong playing to bring the score 39-23 at the half.

At halftime, as part of the national "Women in Sports Day" festivities, the Windham Middle School women's team put on an exhibition game. The team divided into green and white squads and played for 10 minutes. The green team exploited the white's lack of ballhandlers with a 12-4 trouncing.

The Engineers had one final run in the beginning of the second half and cut the Lyons' lead to eight after just six minutes into the half. Wheaton answered with a run of their own and MIT never got closer than 12 for the remainder of the game.

The only double digit scorer for the game was C.J. Doane '95, with 17 points. The Engineers could only manage 30 percent shooting from the floor. Amy MacKay '97 led the team in rebounds with 17.

Foul crucial in Rivier match

In most of the first half of Tuesday's game against the Rivier College Raiders, the teams swapped the lead often, with neither staying ahead by more than two points.

However, in the final 30 seconds of the first half, the Raiders opened up a six point lead to end the half at 37-31.

In the first five minutes of the second half, the Engineers retook the lead with a 12-2 run to make the score 43-39 after a Doane field goal. Rivier retook the lead, at 48-46, three minutes later in a three-point play.

The Raiders pushed their lead to six but the Engineers eventually answered and MacKay tied the game at 58 on a field goal with 4:38 to play.

Thirty seconds later, Michelle Carpenter converted one of two free throws to give Rivier a 59-58 lead that it would not relinquish. With one-and-a-half minutes left in the

game, the score was 67-61 before MacKay made two free throws, bring MIT within two points.

At this point, MIT fouled Melissa Ayotte after failing to get a steal on the inbounds pass. The play backfired as Ayotte converted the one-and-one opportunity to give Rivier a 69-65 lead with 26 seconds left. Kristin Ratliff '95 made a field goal to make the score 69-67 with 14 seconds remaining.

The Engineers could not get the rebound on the final free throw opportunity for the Raiders and Rivier ran out the clock to win 69-67.

Head coach Rowe expained her position on the foul with 26 seconds left: "They were running the clock down. If we didn't steal the ball within 10 seconds, we'd then foul."



The Tech Sports



UPCOMING HOME EVENTS

Tuesday, Feb. 7

Women's Basketball vs. Nichols College, 5:30 p.m.

Men's Basketball vs. Tufts University, 7:30 p.m.