

Commencement Today

MIT's
Oldest and Largest
Newspaper



The Weather
Today: Cool, breezy, 63°F (17°C)
Tonight: Clear, chilly, 45°F (7°C)
Tomorrow: Warmer, 73°F (23°C)
Details, Page 2

Volume 114, Number 27

Cambridge, Massachusetts 02139

Friday, May 27, 1994

Administrators to Shift Jobs in June

By Josh Hartmann
CONTRIBUTING EDITOR

The vacuum left by last month's sudden death of Vice President Constantine B. Simonides '57 will be filled on June 1, when a reshuffling of senior administration officials will take effect.

President Charles M. Vest announced last week the promotion of Director of Personnel Joan F. Rice to vice president for human resources and Director of Foundation Relations and Development Services Barbara G. Stowe to vice president for resource development.

In addition, Executive Assistant to the President and Director of Public Relations Services Kathryn A. Willmore is expected to be elected secretary and *ex officio* member of the Corporation this morning.

She was recommended by the Corporation's executive committee last night. Her position would start June 1, according to Lois Graham, associate secretary of the Corporation.

Current vice presidents Glenn P. Strehle '58 and James J. Culliton will take on new responsibilities at the vice presidential level after the realignment. Strehle, who currently oversees resource development, will become vice president for finance; he remains treasurer of the Institute. Culliton, now the vice president for financial operations, will become vice president for administration.

Leadership cited

Rice joined MIT in 1972 and has been director of personnel since

Administration, Page 9



THOMAS R. KARLO—THE TECH

Hackers placed this fake Campus Police car on top of the Great Dome in the early morning hours of May 9th.

UROP Benefit Rates to Fall

By Ramy A. Arnaout
ASSOCIATE NEWS EDITOR

Members of the faculty and staff are trying to ease the financial strain on the Undergraduate Research Opportunities Program by reducing employee benefits rates on student funding, according to Provost Mark S. Wrighton.

Comptroller Phillip Keohan "plans to submit MIT's 1995 benefit package with a 'UROP benefit category' that would include only the benefits that the students actually get: Social Security (when not registered), Medicare, and workman's compensation," according to a memorandum to Wrighton from the

UROP working group he formed to solve the funding crisis expected in the fall. "Phil estimates that the total benefit charge will be about 8%," it said, rather than the current rate of 43.5 percent.

Faculty and staff say the plan will likely succeed. While the rate reduction is not yet official, it is "official enough" for the provost to have announced it in his report on the status of UROP at the May 18 faculty meeting, said UROP Director Norma McGavern. "It's not something that there's a lot of doubt about," said McGavern, who is also a member of the working group.

Despite its likely success, a ben-

efit rate of 8 percent will not be a cure-all for the UROP Office, McGavern said. "We knew it was likely to happen, but we didn't want to confuse people more than they were already confused," she said. "We gave our money away as if we knew we were getting more money. Even a difference of 30 percent more than we thought we were going to have was not enough" to avoid a crisis, she said. New government regulations have prompted the UROP Office to call this summer the most difficult funding period in its 25-year history. [See relat-

UROP, Page 7

1,700 Students to Graduate Today

By Reuven M. Lerner
ADVISORY BOARD

About 1,700 students will receive some 2,000 degrees at MIT's 128th Commencement exercises, to be held today in Killian Court.

The Aga Khan, spiritual leader of the Shia Ismaili Muslims, will deliver the Commencement address to the graduates and nearly 8,000 relatives and guests expected to attend the ceremony. President Charles M. Vest will deliver the charge to the graduates, and Corporation Chairman Paul E. Gray '54 will preside over the exercises.

Formal Commencement activities begin at 9:45 a.m. with the traditional academic procession from 77 Massachusetts Ave. to Killian Court. The Aga Khan will deliver his address after an invocation by the Rev. Scott Paradise, MIT's Episcopal chaplain. The Aga Khan's philanthropies have helped the poor in many countries where the Ismailis live.

Following the Aga Khan's speech, Caryl B. Brown G, outgoing president of the Graduate Student Council, will deliver a salute to MIT from the graduate student body.

Class of 1994 President Ann Chen '94 will then present the senior class gift to Vest, who will then give the charge.

Commencement, Page 11

INSIDE

- Graduate dorms to join MITnet Page 6
- UROP short on summer funds Page 7
- Building W2 will join McCormick Page 9
- Students win \$10K for new business Page 10
- Former UAP, UAVP reflect on year Page 8



SHARON N. YOUNG-PONG—THE TECH

Students in the Music of Indonesia class this semester accompany guest J. Nyoman Catra as he dances the Barif Traditional Warrior Dance on May 8th in front of Kresge Auditorium.

Muriel Cooper

MIT NEWS OFFICE

Professor Muriel R. Cooper, a designer, educator and researcher whose work has been internationally acknowledged in exhibits and publications, died, apparently of a heart attack, yesterday morning. She collapsed Wednesday evening while attending a dinner in Boston and was taken to the New England Medical Center. Cooper, who lived in Brookline, was 68.

Cooper, professor of interactive media design in the Program in the Media Arts and Sciences at the School of Architecture and Planning, cofounded and directed MIT's Visible Language Workshop at the Media Laboratory.

"She was a remarkable woman," said Professor Stephen A. Ben-

Cooper, Page 11

WORLD & NATION

Further Documents Show Mrs. Clinton's Trading Was Legal

LOS ANGELES TIMES

WASHINGTON

The White House released additional records Thursday related to first lady Hillary Rodham Clinton's commodities trading activities, in further efforts to show she did nothing illegal or unethical in making her investments.

The White House also issued a brief analysis by a commodities expert who was asked by the Clintons to review her trading, in which he found that she "violated no rules in the course of her transactions."

Leo McLamed, former chairman of the Chicago Mercantile Exchange, one of the nation's largest commodities exchanges, noted in a statement that new data from the Chicago exchange "largely confirms and also complements" records from Mrs. Clinton's brokerage account released last month by the White House, he said.

"These records are being released today in order to give as complete a picture as possible of Mrs. Clinton's trading," said Lisa Caputo, Mrs. Clinton's press secretary.

McLamed said the records provide more detailed information about Mrs. Clinton's first day of trading than was available from the earlier records. They show, he said, that Mrs. Clinton had risked her money in the transaction, demonstrating that it was a legitimate investment and not some form of favorable insider transaction arranged by her broker.

Moon's Craters May Hold Lunar Ice, Mission Suggests

THE BALTIMORE SUN

THE CLEMENTINE SPACECRAFT

The first scientific mission to the moon in 22 years has discovered craters at the lunar south pole that appear to lie in eternal shadow. If the craters never see the sun they may stay cold enough to hold water that was delivered there eons ago by crashing comets.

If further studies confirm the presence of water in the craters, it would be the first ever found on the moon. Such lunar ice could one day be mined by explorers to supply their bases with water or split into hydrogen and oxygen gas to make rocket fuel.

Clementine was launched into a lunar orbit Jan. 25. A computer malfunction on May 7 canceled plans to send it off to photograph an asteroid on Aug. 31. But scientists say the spacecraft — relatively cheap at \$75 million — has accomplished 99 percent of its scientific mission.

"It turns out the moon is a much lumpier planet than we expected it to be," said Johns Hopkins University geophysicist Maria T. Zuber.

During its two months in orbit around the moon, Clementine gathered more than two million images of the lunar surface. Split by filters into 11 different wavelengths of light, the images have already begun to reveal previously unknown details of the moon's mineral composition and geological history.

Clementine has produced the first reliable topographic map of the moon, showing its surface contours in a multi-colored map that is accurate to within 330 feet.

Many Child Safety Seats For Airliners Are Ineffective

THE WASHINGTON POST

WASHINGTON

Many child safety seats and restraints that are sold as approved for use on airliners are ineffective and some are dangerous, according to research done for the Federal Aviation Administration.

In the first comprehensive crash-dummy tests using simulated aircraft interiors, the FAA's Civil Aeromedical Institute (CAMI) in Oklahoma City found that all of the forward-facing seats for 20- to 40-pound children that it tested produced injuries because they could not be sufficiently anchored to prevent a child's head from striking the seat ahead. Gowdy said the institute found that one type of restraint performed consistently as advertised: small rear-facing seats for infants below 20 pounds. "I think these should be encouraged and endorsed by the FAA and the airlines," he said.

The research, which was completed late last year but not released, adds another element to one of the most emotional safety issues in aviation. Until now, safety seats have been certified as approved for both automobiles and airliners, but the CAMI research indicates that airliners may be sufficiently different from cars to require different standards.

Current FAA rules allow children under 2 to be held in parents' laps, and airlines generally allow them to fly for free. The FAA in 1992 ruled that airlines must allow use of safety seats, but the agency has stopped short of requiring them. Such a requirement would increase travel costs for families, who would have to pay for a seat.

WEATHER Clearing

By Michael Morgan
STAFF METEOROLOGIST

Cool high pressure will build into the area this afternoon. Clearing skies and cool, breezy conditions will develop. As the high drifts eastward, warmer weather will follow for the upcoming weekend.

This afternoon: Clearing, breezy, and mild. Winds northwest 15 mph (24 kph). High 63°F (17°C).

Tonight: Clear and chilly. Low 45°F (7°C).

Saturday: Partly sunny and warmer. High 73°F (23°C). Low 53°F (12°C) — 56°F (13°C).

Sunday: Sunny and warm. High 73°F (23°C) — 78°F (26°C). Low around 55°F (13°C).

Clinton Grants China MFN, Reversing Campaign Pledge

By Ann Devroy
THE WASHINGTON POST

WASHINGTON

President Clinton Thursday reversed course on China and renewed its trade privileges despite what he said was Beijing's lack of significant progress on human rights.

Echoing the case made by George Bush when he was president, Clinton said he was convinced the Chinese would take more steps to improve human rights if the issue were separated from the threat of trade sanctions.

"This decision offers us the best opportunity to lay the basis for long-term sustainable progress on human rights and for the advancement of our other interests with China," he said at a news conference announcing his decision to extend China's most-favored-nation (MFN) trade status.

To demonstrate what he stressed was his administration's continuing concern about human rights in China, Clinton said he was banning the import of Chinese munitions and taking several other small steps to support the pro-democracy cause in China.

But his action stopped well short of appeals by Senate Majority Leader George J. Mitchell, D-Maine, and Rep. Nancy Pelosi, D-Calif., for selected sanctions on some Chinese products as a way to penalize China for failing to improve human rights. Both said they would introduce legislation that continues a link between trade privileges and human rights improvements.

"I disagree with the decision," Mitchell said of Clinton's move. "This decision will confirm for the regime the success of its policy of repression on human rights and manipulation on trade." Several other Democratic senators, however, issued statements of support and said they would join Clinton in Congress in resisting legislation to alter the trade status.

Sen. Sam Nunn, D-Ga., said that the decision reflected a key role China can play in geopolitics, specifically "maintaining stability on the Korean peninsula and preventing the proliferation of nuclear weapons."

Clinton had been the subject of heavy lobbying by American business interests and his economic advisers to continue China's trade privileges. With China now the world's fastest growing economy, the United States exports \$8 billion a year there, which sustains up to 150,000 American jobs. Many major American businesses see even greater potential in Chinese markets, expecting China to become a massive purchaser over the next decade of the phones, electronic gadgets and thousands of other products made in America.

"I think we have to see our relations with China within a broader context" than simply human rights, Clinton said, adding that the link between rights and trade was no longer tenable. "We have reached the end of the usefulness of that policy," he said.

Human rights groups and a strong lobby in Congress had pressed Clinton to adhere to the goal he set last year in an executive order that made renewal of China's MFN status dependent on "overall significant progress" in human rights. Clinton in his presidential campaign had sharply attacked Bush for extending trade privileges to China in the years following the 1989 crackdown on pro-democracy activists in Beijing's Tiananmen Square, accusing him of "coddling criminals."

But Clinton said Thursday he has had a change of heart. "Let me ask you the same question I have asked myself," he said. "Will we do more to advance the cause of human rights if China is isolated?"

What the United States policy should be, he added, is "to intensify and broaden its relations" with Beijing, not isolate it. He acknowl-

edged that the one sanction he was imposing — the ban on imports of guns and ammunition from China involving about \$200 million in sales — constituted little more than a "discrete" symbol of U.S. displeasure. Most weapons are made by the Peoples Liberation Army, agent of the 1989 crackdown that set off congressional calls for revoking China's trade status.

The other measures he announced include increased broadcasts for Radio-Free Asia and the Voice of America, increased support for non-governmental organizations working on human rights in China and the development with U.S. business leaders of a voluntary set of principles for business activity in China.

Clinton's decision came after an intensive, sometimes fractious, debate within the administration over what steps to take and how. At one point, the president was leaning toward extending the trade privileges, but putting sanctions on a range of military-made products. The Treasury and Defense departments vehemently objected, and from the outset the president's economic advisers argued that trade and human rights should not be linked.

In assessing China's human rights record over the past year, Secretary of State Warren Christopher reported to Clinton earlier this week that China had made progress in allowing emigration and had begun complying with an agreement that produces investigations of the use of prison labor in making Chinese goods.

But Christopher also concluded that the Chinese had not made progress in complying with the Universal Declaration of Human Rights, in providing an acceptable accounting for political and religious prisoners and in treating them humanely. He also found no change in China's repression of Tibet and no end to China's jamming broadcasts by the Voice of America.

Clinton Approves Bill Limiting Protests at Abortion Clinics

By Ruth Marcus
THE WASHINGTON POST

WASHINGTON

President Clinton Thursday signed legislation that bars antiabortion demonstrators from blocking access to clinics or threatening patients, decrying "the extremism and the vigilante conduct which gave rise to this law."

Two antiabortion groups immediately filed suit to overturn the law, arguing that it interfered with their constitutional rights of free speech and religious freedom.

Clinton signed the law, the "Freedom of Access to Clinic Entrances Act," at a White House ceremony attended by the children of David Gunn, the Florida physician who was murdered by an antiabortion protester last year.

"We simply cannot — we must not — continue to allow the attacks, the incidents of arson, the campaigns of intimidation upon law-abiding citizens that (have) given rise to this law," Clinton said, citing the murder of Gunn and the shooting of another doctor outside his clinic in Wichita, Kan., last summer.

"No person seeking medical care, no physician providing that care should have to endure harassments or threats or obstruction or intimidation or even murder from vigilantes who take the law into

their own hands because they think they know what the law ought to be," Clinton said.

The law, which has been a priority for the abortion rights movement, makes it a crime to block access to clinics, damage their property or injure or intimidate patients and staff. Approved by the Senate 69 to 30 this month, following a 241 to 174 House vote, it calls for jail terms and stiff fines.

It was enacted after the Supreme Court ruled last year that an 1871 civil rights law could not be used to halt antiabortion protests and a Justice Department review concluded existing statutes were inadequate to deal with the growing problem. Abortion rights supporters say there have been 3,000 incidents of violence, vandalism and harassment at abortion clinics since 1977.

Antiabortion activists argue that the law punishes them for legitimate civil disobedience and for expressing their religious views. The National Right to Life Committee accused the president of allowing abortion rights supporters to "crush peaceful protesters' free speech with federal lawsuits."

Randall Terry of Operation Rescue, the group that has blockaded clinics across the country, said the law "shows the ever growing anti-Christian persecution that is coming

from our government."

But the American Civil Liberties Union called the law "a milestone in congressional protection for reproductive freedom" and said it protects "peaceful protest and free speech."

Clinton acknowledged "genuine and deeply felt differences on the subject of abortion" but said it was "time to turn away" from expressing those views through violence and "verbal extremism." Responding to critics of the legislation, he said, "This bill is designed to eliminate violence and coercion. It is not a strike against the First Amendment." The signing of the bill is the latest of several changes the Clinton administration has made on behalf of supporters of abortion rights, who spent the previous 12 years battling efforts by the Reagan and Bush administrations to limit abortion rights in Congress and the courts.

Since taking office, Clinton has lifted the moratorium on federal funding of research using fetal tissue, reversed the prohibition against abortions at military facilities, undone the "gag rule" prohibiting federally funded family planning clinics from providing information about abortion, and — just last week — lifted the ban on importation of RU-486, a drug that induces abortions.

White House Aide Resigns After Golf Trip by Helicopter

By Ann Devroy and Ruth Marcus
THE WASHINGTON POST

WASHINGTON

A senior White House official was forced to resign Thursday after he and a colleague took the presidential helicopter, Marine One, from Washington to a private country club near Camp David, Md., for an afternoon golf game Tuesday.

David Watkins, director of the White House Office of Administration and one of the Arkansas friends President Clinton brought with him to Washington, submitted his resignation after his outing with Alphonso Maldon Jr., director of the White House Military Office, became public.

A picture of the White House officials was published Wednesday in the Frederick (Md.) News-Post, making the quiet trip a public embarrassment.

Clinton announced the resignation when asked about the trip at a White House news conference

Thursday afternoon. He said he knew nothing of the trip, which the press office Thursday morning had described as a routine effort to check out the course for Clinton's later use. The president said taxpayers would be reimbursed the cost of the helicopter trip, from Washington to New Market, Md., and back. If previous Pentagon estimates of the cost of military helicopter use hold true, that could be about \$10,000.

Clinton said he was "very upset" when he heard about the trip, and officials said Watkins had virtually no defenders in the White House. Last year, he had been disciplined for his role in the firing of the seven employees in the travel office.

The White House Thursday night said Maldon, a political appointee, "has been reprimanded and will be reassigned," probably outside the White House.

The White House Wednesday night and Thursday morning put out what officials now realize was a cover story for the trip. It asserted

that Watkins and Maldon were checking out the course for security and other reasons in advance of a possible presidential trip.

A statement drafted by the White House and released to reporters by the country club and used by White House spokesman Arthur Jones described the helicopter trip as a "training mission" to familiarize the crew with the layout of the course, which is an hour away by car.

The subsequent golf game by Watkins and Maldon, the statement said, was conducted "in order to familiarize themselves with all aspects of the course, especially those aspects related to actual time of play and associated impact of security plans."

But, as White House officials later acknowledged, neither Watkins nor Maldon have job duties involving checking out sites for presidential security — and White House press secretary Dee Dee Myers said the president has no plans to play the course.

Dissidents Challenge Beijing On Anniversary of Crackdown

By Lena H. Sun
THE WASHINGTON POST

BEIJING

Five years after the Chinese army crackdown on pro-democracy demonstrations, seven dissidents publicly petitioned the government Thursday for a reassessment of the 1989 movement and compensation for the families whose relatives were killed or injured.

The activists, led by former student leader Wang Dan, also called for the release of all prisoners associated with the June 4, 1989 crackdown and for the government to allow those who have been released from jail to lead normal lives.

The appeal was made in a petition to the national legislature and made available to reporters. It is a direct challenge to the government's characterization of the massive, student-led protests that swept Beijing and then spread nationwide as a "counterrevolutionary rebellion."

The dissidents asserted that the 1989 demonstrations were part of "a nationwide patriotic popular movement." The movement adhered to the principles of "peace, reason and nonviolence," according to the petition.

"We believe the government's

characterization of it as a 'riot and a counterrevolutionary rebellion' is unjust and immediately should be reassessed," the activists wrote.

The petition comes a week before the fifth anniversary of the crackdown, the most sensitive period on China's political calendar.

Security recently has tightened visibly in the Chinese capital. The homes of dissidents and their relatives are under surveillance. Wang and several other activists have already left Beijing to avoid the surveillance. Some foreign journalists are being followed. Authorities have canceled three events sponsored by foreign embassies — a charity bazaar, a tennis club dinner and an art exhibit — even though the events were to be attended by foreigners only.

Chinese President Jiang Zemin recently defended the use of force to crush the protests as the only way to ensure stability and continued economic development. China would not hesitate to use violence again if necessary, he said.

The government has never given a public accounting of the exact number of dead and wounded from 1989. Hundreds, perhaps thousands, died when Chinese soldiers opened

fire on the protestors. Nor has the government ever said how many people were arrested in connection with the June 4 crackdown. Despite the releases of some prominent activists, human-rights groups estimate that thousands more could still be in jail.

In the petition Thursday, the activists — several of whom were on China's most-wanted list of student leaders and who served prison terms for their participation in the 1989 movement — said the time had come for the government to "untie the knot in the people's heart."

"We feel that the June 4th incident represents an undeniable 'knot' in the Chinese people's historical development. Resolving the June 4 problems and untying this knot in the people's heart will help heal social contradictions and promote social stability (and) will benefit the construction of a democratic legal system and the advancement of society," they wrote.

"We sincerely wish that the government can courageously take this sensible step for the sake of the people's interest and the nation's future," they wrote.

Prosecutors Offered Final Plea Bargain Deal to Rostenkowski

By Pierre Thomas and Kenneth J. Cooper
THE WASHINGTON POST

WASHINGTON

U.S. Attorney Eric H. Holder Jr. has made a final plea bargain offer in negotiations with lawyers for Rep. Dan Rostenkowski, D-Ill., and set Tuesday as the deadline for Rostenkowski to accept the proposal or risk almost certain indictment on a wide range of charges, sources knowledgeable about the negotiations said Wednesday.

If Rostenkowski refuses, the sources said, Holder's move for an indictment against the House Ways and Means Committee chairman would be swift, possibly as early as the Tuesday deadline.

Rostenkowski declined to comment Wednesday on the negotiations and efforts to reach his attorney, Robert S. Bennett, were unsuccessful.

But Democrats on the committee said that Rostenkowski still hoped to avoid going to jail, and was leaning toward fighting the prosecution's case that he conspired to defraud the government through

misuse of his congressional office funds.

Throughout negotiations, federal prosecutors have insisted that Rostenkowski plead guilty to at least one felony charge and serve some time in jail. After haggling for days over the breadth of the charges, sources said Holder has now made clear that the negotiating "can't continue forever."

This latest twist to the complex and fluid negotiations over Rostenkowski's legal future indicates that one of Congress's most influential members is all but certain to leave or be removed from the Ways and Means chairmanship, a position thought to be critical in the ongoing debate over President Clinton's plans for health and welfare reform. Rostenkowski is considered an invaluable ally on both fronts.

Under normal procedures of the House Democratic Caucus, Rostenkowski would have to step down from the committee chairmanship if he were indicted on a felony punishable by at least two years in prison.

Ironically, a guilty plea apparently would give him a small win-

dow of opportunity to retain the chairmanship. The rules do not compel a member convicted of criminal charges to resign from office or leadership positions, although such members are likely to face an ethics investigation and disciplinary actions.

Federal prosecutors have outlined a broad case against Rostenkowski of conspiracy to defraud the government. After a two-year investigation, prosecutors have forwarded information to the Justice Department alleging that the veteran lawmaker paid employees for work not done and that he abused official accounts for leased cars, office supplies and office space.

Sources said that the alleged illegal activity involves "several hundred thousand dollars." Rostenkowski is accused of trading office postage stamps for cash and assuming ownership of cars previously leased by the government, the sources said. He has since reimbursed the House Stationery Store \$82,000, according to individuals familiar with the case.

Genetically Created Tomato Big Hit in California Market

LOS ANGELES TIMES

DAVIS, CALIF.

Virginia Waters bought some to take back to Massachusetts. Bill Johnson got some to mail to his mom in Florida. And Connie Presley was taking some home to make sandwiches for the kids' lunch.

At the State Market grocery store here Saturday, America's newest and most controversial tomatoes were selling faster than than you can say "marinara sauce" as buyers came from all over to be among the first to taste and buy genetically engineered fruit.

An old-fashioned produce cart was installed at the neighborhood market and people gathered round to sample bites and offer critiques of the MacGregor's tomatoes. Handing out the free samples were employees of Calgene, this university town's biotechnology company, which on Wednesday got approval from the Food and Drug Administration to market them.

If Calgene is right about the tomatoes, grown from its gene-spliced "Flavr Savr" seeds, Waters and Johnson needn't worry whether they will still taste good after being shipped across country. Calgene isolated the gene that initiates the tomato's rotting process, cloned the gene and reinserted it, in reverse, to neutralize, or slow down, the rotting process.

The tomatoes can be kept on the vine longer, developing the sweetness that most commercially grown tomatoes lack because they are picked green and ripened artificially. It took the company more than \$25 million dollars to develop the tomato, and five years to get FDA approval to market it.

Special Counsel Expects To Complete Initial Phase Of Whitewater Probe Next Month

THE WASHINGTON POST

WASHINGTON

Special counsel Robert B. Fiske Jr. notified House leaders Thursday he expects to complete the initial phase of his Whitewater investigation next month, a timetable that could clear the way for Congress to hold the first hearings this summer.

Those hearings would be confined to questions about the death of White House deputy counsel Vincent Foster and the propriety of Washington meetings between White House aides and Treasury Department officials concerning the failed Madison Guaranty Savings and Loan in Arkansas.

Fiske said his inquiry into those areas would conclude, "barring some development" in the last two weeks of June and he would then be able to tell lawmakers if he objected to hearings on subjects he is investigating in Washington.

Mitchell was briefed by Foley on the meeting with Fiske and planned to lay out his position on timing in a letter to Minority Leader Robert J. Dole, R-Kan., with whom he has been negotiating over timetable, structure and scope of hearings for about two months.

Fiske asked congressional leaders in March to delay hearings that would delve into aspects of his broad investigation until after his staff has interviewed relevant witnesses.

House and Senate leaders have indicated a willingness to comply with Fiske's wishes under nearly identical resolutions both bodies passed in March calling for bipartisan agreement to hold the hearings.

In the Senate, Republicans served notice Thursday they will start amending bills to force hearings if Mitchell has not reached agreement with Dole on plans for the hearings by June 7, when Congress returns from its Memorial Day recess.

Republican sources said GOP senators dropped earlier plans to start offering amendments before the recess when Dole assured them he was making progress in his talks with Mitchell and believed agreement was near.

Mitchell has urged that hearings be conducted by the banking committee, with questions that fall under jurisdiction of other panels being handled by members who serve on those panels as well the banking committee. Democrats outnumber Republicans 11 to 8 on the banking committee.

Clinton Proposes Cap on Children For Welfare Recipients

LOS ANGELES TIMES

WASHINGTON

Ending months of intense debate within the administration, President Clinton will propose making it easier for states to deny additional benefits to women who have children while already on welfare, senior administration officials say.

The decision aligns Clinton with those inside and outside the administration who argue that government must intensify its efforts to discourage out-of-wedlock births, which now constitute roughly 30 percent of all births in America. "We think it is very important to discourage additional births on welfare," said one senior official. "We are saying that states that want to try this approach should be able to try it."

But the so-called "family cap" policy inspires even more intense opposition among liberals than the proposed two-year time limit on welfare that is at the center of Clinton's plan.

Given its potential to affect the most intimate decisions of millions of women, the family cap issue is certain to provoke a polarized struggle in Congress. Many moderate and conservative legislators see the family cap as a way to promote personal responsibility, while liberals largely denounce it as racist and sexist social engineering.

"This is clearly one where there are very deep feelings on both sides of the issue, and apart from the families it directly affects, it has a large symbolic impact," said Mark Greenberg, an attorney with the Center for Law and Social Policy in Washington.

In fact, although Clinton settled on the new policy at a Tuesday meeting, administration officials still appear divided over how closely to identify with the controversial idea. Some officials take pains to say the administration does not intend to push states to adopt family cap policies, merely to smooth the way for those interested in the idea. One agency official lukewarm to the policy insisted the decision left the administration "neutral" on the question.

OPINION

Letters To The Editor



Chairman
Jeremy Hylton '94

Editor in Chief
Eva Moy '95

Business Manager
Pradeep Sreekanthan '95

Managing Editor
Michelle Sonu '96

Executive Editor
Sarah Y. Keightley '95

NEWS STAFF

Editor: Hyun Soo Kim '96; **Associate Editors:** Ramy Arnaout '97, Ifung Lu '97, Daniel C. Stevenson '97; **Staff:** Amy I. Hsu '94, Rahul T. Rao '94, Trudy Liu '95, Ben Reis '95, Nicole A. Sherry '95, Kevin Subramanya '95, Charu Chaudhry '96, Deena Disraelly '96, Michael A. Saginaw '96, Roopom Banerjee '97, Lawrence K. Chang '97, A. Arif Husain '97, Matt Mucklo '97, Gabriel J. Riopel '97, Rishi Shrivastava '97, Andy Stark '97; **Meteorologists:** Michael C. Morgan G. Arnold Seto '96, Marek Zebrowski.

PRODUCTION STAFF

Editors: Patrick Mahoney '94, Matthew E. Konosky '95, Teresa Lee '96; **Associate Editor:** Ernst Smith '97; **Staff:** Ling Liao '95, Geoff Lee Seyon '97, Joo Youn Park '97, Christine J. Sonu '97, Jimmy Wong '97.

OPINION STAFF

Editor: Michael K. Chung '94, Anders Hove '96; **Staff:** Matt Neimark '95.

SPORTS STAFF

Associate Editors: Eric M. Oliver G, Daniel Wang '97; **Staff:** Mike Duffy G, Andrew Heitner G, Thomas Kettler G, Ognen J. Nastov G, Bo Light '96, Koichi Kunitake '97.

ARTS STAFF

Editors: Ann Ames '92, J. Michael Andresen '94; **Associate Editor:** Scott Deskin '96; **Staff:** Thomas Chen G, Dave Fox G, Allen Jackson '94, John Jacobs '94, Gretchen Koor '94, Adam Lindsay '94, Kaiteh Tao '94, Christopher Chiu '95, Craig K. Chang '96, Robert W. Marcato '97, Kamal Swamidoss '97, Anne Wall.

PHOTOGRAPHY STAFF

Editors: Sharon N. Young Pong '96, Thomas R. Karlo '97; **Associate Editor:** Helen Lin '97; **Staff:** Jason Fleischer G, Simson L. Garfinkel '97, Jonathan Li '95, Mark Bockmann '94, Dan Gruhl '94, Rich Domenkos '95, Delano J. McFerlane '95, Sherif Ibrahim '96, Lenny Spoiser '96, Justin Schitzman '96.

FEATURES STAFF

Christopher Doerr G, Pawan Sinha G, Mark Hunt '94, Steve Hwang '95.

BUSINESS STAFF

Advertising Manager: Anna Lee '97; **Accounts Manager:** Oscar Yeh '95; **Staff:** Diana Bancila '95, Jeanne Thiempash '95, Jin Park '96, Syed Abd Rizvi '96, Mary Chen '97.

TECHNOLOGY STAFF

Director: Garlen C. Leung '95.

EDITORS' CHAIRS

Contributing Editors: Josh Hartmann '93, Matthew H. Hersh '94, Yuch Z. Lee '95, Eric Richard '95; **Senior Editor:** Vinod Bhushan G.

ADVISORY BOARD

V. Michael Bove '83, Robert E. Malchman '85, Thomas T. Huang '86, Jonathan Richmond PhD '81, Reuver M. Lerner '92.

PRODUCTION STAFF FOR THIS ISSUE

Night Editors: Patrick Mahoney '94, Michelle Sonu '96; **Staff:** Vinod Bhushan G, Josh Hartmann '93, Christine J. Sonu '97.

The Tech (ISSN 1548-9617) 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, 34 Massachusetts Ave., Cambridge, Mass. 02139-0290). Third class postage paid at Boston, Mass. Non-profit Organization Post Office No. 58742. **POSTMASTER:** Please send all address changes to our mailing address: The Tech, P.O. Box 397029, Cambridge, Mass. 02139-0299. Telephone: (617) 258-4324. FAX: (617) 258-4226. Advertising subscription and circulation rates available from contents C 1994 The Tech. Printed on recycled paper by Mass #1 Printing Co.

Ticket Scalping Ruins Spirit Of Commencement

I contacted a student advertising graduation tickets in the Graduate Student Council's on-line exchange service. "How much are you asking for the three tickets?" I queried. "\$70," he replied. "Is that each, or for all three?" I innocently questioned. Without hesitation he replied, "That's each. Actually, I already sold one; there's only two left."

There is no disputing the fact that we live in a capitalist society where the laws of supply and demand apply to many transactions, but are we not an academic community of concerned individuals? Graduation tickets were not meant to be sold to the highest bidder, like the scalpers who peddle tickets to the latest rock concert or playoff sporting event.

Another student advertising on the GSC service asked \$40 per ticket. Should I jump at the chance to buy at this "low" price?

Instead, I am upset and saddened that fellow students are perfectly happy to financially gouge me for the privilege of inviting the full circle of my closest family — my two divorced parents, their spouses, my only sibling, and my significant other — to my cherished graduation.

I guess I am naive to ask for consideration from other students in my community. But it certainly would make MIT a nicer place if we showed a little respect for others, especially at a celebratory time like graduation.

Fred G. Martin G

Edgerton House Pleased With Expanded Safe Ride Service

In early May, Campus Police Chief Anne P. Glavin came to Edgerton House to discuss our safety proposal from the previous Edgerton House meeting. Along with Director of Special Services Steve Immerman, she addressed each proposed solution and answered our questions.

I am very pleased that she has agreed to changes in the Safe Ride route that will make Safe Ride more efficient for those of us on the wrong side of the tracks, without slowing down service to points along the current route. The new route should also significantly reduce travel times for students traveling home from Technology Square at night.

David Cuthbert G of Safe Ride has been most helpful in revising the route and we look forward to the new route's implementation near the end of May.

For the near term, Glavin agreed to provide Edgerton residents with patrol escorts until this route is implemented. Before September we are hoping for more Emergency Phones (perhaps one on Albany Street between Massachusetts Avenue and Edgerton House) and methods for calling Safe Ride from parking lots which are optional stops.

Susan L. Iprri G of Safe Walk has also been very productive in building a future vision of safe transportation at MIT which is more comprehensive and efficient than the current model. An integrated Safe Walk and Safe Ride system should minimize travel times along main campus and its perimeter while improving safety throughout.

Kudos to Edgerton President Jean C. Krause G as well. She has not only pushed the MIT safety issue along, but has worked with the city of Cambridge to get the repaving of Albany Street to begin in a few weeks.

Thanks again to Glavin for working with us to bring safer, more convenient transportation to campus.

Jill S. Klinger G

Edgerton Graduate Student Council Representative

Responsibility Of Offended Parties To Voice Concerns

I do not speak for anyone but myself right now, nor do I as of yet know how the storm in a teapot over the postering war will end, but I must point out a rather glaring peculiarity in Joaquin S. Terrones '97 letter of May 6 ["PKT/TEP Rivalry Posters Offensive"].

He states: "As if it were my responsibility as part of the offended parties (being both Latino and queer, a spic and a faggot) to do something about it." Last time I checked, I was still in the United States of America, where the burden of proof lies on the accuser.

As the MIT Harassment Guide states: "People who are offended by matters of speech or expression should consider speaking up promptly and in a civil fashion ... people who learn they have offended others by their manner of expression should consider immediately stopping the offense and apologizing." This is precisely what happened.

From the letter and conversation I infer that Terrones believes it is the duty of the name-caller to make every effort to learn what offends another. Please forgive those of us who come to MIT to learn other things, like science or engineering.

Omri Schwarz '97

Drinking and Driving Can Lead to Inability To Observe Much

To the imaginative people whose collective and creative genius gave us the car on the dome on Monday, May 9, thank you. As parents, we worry about your moving to such dazzling heights, though seeing it did give us some poignant but pleasant memories.

We feel sure that our son, Albert Lester '82 would have loved seeing it and talking about it. Albert was killed on his bicycle on

June 7, 1992 by a drunk driver. His spirit may even have been up there with you the other night, chuckling and giving some silent encouragement. Thank you for giving us pleasant thoughts to remember amidst the sad ones.

As you go into the outside world, please go safely and above all, please, please don't drink and drive.

George and Virginia Lester
Parents of Albert Lester '82,
Sept. 26, 1960 — June 7, 1992.

United States Needs Internet Regulations

I do not profess to know all the intricate details on exactly what David M. LaMacchia '94 did, but this case poses a grave question to the much needed regulation of Internet and its subsidiaries.

It is common knowledge that the Internet cannot be put in parameters with any one law of any country, especially in the United States where the use of the Internet is not governed by any uniformed law. I assert that there is no invisible electronic "hand" to ensure that the exchange, distribution, and abuse of data can go unnoticed to the inexperienced user.

However, in some countries, including Malaysia, all incoming electronic mail, file transfer protocol transfers, and exchange of data are governed by the laws of that country.

It may be viable or even prove to be essential that the United States formally declares some kind of law governing the use of Internet, at least for use in the country. Already, a growing majority of Athena users express a certain degree of disgust and/or disrespect to "uncomplimentary" backgrounds of scantily-clad women on terminals. Of course, there are other more pressing concerns such as internal computer code cracking-activity, authenticity of users, and the concept of user-privacy that needs to be addressed. These are anything but trifle matters.

One solution would be to implement a minimalistic, concise, and productivity-oriented uniform law encompassing general use of computers. This could only result in computers being the tools to measure our success in the advancing world instead of an accidental crutch to our very curiosities.

Shamsul A. Sopiae '97



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 p.m. two

days before the date of publication.

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

To Reach Us

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

Chung Offers Alternative Commencement Speech

Column by Michael K. Chung
OPINION EDITOR

"Let the Rush begin!!!"
Wait — time warp. Has it been that long ago since we were all here together in Killian Court, the freshman picnic? Just to revive old times, whenever The Aga Khan (that's our commencement speaker) looks in your direction, jump up (you'll want to stretch those legs anyway), throw both arms in the air, and yell at the top of your lungs, "LET THE RUSH BEGIN!"

At this point, The Aga Khan (along with your parents and the people around you) will probably give you a funny look, but just say it again. If you're lucky, you'll have yelled it with other fellow graduates.

Okay, enough of that. I just had to try for a commencement issue column opener like Bill Jackson '93 did last year, telling everyone to do the wave every time Mexican president Carlos Salinas de Cortari said "North American Free Trade Agreement." Don't be dismayed, fellow '94s — you can still do the wave. Just don't wait for The Aga Khan to say NAFTA; instead, wait for class president Ann Chen to say "senior gift."

How about that senior gift, anyway? ("Well heck ... what more needs to be said about it after what *The Focus* did to it" — to be said in the David Letterman big, dumb-guy voice). What has MIT done for you lately? What has it done for you ever? Let's rephrase the question: what has MIT done to you lately?

I pause here to give you all a healthy five-minute flame session. Just do it before you get to your seat in Killian Court — it is considered bad joss to curse the Institute in the presence of the great scientists' names. Plus, you'll look like a bumbling idiot.

Now ask yourself this: what have you done

for MIT lately? Stop rolling your eyes toward the ceiling — what have you done? If you're like a lot of people, probably not a whole lot. So the least you can do is make a donation to MIT. If you don't like the senior gift (I don't, and I admit it — but if I really felt strongly about it I might have joined the committee beforehand), then donate it to something else.

I told myself several years ago to pledge money toward the Undergraduate Research Opportunities Program after I graduate. That's what I plan to do, but that doesn't mean that I'll exclude other worthy gift recipients.

In my tenure as opinion editor for the past year or so, I've edited a considerable number of letters, columns, and other various submissions. And on the topic of donations toward MIT, one letter particularly annoyed me: in the midst of flame mail about former Associate Dean of Student Affairs Jim Tewhey, one alumnus stated that based on his experiences with Tewhey, he refused to ever donate to MIT, and tries his best to convince other alumni in his company to follow his example.

Just because one may have a bad experience at MIT does not necessarily mean that the entire Institute can be viewed as such. Therefore, it is important to keep the proper perspective regarding one's experiences at our school. Factor in the ever-rising cost of higher education, and it becomes difficult, if not impossible, to find a worthy gift recipient within the Institute.

With that said, I wonder what The Aga Khan will say to us. (long pause) I hear that Harvard is hosting Vice President Al Gore, that Boston University had H. Ross Perot, and that the Berklee College of Music featured rock star Sting (for the commencement speaker; whether or not he broke into song is beyond my knowledge). The Aga who?

Why don't we have more student speak-

ers? How about a student speech day? (What? Science majors can talk about some meaningful subject other than the sciences? Where do you think we are — somewhere up the Charles?)

I've often thought about how cool it would be to make an address at the commencement ceremonies, but what would I say that I haven't already written about? I suppose that I would try to say something inspiring, yet not overly trite or just plain lame.

Aside from the above about how we should continue to support MIT, I would say:

"We all must continue to learn. Not just in one's chosen career, but in what goes on around the world. We live in such changing times that it behooves each of us to pay attention to current events and have an idea of the progression of our society.

"Do you favor current trends of world affairs and societies? Do you have any opinions regarding these? We must, not only as individuals, but also as a society, make our voices heard regarding the progress of our communities and nations, and how to insure their progression for the better. This means that we have to not only be informed about events and policies, but also care enough about issues to express our viewpoints and offer solutions.

"In my eyes, MIT students appear to have a considerably apathetic view on many things. Part of this is due to commitment to our studies, certainly a noble pursuit. However, as we progress through our lives and careers, it is vital to our well-being to pay attention to the world around us before it turns into that which we fear most.

"Look at issues on the domestic level: crime, health care, racism, welfare. The international level: Bosnia, North Korea, Russia, the Middle East. With ignorance, local issues

can spread to uncontrollable proportions. It is important for us to have a competent and informed government to implement and maintain effective policies, and it is our duty as citizens to assist in creating and upholding these policies.

So go then, new graduates — embark on your adventures in the world and always keep your perspectives broad, not only for yourself, but for mankind as well. Congratulations and best wishes."

And on that note, congratulations to all of you (us) graduating. I thank those of you who regularly read my columns for doing so. It was interesting to know that some of my friends here actually read what I wrote and could associate schools of thought with me.

While I can't say that a lot of people said "Oh, you're Michael Chung, the guy that writes stuff for *The Tech*?" upon meeting me, it has happened. While I appreciate the positive encouragement I received for my columns ("Really Mike, it wasn't that bad of a column..."), I was quite glad to receive critical (and humbling) responses to my works.

I have always tried to accept criticism in the right way, however, trying to always learn other sides of issues. After all, if there was only one side to it, would it be an issue?

To those of you I have met throughout my years at MIT, thank you for everything you have provided. To those of you at *The Tech* (you know who you are, but don't flatter yourself if you're not sure), thanks for the great times, opportunities, and one of the best activities I've ever taken part of.

Mike Chung regrettably resigns from his position as Opinion Editor. He could write little farewells to everyone he knows here, but has spewed plenty enough in his association with *The Tech*.

Columnist Reminisces Experiences at MIT and *The Tech*

Column by Matthew H. Hersch
CONTRIBUTING EDITOR

As I sit here this Commencement Day, perched on lawn furniture, wearing a sheet, I can't help but think about one thing ... that if I had \$11.5 million to spare, I could have spoken at graduation, too.

Not that I'm not enjoying the day's festivities of course; it's just that after four years of college I guess there are still a lot things I don't understand about the world — like what Chuck Vest actually does for a living, or why, a week before graduation, I suddenly have lots of friends in the Alumni Association Office.

But I can't say I've gained nothing from my years at MIT, especially since I have no desire to have my degree revoked and burned. So instead of dwelling upon the negative in this, my last column I'd like to mention all of the positive things that have come out of my MIT experience. For just as my new-found knowledge has made me a hit at social gatherings, it is my MIT experience that I thank for transforming me into the gaunt, sarcastic, well-rounded crank I am today.

At MIT, I've had the opportunity to associate with men and women of piercing intellect, and had the chance to watch them pick their noses. At MIT I've had the chance to take some great classes taught by professors deserving of the name (including one at Wellesley), and I've also had the chance to fall asleep in some of the most uncomfortable lecture halls in America, only to awaken, floating in a puddle of my own drool, wondering what year it is.

I can think of few other institutions of higher learning where I would have been driven out of electrical engineering, screaming, so quickly in my undergraduate career. I can think of few colleges where people watch *Star Trek* more often than they bathe. And I can think of few institutions at which I would have learned not only the intricacies of international relations, but how make a nuclear weapon out of two coconuts and a spoon.

And last, but certainly not least, I've had the chance to work with all the folks at *The Tech*, America's best college newspaper, and through my efforts, harass the MIT adminis-

tration to within an inch of my life.

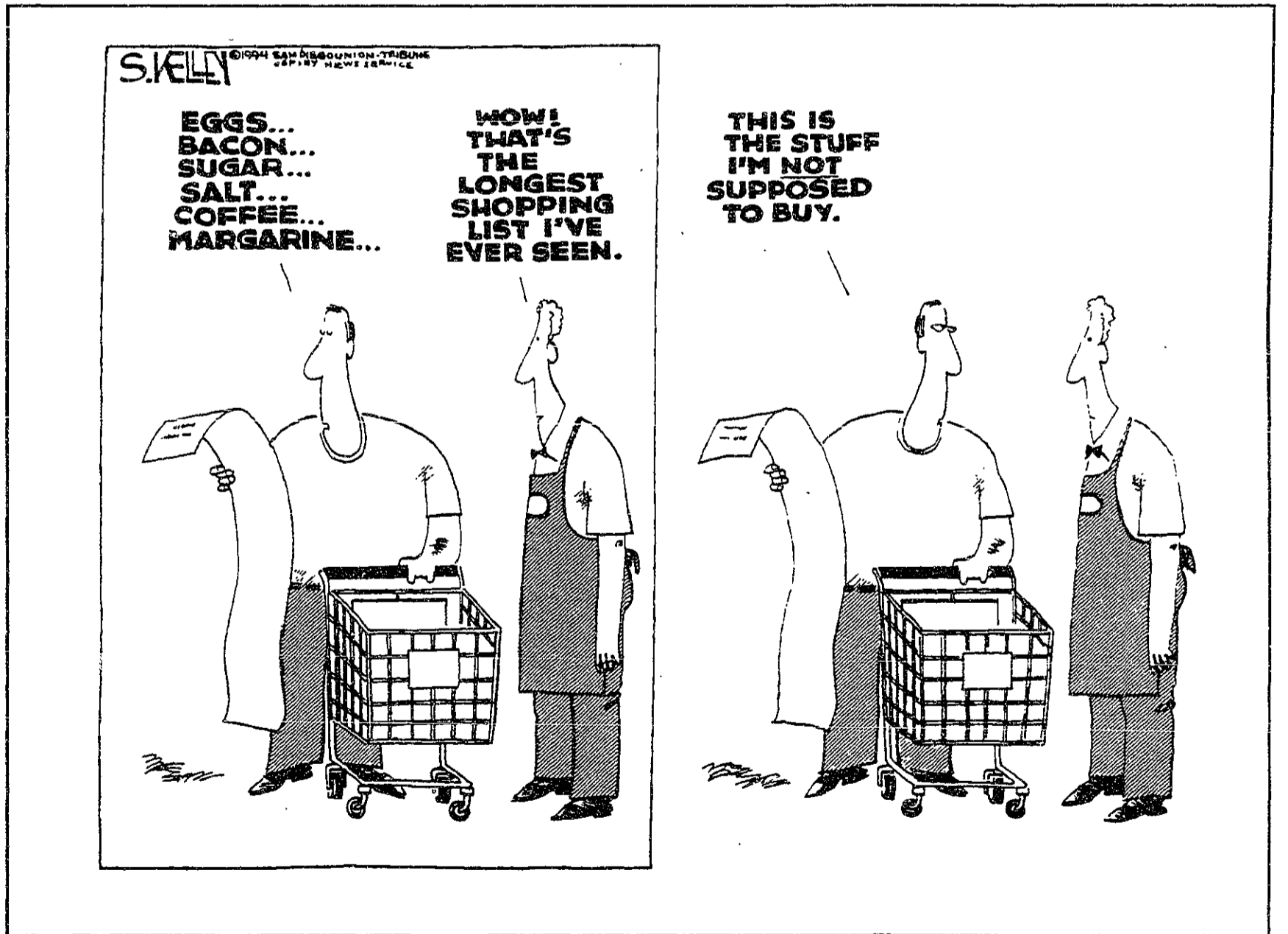
Through *The Tech*, I've also watched the international scene evolve and change around me — from old, 1990ish problems like Yugoslavia, Russia, and North Korea to ... well ... okay, bad example. But at least I got the chance to write a bunch of columns about bad cafeteria food and score front row seats to lectures by really frightening guest speakers.

And it is as that, your not-so-humble political columnist, that I must now hang up my hat, at least for now. If there is anyone I'd like to acknowledge most for my undergraduate experience, (in addition to my parents, who sprung for the whole deal) it's all of my compadres who took the time to read my columns, especially during class. My heart goes out to all of you, even the guy who later called me

up at 10 o'clock at night and screamed at me in Cantonese.

I have ways of finding you.

Matthew H. Hersch, a senior in the Department of Political Science, wishes to thank the MIT Campus Police for not killing him. In the fall he will be attending law school, where he hopes to learn how to sue people.



TECHNOLOGY STRATEGY, INC.

WANTED: C++ Programmer

C++ Windows programmer familiar w/Borland OWL needed to revise an existing program part-time and offsite for consulting firm. Send resume to: Product Dvlpmnt. • Technology Strategy Inc. • One Kendall Sq., Bldg. 300 • Cambridge, MA 02139-1562
No phone calls, please

" I READ RUSHDIE RELIGIOUSLY". What does it mean? First let's state categorically that it in no way implies anything about the content of Mr. Rushdie's novel, THE SATANIC VERSES. It is a rhetorical statement with the word "religiously" speaking to the death sentence imposed on Mr. Rushdie and to this day supported by the government in Iran.

Graduate Dorms to Receive MITnet Connections

By Vipul Bhushan
SENIOR EDITOR

Graduate students will soon have Ethernet access in their dormitory rooms, according to James D. Bruce ScD '60, vice president for Information Systems. Ashdown House, Edgerton House, Green Hall, and Tang Hall will be connected in the 1994-95 academic year, with Eastgate and Westgate coming on-line the following year.

IS will provide facilities for each student to connect an appropriately equipped computer to the campus network, according to Cecilia d'Oliveira, director of distributed

computing and network services. The Ethernet drops will provide each room with a 10 million bits-per-second link to MITnet, enabling users to connect to Athena and other computers on the Internet.

D'Oliveira estimated the cost of adding Ethernet capability to a workstation or personal computer not already so equipped at \$100 to \$200. There will be no charge for the network connection.

Work will be done this summer to install the needed hardware in the houses for unmarried students, according to Lawrence E. Maguire, director of housing and food ser-

vices. The work in Edgerton and Tang will coincide with the installation of the required SESS campus phone service in those dorms.

The Housing Office will pay \$115,282 for this initial installation, according to Kenneth R. Wisentner, associate director of housing and food services. This amount will be recovered by adding \$2.00 per month to each occupant's rent for five years beginning in fiscal year 1996. D'Oliveira estimated recurring expenses of around \$20,000 annually, which will be paid by IS.

IS does not plan to hire any additional staff or student consultants to

support graduate dormitory networking, d'Oliveira said, but will use existing staff who are already supporting undergraduate residences.

March resolution cited

The expansion of MITnet into graduate dormitories follows its introduction in undergraduate living groups this year.

Outgoing Graduate Student Council President Caryl B. Brown G credited Kamon and Jonathan D. Baker G, both members of the GSC's Housing and Community Affairs Committee, for successfully

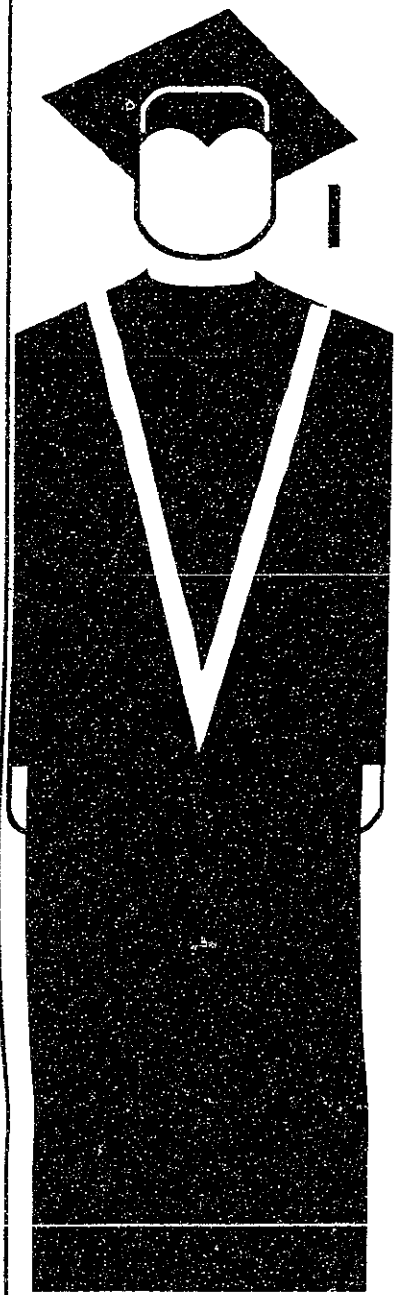
lobbying the administration on this matter.

The GSC passed a resolution on March 2 which requested the timely installation of network services in graduate housing facilities. The resolution cited a GSC survey conducted in the fall in which nearly 90 percent of the respondents indicated a desire for Ethernet connections in graduate housing. The resolution also cited graduate student desires for personal safety late at night and convenience in accessing the network.

Kamon said that graduate students "spend late hours in the lab," and would benefit from the access. Providing network connections in dormitories would improve such students' quality of life, and allow them to lead "pseudo-normal lives," he said, adding that such concerns are especially important for married students.

In a collaboration with the Medical Department, IS also plans to provide network access for inpatients.

Efforts to provide network service to off-campus students via telephone lines are under investigation, said d'Oliveira.



Congratulations MIT Class of '94

MIT Food Service



TOP TEN SCARIEST PEOPLE ON EARTH

10. Prune-eating Sumo wrestler.
9. High-rise window cleaner with bladder problem.
8. Near sighted knife juggler.
7. Megalomaniac Third World Dictators.
6. Grown men named "Biff".
5. Heavily armed hot dog vendors.
4. Carsick brother in the seat next to you.
3. Brain surgeon with hiccups.
2. Anyone with a cranky disposition and a chainsaw.
1. People who offer you drugs.

PARTNERSHIP
FOR A
DRUG-FREE AMERICA

This space donated by The Tech

Congratulations . . .

to these graduating *Tech* staffers.
Thanks for all your help, and good
luck with your future endeavors!

J. Michael Andresen '94
Mark Bockmann '94
Michael K. Chung '94
Mike Duffy G

Dan Gruhl '94
Josh Hartmann '93
Andrew Heitner G
Matthew H. Hersch '94

Amy I. Hsu '94
Mark Hurst '94
John Jacobs '94
Gretchen Koot '94

Adam Lindsay '94
Patrick Mahoney '94
Rahul T. Rao '94
Kaiteh Tao '94

UROP Feels Financial Pinch

By Ramy Amaout
ASSOCIATE NEWS EDITOR

With most funding requests processed, Undergraduate Research Opportunities Program officials are calling this summer the most difficult funding period in the program's 25-year history.

While students' UROP Office funding requests topped \$1.3 million, only \$400,000 in internal UROP funds were available for distribution this summer, according to a UROP Office statement released last week. The financial strain has resulted in students receiving only a minimal share of their UROP funding from the UROP Office.

Of the 717 proposals reviewed so far, about 90 received no UROP Office funding, the release said, although UROP Administrator Debbie H. Shoap said, "Many who didn't receive direct UROP funds have been funded by supervisors."

By comparison, during the summer of 1993, 1,092 students received \$528,000 in UROP Office funding, the statement said.

Office staff expect the funding crisis to carry over into the fall term. "To minimize the number of students turned away from a summer

UROP opportunity, the UROP Office has already allocated a significant portion of its fall budget to meet summer demand," the statement said.

SIM aids not UROP funds

The UROP Office funding crisis comes despite Provost Mark S. Wrighton's April allocation of \$1 million to help UROP, the statement said. In his original announcement of the allocation, Wrighton directed the funds "to be used to cover the fringe [employee] benefits and indirect [overhead] costs that will be charged to grants, contracts, and fund accounts," but not those costs that will be charged to internal UROP funds.

Since the allocation is directed at only those overhead and employee benefit costs incurred on sponsored research funding — money paid directly by a student's UROP supervisor — and not at benefit costs on internal UROP funding, the UROP Office does not benefit directly from the \$1 million, Shoap said. The allocation "will not be used to help offset the additional employee benefit costs charged on [internal] UROP funds," the statement said.

Shoap said there is a general unawareness among students of the exact use to which the \$1 million is being put, she said. Many students have been calling the UROP Office to find out why their proposals were not funded despite the apparent availability of \$1 million, when in fact the \$1 million does not apply to UROP funds, she said.

As of July 1, the added employee benefits costs will make students 8 percent more expensive than in previous years for internal UROP funds, according to a memorandum to Wrighton from the UROP Working Group Wrighton formed to seek answers to the crisis for the fall. This number is down from the previously reported rate of 43½ percent, largely because of the recent efforts of the working group and Comptroller Phillip J. Keohan. [See related story, page 1.]

According to the memorandum and UROP Director Norma McGavern, overhead costs, which do not apply to UROP Office funds, will combine with employee benefit costs to make students 64.2 times more expensive for sponsored research funds.

"Faculty-funded proposals will continue to be accepted until May 31, and consideration for overhead and employee benefit coverage will be awarded on a rolling basis" until the \$1 million allocation has been exhausted, the statement said.

Notes for summer, fall

The UROP Office will accept fall UROP proposals for one week in early September, Shoap said. Funding awards will be announced to students shortly thereafter, over the course of a single week.

For the present, Shoap advises students who are still searching for summer UROPs not to give up hope. She said that so far, several individuals have had to cancel summer UROP plans, presumably leaving prospective mentors with job openings. "The best place to look for cancellations is the UROP office," she said.

UROP Overhead, Benefit Rates Fall

UROP, from Page 1

ed story, page 7.]

Overhead temporarily falls

In a lesser development, the overhead rate on sponsored funds will also be lower than the presently projected 55 percent for this summer, McGavern said. In response to government overcollection on sponsored research as a whole in past years, this summer the overhead rate will be 52 percent, according to McGavern and the Office of Sponsored Research.

McGavern does not expect the rate drop to be a trend. "When a rate is set, it is set on the expected real cost of research," she said. Depending on next year's expected real costs, the rate could climb slightly above this year's levels; on average, however, it should remain constant at about 55 percent, she said.

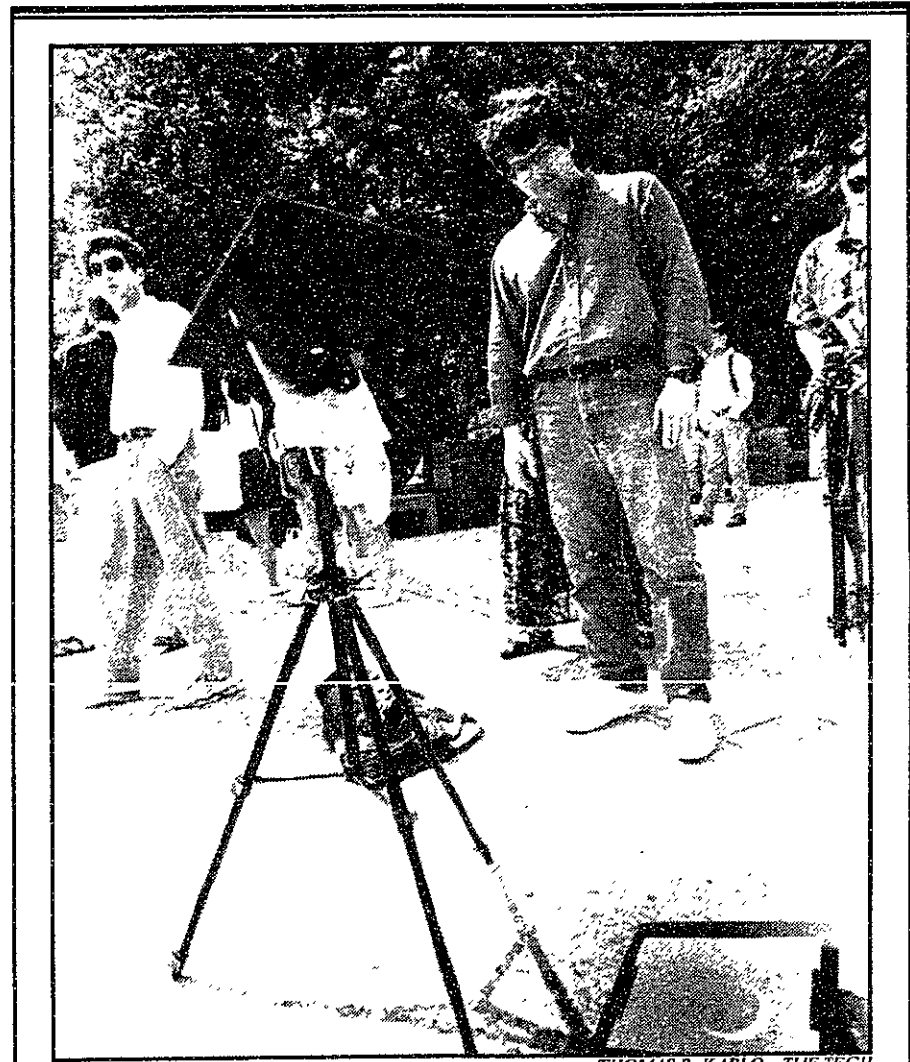
UROP 'inadvertantly caught'

The crisis stems from revised federal guidelines, effective June 1, that treat UROP like a research program rather than an educational program, McGavern said. As a result, UROP funds will now accrue overhead and employee benefit costs. The distinction raises costs about 8 percent on UROP Office funds and about 64.2 percent on sponsored research funds.

"UROP is inadvertently caught in these revisions," McGavern said. "UROP was by no means targeted or single out."

"If you look at the language of the document, you would be hard pressed to fit that language to UROP — it's very complicated language," she said. "In the document, UROP looks like a research project," rather than an education project, she said.

However, the problem is not so easily solved, McGavern said. "Just because something is inadvertently caught, it's not like saying [to the government], 'excuse me, please, could you please move your foot?' It's not that easy," she said.



THOMAS R. KARLO—THE TECH

May 10th's annular eclipse brought much of the MIT community out of their offices and laboratories into the warm spring weather. Many watched the eclipse through devices such as this one, set up in front of the Student Center.

HARMONIX CORPORATION

is seeking talented and open-minded engineers skilled in:

- * C++, GUI DESIGN
- * COMPILER DESIGN
- * COMPUTER HARDWARE DESIGN

We are developing a Plastic Architecture Computer with reconfigurable logic processing hardware which can process 1000 times faster than conventional CPUs. Full-time positions and summer internships.

Send your resume to:
e-mail: resumes@hxi.com; Fax: (617) 935-8530



Instituto Tecnológico y de Estudios Superiores de Monterrey
Localizado en 25 ciudades de México

Oportunidades de trabajo en México

Puesto: Profesor-consultor-investigador en cualquiera de los 26 campus del Sistema ITESM.

Requisitos: • Grado de Maestría o Doctorado
• Disponibilidad para agosto de 1994
• Español indispensable

Vacantes: PhD Business
MS/PhD Marketing
MS/PhD Communications
MS/PhD Computer Science
MS/PhD Finance/Int. Finance
MS/PhD Industrial Engineering
MS/PhD Information Systems
MS/PhD International Management

Aplicación: Para agosto del 94, enviar curriculum y transcript antes del 10 de junio a:

Ma. Luisa Avellan
P.O. Box 518
Rio Grande, City, TX
78582 USA
En México
Tels: 52(8) 358-4141/358-9600
Fax: 52(8) 328-4199
E-mail: mlavellan@qm.mty.itesm.mx

KEANU REEVES DENNIS HOPPER SANDRA BULLOCK

GET READY FOR RUSH HOUR.

SPEED

OPENS JUNE 10 AT THEATRES EVERYWHERE

Outgoing UAP and UAVP Reflect on Year in Office

By Daniel C. Stevenson
ASSOCIATE NEWS EDITOR

Former Undergraduate Association President Hans C. Godfrey '93 and Vice President Anne S. Tsao

'94 looked back on their term, which ended last month, which emphasized a strong foundation for the future and close ties with the MIT administration.

The Undergraduate Research Opportunities Program, faculty and staff relations, and MIT's facilities for disabled students were some of the issues the UA addressed this

year.

"My main goal this year was to lay the foundation for future UAPs," Godfrey said. The new officers will be able to "pick up the ball and go from here," Godfrey said. "I think they can accomplish a lot."

Last year was more successful than average, Tsao said. Time and human resources were a large problem, however. "You can't accomplish in one year what you want with a full academic load and a job."

The lack of time and manpower "are always going to be the downfall of anything that goes on at MIT," Godfrey said. "In order for the UA to be able to accomplish anything significant, you're going to have to attract a large part of the campus to participate in UA activities."

Part of laying the foundations for the future involved tightening the infrastructure of the UA itself, Godfrey said. This was done by "working with committees to refine the processes and giving them the materials they need to make the processes go as smoothly as possible," he said.

Tsao described their relationship with the faculty and with the office of the dean for undergraduate education and student affairs and other administrative offices as excellent. At times, "the administrators were more cooperative than students,"

Tsao said. "Change happened because we had open communication [with the administrators] to express what we felt the students needed."

"The relationships this year were stronger than they're going to be for along time," Godfrey said. Many UA officers "have been working on these relationships for a long time," he said, and they were "able to go to them [the administrators] whenever we had problems or to ask for advice."

Several main projects

Godfrey and Tsao worked on several projects during the past year including UROP lobbying, rights of disabled students, the student cable group, and the information services group.

The UA worked with Provost Mark S. Wrighton to organize a UROP forum in February. The forum "kicked off the whole effort" of lobbying for a change in the overhead regulations that severely reduced the amount of money available to pay UROP students.

Later this spring, several students lobbied the Office of Management and Budget and the Office of Naval Research in Washington, D.C. on behalf of the undergraduates. "Students accomplished what administrators could not" in Washington, Tsao said.

Tsao also started working to bring the Institute up to the standards set by the Americans with Disabilities Act of 1990. She met with several different administrators on behalf of concerned disabled students, and said she was pleased with the outcome.

"It shows a lot of promise for the future," Tsao said of MIT's work to comply with the act. "Something like this [compliance] will take a lot of time to implement. You can't suddenly educate a community on disability rights."

On the issue of student dining, the UA distributed a food service survey last October. Based on the results of the survey, the UA worked with East Campus officers to improve the hours of Morss Hall, Godfrey said. Food service will be an important issue again next year as ARA's contract with MIT expires.

Bush Fund 'sapped momentum'

The controversy last November surrounding the UAP's use of the discretionary Bush fund and the disclosure of the fund's records to campus publications "just took so much momentum out of the fall term activities of the UA," Godfrey said.

The controversy highlighted differences between the UA Finance Board and the UA Council and executive officers when the three top Finboard officers resigned shortly after the records were released.

At the beginning of his term, Godfrey wanted to work on "more of a communication structure with the students," he said. They achieved success with communication by "talking to the students, talking to the administrators, and finding out what the key issues were at MIT," Godfrey said.

An important function of communication is to "educate the undergraduate student body as to what the UA is all about, what the divisions are between the branches," Godfrey said.

Godfrey will release a report at the end of summer documenting the progress of the various committees and special projects of the UA, as well as recommendations for future action so future officers.

"The UA should start getting to be as much like a business as it can," Godfrey said. It should "cut costs as much as possible and try to develop groups or committees that generate funding" to leave more money for other student groups.

Tsao concluded, "Expect not to be appreciated but know that what you're doing means something, and you should be very proud of that."



THOMAS R. KARLO—THE TECH

Members of the MIT Solar Electric Vehicle club stand alongside their car, "Aztec," at the World Trade Center in New York City, as they prepare for the American Tour de Sol, a race from the New York to Philadelphia.

Engineering
and the
Mind's Eye

The MIT Press Bookstore

Spring into Summer

with new paperbacks from The MIT Press

ENGINEERING AND THE MIND'S EYE
Eugene S. Ferguson
"A sophisticated, thoughtful, and provocative analysis of the nature of engineering."
— Steven Lubar, *Science*
106 illus., \$12.95

THE REDISCOVERY OF THE MIND
John R. Searle
A formidable attack on current orthodoxies in the philosophy of mind.
A Bradford Book, \$12.95

POLYPHILO or The Dark Forest Revisited: An Erotic Epiphany of Architecture
Alberto Pérez-Gómez
A reflection on the erotics of architecture, Pérez-Gómez retells the love story of the famous Renaissance novel/treatise *Hypnerotomachia Poliphili* in late twentieth-century terms.
235 illus., \$17.95

MONTAGE AND MODERN LIFE: 1919-1942
edited by Matthew Teitelbaum
with essays by Maud Lavin, Annette Michelson, Christopher Phillips, Sally Stein, and Margarita Tupitsyn
160 illus., \$15.95

CONSCIOUSNESS RECONSIDERED
Owen Flanagan
"This is an excellent introduction to many of the issues concerning contemporary philosophy of mind... written in clear, elegant prose that should make it welcome reading for non-specialists. Very highly recommended."
— *Academic Library | Book Review*
A Bradford Book, 7 illus., \$12.95

THE COMPUTATIONAL BRAIN
Patricia S. Churchland and Terrence J. Sejnowski
This is the first unified and broadly accessible book to bring together computational concepts and behavioral data within a neurobiological framework.
A Bradford Book, 366 illus., \$19.95

WHAT IS ARCHITECTURE? An Essay on Landscapes, Buildings, and Machines
Paul Shephard
A fresh new voice in current postmodern debates about the history and meaning of architecture.
6 illus., \$9.95 paperback original

THE ARCHITECTURAL UNCANNY: Essays in the Modern Unhomely
Anthony Vidler
An engaging and original series of meditations on issues and figures that are at the heart of the most pressing debates surrounding architecture today.
14 illus., \$12.50

THE AGE OF DIMINISHED EXPECTATIONS
revised and updated edition
Paul Krugman
"A remarkable achievement, a quick read that tells you much of what there is to know about the great economic issues of the day."
— Peter Passell, *New York Times Book Review*
28 illus., \$12.95 paper, \$20.00 cloth

RETHINKING INTERNATIONAL TRADE
Paul Krugman
70 illus., \$15.00
Also available Krugman's *Peddling Prosperity* (Norton, \$22.00 cloth)

EFFECTIVE CYCLING
Sixth Edition
John Forester
A new edition of the classic, all-purpose bicycling book.
"Every page contains well-reasoned, clearly described, time-tested methods for everything from fixing flat tires to riding safely and comfortably in traffic."
— Ray Keener, *City Sports*
\$17.95 paperback

ENTER TO WIN A NEW BIKE!
Drawing is June 8.
Stop by for details.
A 1994 ATB or city bike from Broadway Bicycle School is the first prize.

Published by The MIT Press.
Available at fine bookstores.
The MIT Press Bookstore
Kendall Square
292 Main Street
Cambridge MA 02142.
617 253-5249
M-F 9-7, Sat 10-6, Sun 1-6.

Architecture
Art
Artificial Intelligence
Cognitive Science
Computer Science
Critical Theory
Design
Economics
Linguistics
Neuroscience
Philosophy
Photography
Science, Technology & Society

June to See Shifts in Top Positions

Administration, from Page 1

1984. In a News Office statement, Vest called Rice an experienced leader who "has commanded enormous, widespread respect as she has risen through our ranks. ... I look forward to working with her and am confident in the leadership she will provide to MIT."

Vest struck a similar tone when describing Stowe's credentials. "As we approached the next century it is clear that private resources will be the key to maintaining and enhancing MIT's excellence," he said. "I am confident that Barbara's leadership and creativity will assure that we set and attain aggressive goals."

Stowe has been at MIT since 1981. Her new responsibilities will include Individual Giving, the Office of Development Research and Systems, the Office of Foundation Relations and Development Services, and the Office of Corporate Relations.

Undergraduate scholarship and building needs topped Stowe's list for funding priorities, she said. "The real challenge is how to take our current fundraising program and ratchet it up to a new level of activity," she said.

Stowe added that the Undergraduate Research Opportunities Program is "one of the most distinctive aspects of life at MIT, and we have been talking a lot about how we might solve the current funding problems that UROP faces."

'Bittersweet' feelings

By many accounts, Willmore was among Simonides' closest aides; she now succeeds him as secretary of the Corporation.

"It is kind of bittersweet," Willmore said. "None of us would have these opportunities if Constantine hadn't died. It's hard. At the same time, I'm looking forward to working with the Corporation."

"As executive assistant to the president, Willmore has developed an extraordinarily broad grasp of MIT, its organization and its people," Vest said. "She will unify the flow of issues and information among the Academic Council, the MIT Corporation and its Executive Committee, striving for efficiency and effectiveness in Institute governance."

Shuffling vice presidents

Strehle's responsibilities as vice president for resource development will largely be shifted to Stowe, but he will assume many duties currently belonging to Culliton, including heading the Audit Division, the Office of the Comptroller, the Lincoln Fiscal Office, the Property Office, the Office of Financial Planning and Management, and Purchasing and Stores. He is to continue as treasurer.

Vest praised Strehle for his "modern, effective organization, a talented staff that is second to none, and a highly successful Campaign for the Future that has secured the Institute's future in many dimensions."

As vice president for administration, Culliton will retain responsibility for the Office of Sponsored Programs and Office of Registration and Student Financial Services. But he will gain duties many of Simonides' duties in heading the Office of Admissions, Career Services and Preprofessional Advising, the Athletic Department, and the Medical Department.

"Culliton is highly respected for his administrative skills, and for his ability to foster teamwork and career development," Vest said. "He is a respected strategist and spokesperson at the national level for university/government affairs in areas such as sponsored research funding and administration."

Ramy Arnaout '97 contributed to the reporting of this story.

W2 to Be Part of McCormick

By Garlen C. Leung
TECHNOLOGY DIRECTOR

Renovations to Building W2 and construction of an enclosed walkway connecting it with McCormick Hall will add 26 beds to the women's dormitory this fall.

The work will cost about \$1.5 million, said Director of Special Services Stephen D. Immerman.

Three triple occupancy rooms, seven doubles, and two singles — one of which will be handicap accessible — will be available, in addition to one graduate residence tutor apartment, said Project Coordinator for Physical Plant Thomas Phalen.

Annex residents will have to enter through the front door of McCormick, to preserve the security of the dormitory. "Security is a premium at McCormick," and a second entrance was undesirable, Stewart said.

A new enclosed walkway will connect W2 to the first floor of McCormick, with a handicap accessible lift to conform to the Americans with Disabilities Act, Stewart said.

The changes will be reevaluated after one year. "We will review to see how [the annex] went, if we make a decision [to make a change], it would be then," Randolph said.

Transforming Building W2 into a McCormick annex was generally accepted by residents. "I think it's great," said Smruti J. Vidwans '95. "[They] made a very wise decision."

"Most agree that more housing for women at MIT is a good thing," Stewart said. "It is an acceptable stop gap measure [against overcrowding], though not a solution to shortage of housing."

Building considered for sororities

The Office of the Dean for Undergraduate Education and Student Affairs began discussing plans for the annex this spring with a committee from the house, according to McCormick Housemaster Charles Stewart III.

Then residents discussed at individual floor meetings whether Building W2 should become an extension of McCormick or a separate sorority house. People were concerned that the annex would not be an integral part of the dormitory, Stewart said.

There was "overwhelming opposition to dedicating it to a sorority," Stewart said.

"I would much rather see

[Building W2] as a part of McCormick or as a separate house for a sorority," said resident Tammy L. Stoops '94. "McCormick isn't a sorority house; it's a dormitory for women. If [the annex is] just a sorority, then they should maintain it separately, and McCormick shouldn't be responsible."

Residents were also concerned that the change would result in an increased load on existing dormitory resources such as laundry facilities, kitchens, and common spaces, Stewart said. But Phalen said that a small laundry room has been added to the basement.

In addition, the point system used to assign rooms for residents within McCormick was revised, Stewart said. Residents did not want the annex to turn into a "freshman ghetto," since there are only a few singles available.

Students living in the annex will receive credit similar to those living in a triple, Stewart said. These students will then have high enough

priority to move back into a single room in the main building. This would also encourage people who want doubles to move to the annex, Stewart said.

The change to the room assignment system was good, Viwans said. "Now there is an incentive to go to W2."

Construction on schedule

The renovation to Building W2 is proceeding on schedule, according to Randolph. "The demolition [to the interior] is complete and the wall framing is underway," Phalen said. The renovations are expected to be completed by middle-to-late August. The chaplains, who were formerly housed in Building W2, will move to Building W11 after those renovations are completed in early June, Randolph said. They are temporarily scattered in offices located around the Institute. The Center for Advanced Visual Studies, previously located in Building W11, is being phased out.

The Tech News Hotline 253-1541

Congratulations, Graduates
from MIT Medical

We hope you don't need
your health insurance
this summer, but
just in case. . .

If you're graduating or leaving MIT:
your 93/94 MIT student insurance lasts through 8/31/94*
If you're returning to MIT in the fall:
your 93/94 MIT student insurance lasts through 8/31/94*

*except for special programs

mit medical ■ questions? call 617-253-4371

RISING SOPHOMORES!

Did you do TeamWorks in 3.091, 5.11, or 7.014 this year?

As a "veteran", would you like to join the TeamWorks Group this summer as it works to expand collaborative learning in next year's freshman core?

Then the TeamWorks Group needs YOU!

If interested, phone Justin Knight at 3-6771 or e-mail teamworks@mit.edu.

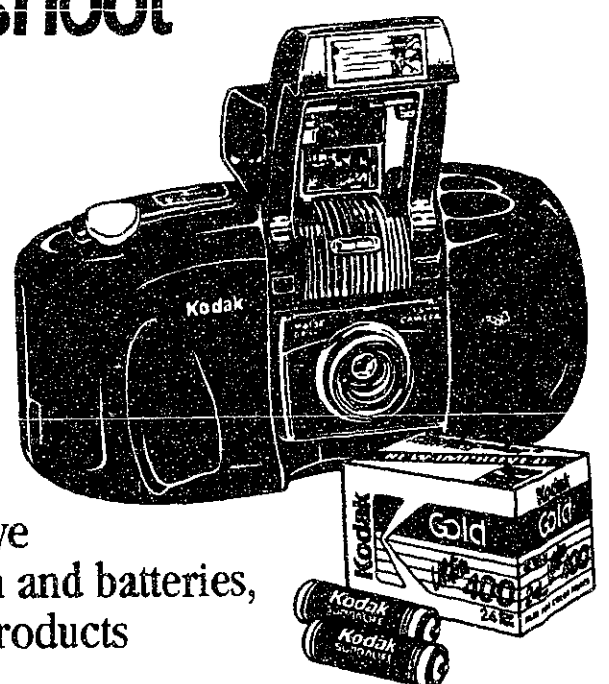
Don't just think about it...

DO IT TODAY!

New! Put point-and-shoot in your pocket.

KODAK CAMEO Motordrive 35 mm Camera

- ultra compact—fits in pocket
- auto film prewind and advance
- electronic flip-up flash reduces red-eye
- includes KODAK GOLD Ultra 400 Film and batteries, and \$10 worth of vouchers on both products



59⁹⁹



The Coop at Kendall Square
3 Cambridge Center
Mon-Fri 8:45-7:00
Thur Til 8:30
Sat 9:15-6:00



"Sterwave" Awarded \$10K by Entrepreneurs Club



The Sterwave Group, winners of this year's \$10K Entrepreneurial Competition, flanked by Lindsay Morgenthaler (left), and David Morgenthaler '94.

By Eva Moy
EDITOR IN CHIEF

The eight members of Sterwave, a group that plans to commercialize a new technology for the sterilization of laboratory, medical and food products, earned the top spot and \$10,000 in the Fifth Annual MIT \$10K Entrepreneurial Competition on May 11.

The team — Jason T. Chen '94, Alberto Haddad G, Owen Hughes '86, Robert W. Lewis G, Khinlei Myint-U G, Peter Y. Nuytkens G, Suzanne C. Oakley G, and Srikar Srinath '94 — beat out 32 other teams for the annual prize, awarded to the group with the most promising plan for a new business, said Joost P. Bonsen '92, the competition's chairman.

"The technology has broad application to both small-scale ster-

ilization of materials at hospitals, such as surgical supplies, and large-scale sterilization of manufactured goods which arrive to the customer sterile, such as syringes, bandages, and petri plates," Hughes said.

Sterwave's microwave-based technology dramatically reduces costs, environmental hazards, and damage of the materials being sterilized, Hughes said. Currently, the most widely used sterilization technologies are steam heat, gamma irradiation, and ethylene oxide, a poisonous gas.

The contest is coordinated by the MIT Entrepreneurs Club and the Sloan New Ventures Association, with the support of donors from inside and outside of the Institute. Team members may be MIT undergraduates, graduate students, or alumni; the winning team had one engineering graduate student, two engineering undergraduates, one post-doctoral fellow in biology, three Sloan MBA students, and one Sloan fellow.

The competition "encourages student-led teams to flesh out what it means to be an entrepreneur," to take an idea and build up a plan for bringing it to market, Bonsen said.

Coordination was difficult

"The hardest part of this \$10K contest project was coordinating the efforts of eight very busy people," Hughes said. "I've been told that this has been the largest \$10K team to date, and I think it was the most diverse."

The club helped participants form teams through social events, a resume book, and networking. About one-third of the students in this year's competition were undergraduates, though most of those were upperclassmen. In addition to

10K, Page 13

*Congratulations
class of '94*

**from the leader
in test preparation**



LSAT ~ GMAT ~ MCAT ~ GRE

1-800-KAP-TEST

來 利 樓

**Larry's Chinese
Restaurant**

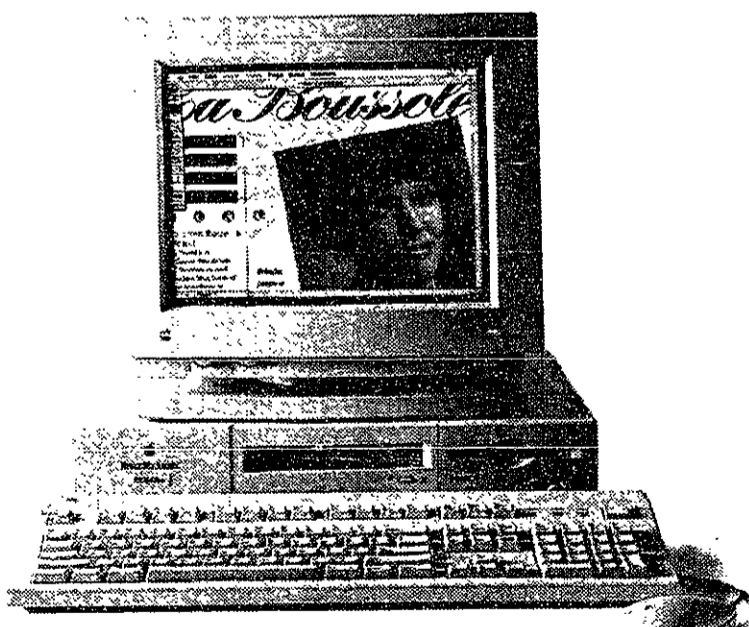
302 Massachusetts Ave., Cambridge
Orders to go, or dining in

FREE DELIVERY TO THE M.I.T. CAMPUS — \$10 MINIMUM
Luncheon Specials served daily, 11:30 a.m. — 5:00 p.m., starting at \$2.95
Special Dinner Plate just \$4.95 all day long
10% OFF FOR STUDENTS WITH A VALID I.D.
(for dine-in dinners only; \$10 minimum purchase)

Call 492-3179 or 492-3170

Monday — Thursday, 11:30 a.m. to 10:00 p.m.
Friday — Saturday, 11:30 a.m. to 11:00 p.m.
Closed Sunday

Introducing the fastest ways to get through college.



Power Macintosh™ 6100/60 8/250,
internal AppleCD™ 300k Plus CD-ROM Drive, Macintosh®
Color Display, Apple® Extended Keyboard II and mouse.



Power Macintosh™ 7100/66 8/500,
internal AppleCD™ 300k Plus CD-ROM Drive, Macintosh®
Color Display, Apple® Extended Keyboard II and mouse.

Speed. Power. And more speed. That's what the new Power Macintosh™ is all about. It's a Macintosh® with PowerPC™ technology. Which makes it an incredibly fast personal computer. And the possibilities are endless. Because now you'll have the power you need for high-performance applications

like statistical analysis, multimedia, 3-D modeling and much more. So, what are you waiting for? Visit your Apple Campus Reseller for more information and see for yourself. Now that Power Macintosh is here, college may never be the same.

The new Power Macintosh from Apple.



MIT Computer Connection, Student Center, W20-021
253-7686 • mcc@mit.edu

*Stop by and test our 6100/60, 7100/66, and 8100/80 Power Macintoshes. You'll like what you see!

Artist, Designer Cooper Dies

Cooper, from Page 1

ton, head of the Program in Media Arts and Sciences who has worked closely with her over the years. "As a founding member of the Media Laboratory, she was a wise counselor in shaping our evolution. After 15 years of leadership in graphic design, she was just reaching the fullest expression of her computational design genius."

Professor Nicholas P. Negroponte, director of the Media Laboratory, said, "We have lost the leader of the most revolutionary thought about graphics and computers. All of us at the Media Lab and elsewhere, who learned so much from Muriel, are now tasked to carry those concepts forward without her, which will be very difficult but very likely, given the large number of creative minds she spawned in her teaching, her research and her very being."

Teaching and research at the Visible Language Workshop, established in 1973, focuses on how computers can enhance the graphic communication process and, inversely, how high-quality graphics can improve computer information

systems.

"When you start talking about design in relation to computers," she said in a recent interview, "you're not just talking about how information appears on the screen, you're talking about how it's designed into the architecture of the machine, and of the language. You have different capabilities, different constraints and variables than you have in any other medium, and nobody even knows what they are yet."

Cooper came to MIT in 1952 as director of the Institute's newly-formed Office of Publications, now known as Design Services. After leaving MIT in 1958 to take a Fulbright Scholarship in Milan, she returned to Boston and ran her own graphics studio for several years, with the MIT Press among her clients. During that time, she designed the world-famous logo for the MIT Press.

In 1967, she joined the MIT Press as its first art director and became widely recognized for her innovations in book design. Her work in print includes over 500 books, more than 100 of which have been awarded recognition in various competitions. Her best known book

was the Bauhaus volume.

After seven years at the MIT Press, she started teaching a subject at MIT, called Messages & Means, which looked at graphics in relation to technology. The course was co-taught with Ronald L. MacNeil, now a principal research associate in the Media Lab.

She became an assistant professor in the Department of Architecture in 1977, the first graphic designer appointed to the faculty. She was promoted to associate professor in 1981 and professor in 1988.

Cooper received a BS degree in education from Ohio State University in 1944, and both the BFA in design and BS in education from the Massachusetts College of Art, in 1948 and 1951.

In 1992, she was the first recipient of the Robert P. Gersin Design Excellence Award given to a graduate of the Massachusetts College of Art.

She is survived by two sisters, Helene Jackson of Boston and New York City, and Charlotte Lopoten of Philadelphia.

A funeral service will be held at the MIT Chapel Sunday at 12 p.m. A memorial service will be held at MIT on a date to be announced.

Aga Khan to Address Seniors

Commencement, from Page 1

Vest will present diplomas to students receiving bachelor of science degrees; some of these graduates will also receive master of science degrees. Provost Mark S. Wrighton will hand out advanced degrees. Students will approach the stage in two lines, with their names announced in an alternating pattern.

Following the Commencement ceremony, Vest will host a reception for graduates, their guests, and members of the 50th reunion Class of 1944 and the 25th reunion Class of 1968 at several locations in or near McDermott Court.

Students receiving doctoral degrees were hooded yesterday at a special ceremony in Rockwell Cage. Departments and their representatives assisted school deans in hooding the degree recipients.

About 30 graduating cadets and midshipmen in MIT's Army, Air Force, and Navy Reserve Officer Training Corps units will be com-

missioned alongside the historic frigate *USS Constitution* at 4:30 p.m. The address will be delivered by Air Force Secretary Sheila E. Widnall '60, who was formerly an associate provost and is currently on leave from her position as professor of aeronautics and astronautics.

Harvard-educated leader

In announcing the selection of the Aga Khan as Commencement speaker, Vest said, "His commitment to using modern resources for the betterment of his people, and his deep concern for their welfare, make him a fitting role model for those whose own careers will have similar potential."

The Aga Khan, a direct descendant of the Muslim prophet Mohammed, became 49th Imam (spiritual leader) of the Ismailis in 1957 at the age of 20, a year before his graduation from Harvard University. This followed the death of his grandfather, the Aga Khan III, who wanted to be succeeded by a

"young man who has been brought up in the midst of the new age."

In 1979, with an initial gift of more than \$11.5 million, he established the Aga Khan Program for Islamic Architecture at MIT and Harvard, a major cultural effort to preserve and restore the values and practice of architecture that reflects the Islamic spirit. The joint program embraces research and teaching in architecture of the Islamic world and links both MIT and Harvard with universities in the Muslim world.

POLICE LOG

The following incidents were reported to the MIT Campus Police between April 22 and May 12:

April 22: Memorial Drive, Campus Police assisted State Police with the arrest of three males for larceny of a motor vehicle and other related charges.

April 23: Baker House, \$20 stolen.

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

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

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

April 27: West Garage, 1) vandalism to a Toyota, 2) SAAB broken into and change taken; Bldg. E51, suspicious activity.

April 28: Bldg. 3, coins stolen, \$30.

May 1: Bldg. 2, suspicious activity; Tang Hall, taxi fare evasion.

May 2: Bldg. E53, student problem; Bldg. 64, student problem; Student Center, larceny of food; Bldg. 33, bicycle stolen from rack, \$430.

May 3: Bldg. 3, student problem; Bldg. NW22, oak shelving stolen, \$3,000.

May 4: Bldg. 10, computer stolen, \$2,800; Bldg. E52 plaza, bicycle stolen, \$300.

May 5: Bldg. 18, radio stolen, \$50; Bldg. E51, electronic mail harassment.

May 6: Bldg. 3, 20 containers of tennis balls stolen, \$80; Bldg. 7, graffiti.

May 8: Burton House, bicycle stolen, \$210; Westgate, suspicious activity; East Campus, vandalism; Bldg. 2, malicious destruction.

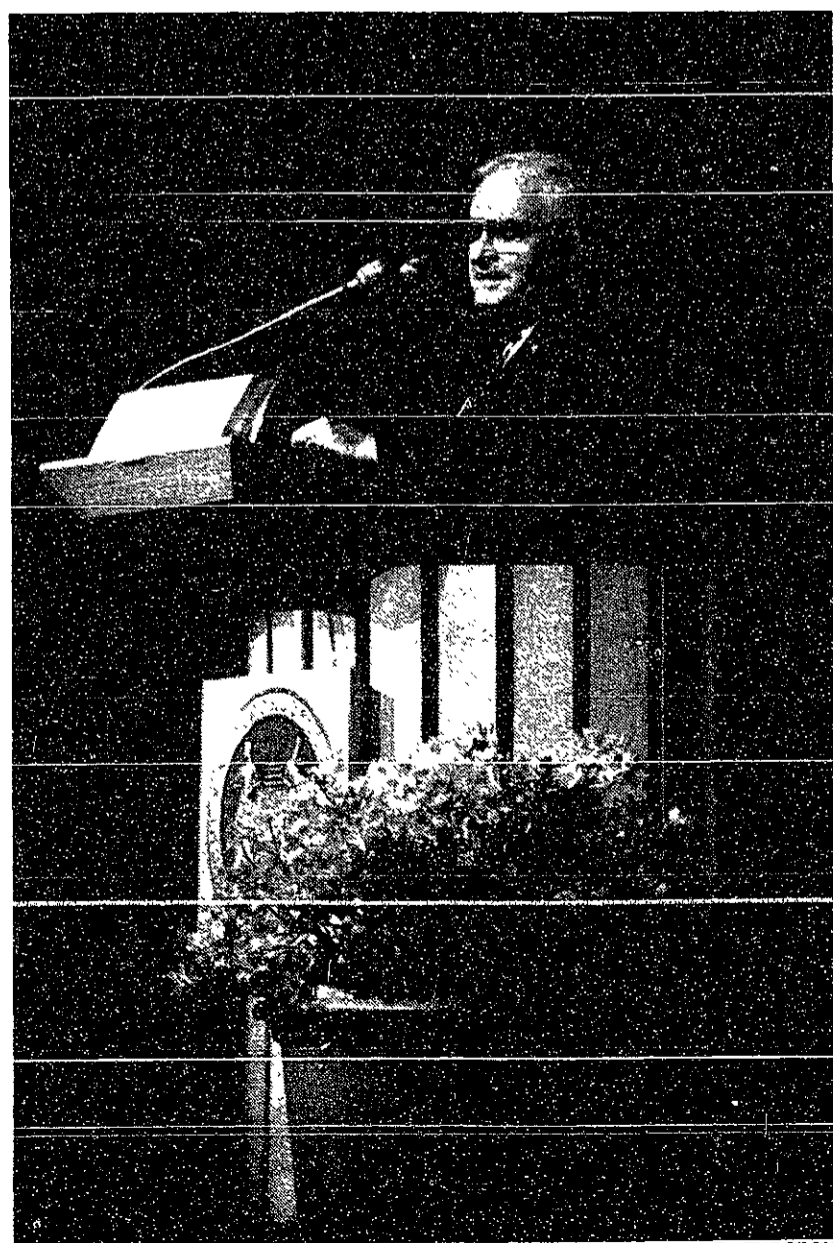
May 9: Westgate lot, malicious damage to a car; Student Center bicycle rack, bicycle stolen, \$200; Du Pont men's lockerroom, wallet stolen, \$10.

May 11: Bldg. 36, vandalism; Bldg. E15, bicycle stolen from plaza rack, \$375; Bldg. 54, wallet stolen, \$80.

May 12: Bldg. E25, male arrested for trespassing; Bldg. 14, suspicious activity; Senior House, graffiti; Bldg. 36, cash stolen, \$70; West Garage, malicious damage to a car; Student Center, wallet stolen, \$30; Bldg. 11, watch stolen, \$50; Burton House, bicycle seat stolen, \$50; Bldg. E52 bicycle rack, bicycle stolen, \$170; ATO, camera bag stolen, \$300; West garage, radio removed from VW, \$250.

Flame!

Send letters to letters@the-tech.mit.edu



YUEH Z. LEE—THE TECH

Paul E. Gray '54 speaks at the memorial service for Constantine B. Simonides '57 in Kresge Auditorium on May 8th.

Just because
you're graduating
doesn't mean you get
to forget about MIT.
Subscribe to *The Tech!*

A subscription to *The Tech* is the best way to keep in touch with the Institute. It only costs \$20 for a one-year subscription.

To subscribe, call our circulation department at 258-TECH (leave a message if no one is here), or send electronic mail to circ@the-tech.mit.edu.

... or read *The Tech* electronically over the World Wide Web!



You can also read *The Tech* anywhere on the Internet using the World Wide Web — for free! Our Universal Resource Locator is <http://the-tech.mit.edu/>

COMMENCEMENT '94 AT THE COOP

Best Wishes on Commencement Day

We've Been Here For Students Since 1882

The Coop Has Everything You Need To Make Today Even More Memorable

We're The Graduation Headquarters!

Put Your Hand on Substantial Savings During Jostens Ring Days

May 27th, Noon-5pm at The Coop at Kendall Sq., Stationery Dept.

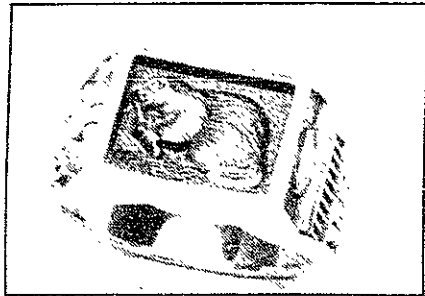
\$130 Off 18K

\$70 Off 14K

\$35 Off 10K



A golden tradition! A golden value! Handsomely crafted, meticulously detailed Jostens class rings for seniors, graduate students and alumni.



Jostens Lifetime Golden Warranty:

- Resize your ring at any time **FREE**.
- Replace or repair any defects in materials or workmanship in either a simulated stone or ring **FREE**.
- Change curriculum or graduation year **FREE**.

Redefining the Classics: The M.I.T. Insignia Collections at The Coop.

The Coop has the largest selection of insignia clothing, accessories and gifts anywhere.



Buy \$50 Worth of Champion Insignia Merchandise and Receive a **FREE All Cotton Champion Branded T-Shirt**

Sizes L & XL. Limited Quantities, While Supplies Last.

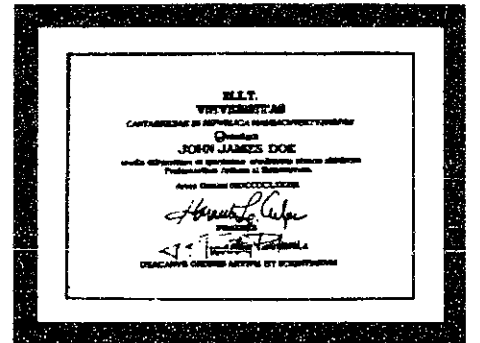
One-Hour Diploma Framing Service Special SAVE 35% -50%

**May 27, Fri. 8:45-7PM,
May 28, Sat 9:15-6PM**

Archival Framing **\$28**
Framed Complete

Comp. Value \$45

Professional framing, in several sizes, includes conservation acid-free backing, glass, and your choice of 5 classic wood frame styles. While supplies last.



Also Available:

Framed Complete **\$38**
with Special Rag Mat

Comp. Value \$75

Custom Frame Desk in the Book Dept. at The Coop at Kendall, Lower Level

Sit Down with a Classic: Official M.I.T. School Chairs.

Traditional M.I.T. classic captain's chair. Handsomely crafted of superior northern hardwood with official seal. Choose cherry or black arms. #430401.

\$235

Also available in Laser deep-etched M.I.T. seal with cherry finish and cherry arms

**FREE Personalization.
\$280**



Allow 10 weeks for delivery. #437580.

FREE Engraving with \$25 Purchase of Parker or Cross Pens

CROSS

At The Coop at Kendall May 27th 10am-1pm

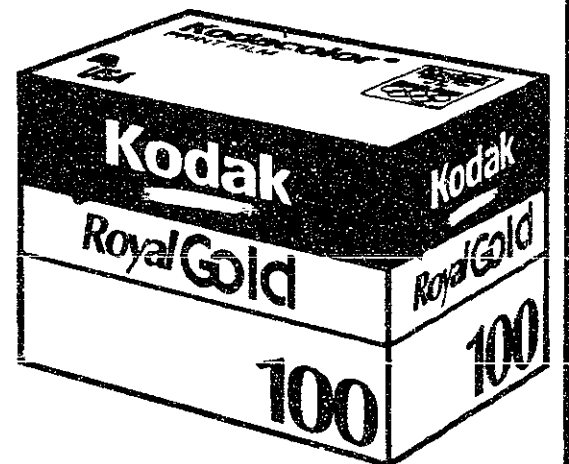
PARKER

At The Coop at Kendall May 27th 1pm-5pm

INTRODUCING A SPECIAL FILM FOR MOMENTS THAT MATTER MOST.

New KODAK ROYAL GOLD Film. Some moments happen only once in a lifetime. And now, you can plan on giving them the extra-special treatment they deserve with new KODAK ROYAL GOLD Film.

- Extra-clear, extra-sharp details
- Rich, accurate color
- Fine grain
- Available in ISO 25, 100, 400 and 1000



36 EXP. \$5.79



It's Time to Renew Your Coop Membership.

It's always a smart move to renew your Coop Membership. And the annual fee is still just \$1.00 as it has been for 112 years. For more information, or to renew, just drop into The Coop, or call our

Membership Hotline: 1-800-368-1882.

For Your Shopping Convenience: The Coop at Kendall will be open at 8AM on Commencement Day, and on Alumni Weekend, it will be open Sunday, June 5 from Noon to 6PM.

To Receive A COOP Insignia Catalog, Please Call: **1-800-368-1882.**



The Coop at Kendall Square
3 Cambridge Center
Mon-Fri 8:45-7:00
Thur Til 8:30
Sat 9:15-6:00



International students and their parents recently got together with their host families for the first time. The gathering was sponsored by the Alumni/ae Association and the International Students' Office.

Outgoing Council a 'Team Effort'

By Vipul Bhushan and Daniel C. Stevenson
STAFF REPORTERS

The 1993-94 Graduate Student Council was characterized by "a big team effort," said outgoing GSC President Caryl B. Brown G. "What I could have done on my own is miniscule compared to what we were able to do as a team."

The GSC made significant headway on the issues of harassment and safety and pushed hard for MITnet in graduate dormitories and the grocery shuttle, Brown said.

Outgoing GSC Vice President Christopher M. Gittins G didn't see himself "as someone who was going to be a leader, but as one who had been around for awhile to lend support."

Brown said he "would define a successful GSC as one that makes quantifiable and qualifiable improvements in the quality of life of graduate students," and that by this definition they had been successful.

Gittins said the GSC is not a governing organization, adding that "graduate students have no need and no desire to be governed." The GSC is a lobbying group which provides structure for pushing for improvements in the graduate student quality of life. It also has an important role to play in bringing graduate students together and "facilitating social interactions," he said.

'No one issue'

Progress was made despite the fact that there was no rallying call, Brown said. "There wasn't one

issue that really brought the grad students to their feet," he said. "We had to be more proactive by looking outside and asking what can we make better."

As examples, Brown and Gittins mentioned recent GSC efforts in the areas of combatting harassment, improving personal safety, and the expansion of MIT's Ethernet into graduate dormitories as examples of successes.

They also highlighted student involvement as a key area to improve. "One of my personal goals was to try to increase people's participation in GSC events and awareness of the GSC and what we try to do," Brown said.

Participation in the GSC was up, Brown said, and many of those involved are first-year students. There is much room for improvement though, Gittins said, estimating that they only reached 10 to 20 percent of the graduate student body. They should also reach out more to married students, he said.

Brown had tried to create or strengthen department-level councils, he said, with only limited success. "Some of the departments have very active, high-quality organizations that have socials and bring in speakers," he said. They wanted to "learn from those [departments] that are successful and transfer those lessons to departments that don't have any [such councils] or aren't successful."

Gittins identified the GSC effort to have Ying Ying Li promoted from support staff to administrative staff as an unfinished task. The change would reflect and facilitate

Li's involvement as an assistant to the officers, he said, rather than as a secretary.

Built on previous years

Gittins spoke highly of his fellow outgoing officers and committee chairmen. Brown built on the work of his predecessor Anand Mehta G in improving the GSC's image within the administration and "laying the groundwork for it to become a first rate organization." Gittins also lauded former treasurer Brett D. Granger G for his success with the books and John F. Olson G for his creative advertising and publicity efforts.

Gittins expressed confidence in the new officers, who took office earlier this month. President Roger Kermod G headed the Activities Committee and "can get people involved," he said. Vice President Stan Reiss G has also been involved in many ways, as has Secretary Susan L. Ipri G he said.

Gittins declined to give the new officers any advice, "because they're fully able to devise their own way of doing things," he said. He said he would only volunteer an opinion if it's solicited.

Citing the agreement to install MITnet in graduate dormitories, Brown's advice was "don't take no for an answer from the administrators."

Students Win \$10K To Start a Company

10K, from Page 10

engineering and management majors, students also represented fields in science, architecture, and the humanities.

The competition began in early February, when the 33 teams submitted five-page business proposals, Bosnes said. He added that each summary included a description of the idea, analyses of the potential market and competition, and a brief action plan.

Business plans for ventures which have already received funding are not eligible for the \$10K Competition, Bosnes added.

Nine teams were picked as semifinalists in early March, at which point they began to prepare business plans. The plans included an executive summary, quarterly final projections for two years, annual projections up to the fifth year, and a break-even analysis, Bosnes said. Having a working model, as each of the semifinalist teams did this year, was also advantageous, he added.

Six finalists teams were chosen by late April to prepare a short presentation. Following the presentations, the teams were questioned by the contest judges. The final winner was then chosen for the overall quality of the idea and strength of the plan — "a powerful idea with a

well-done plan," Bosnes said.

The finalists were: Up & Comers Trading Card Co., manufacturing personalized sports action cards; Senflex, enabling flexible manufacturing and process control through wireless technology; Hyperlearning Inc., computer-aided interactive learning guides for math, science, and engineering; Medialink, developing products to deliver multimedia content over existing infrastructures; and The Labor Market, and on-line employment agency.

Sterwave is currently in the process of incorporating, filing patent applications, and continuing its technology development, Hughes said, adding that they hope to have a full-scale prototype by the end of summer. "I've been delighted by how the project has evolved, and I think it will continue to grow," he said.

Several members of last year's winning team, now Novus Packaging Corporation, have started to take their plan to market. Novus is developing Pillowpak, an inflating packaging product for medical equipment. Other teams have stayed together but moved on to different projects.

"The packaging market is brutal," Novus President Nicholas De Luca '93 said to Bosnes. "You've just got to find a niche and go for it."



Dean of the Graduate School Frank E. Perkins '55 and Physics Department Head Ernest J. Moniz hood Theodore W. J. Sung PhD '94 at yesterday's ceremony in Rockwell Cage.

Catch the World with GRUNDIG

Grundig Yacht Boy 400 The Newest Digital by Grundig AM/FM World Band Radio, Upper/Lower Sideband, Travel Alarm and More.

\$249⁹⁹

Rated Best in its Class



the Coop
M.I.T.

The Coop at Kendall Square
3 Cambridge Center
Mon-Fri 8:45-7:00
Thur Til 8:30
Sat 9:15-6:00



Massachusetts General Hospital

Laboratory of Computer Science APPLICATIONS PROGRAMMER

New Direction - New Technology - New Opportunities

The Laboratory of Computer Science, a research and development group of the MGH, offers exciting opportunities on its software development team for full-time Applications Programmers. Use state-of-the-art tools to design, develop, implement and support innovative health care database management systems. Join our team of medical and computer professionals.

To qualify, applicant must have PC programming experience using a relational database package and SQL; development experience with Toolbook, Visual Basic or other GUI tools; experience in Windows environment. C/C++ experience desirable; client-server experience a plus. BS/BA required; 1-3 years' work experience preferred.

Please send resume with letter of interest to: Gayle O'Book, Sr. Recruiter, Massachusetts General Hospital East, Mail Code 1497007, 149 13th Street, Charlestown, MA 02129.

Proudly pursuing equal opportunity and affirmative action.

For the Good of Mind, Body, and Spirit
THE MGH HEALTH AFFILIATES

THE ARTS

Several MIT students pursue their artistic goals

CONTINUING THEIR ARTISTIC STUDY

Christopher A. Adler '94,
Cheston D. Buchanan '94,
and Adrian P. Childs '94.

By Ann Ames
ARTS EDITOR

Three of this year's seniors will be moving on to graduate programs in the arts next fall. Christopher A. Adler '94, a mathematics and music major, will pursue a Ph.D. in composition at Duke University. Cheston D. Buchanan '94, who graduated in February with an S.B. in civil engineering, will enter Boston University's creative writing program for a Master's degree. And like Adler, Adrian P. Childs '94 is a mathematics and music major who will be pursuing a Ph.D. in composition, though he will attend the University of Chicago.

Adler said that during high school he had intended to study music in the future, but by the time he graduated, he had given up that

idea. When he arrived at MIT he decided to major in mathematics instead. However, after his sophomore year, having just taken a beginning theory class taught by Assistant Professor of Music and Theater Arts Evan Ziporyn, he added music as his second degree program. "Evan made me believe there's a lot more out there [in terms of musical careers] than I had resigned myself to believing," Adler said. Ziporyn became Adler's mentor and thesis advisor, and eventually suggested the Duke University program. Adler applied, and was not only accepted, but was also presented with a J. B. Duke Fellowship for his graduate work.

After attending Exeter for four years, Buchanan had no desire to continue his education at an Ivy League school. He liked the cultural and intellectual atmosphere of the northeast, however. Having been told that MIT was trying to build a more diverse, well-rounded student body, it seemed like a good choice for him. He toyed with the ideas of several differ-

ent majors, eventually settling on civil engineering. He also studied writing, and under the tutelage of Senior Lecturer in Writing Iona Karmel, he won a 1993-94 List Foundation Fellowship to support the preparation of a short novel, entitled *Pike*. Karmel also encouraged him to apply for the Martin Luther King, Jr. Fellowship at BU, which he received. "She has been really inspirational," Buchanan said. "She's the whole reason I applied for these fellowships."

The book, which Buchanan also illustrated with line drawings, was printed earlier this year by MIT Graphic Arts. Following this year's commencement ceremonies, a community reception in celebration of this publication will be held at the MIT Office of the Arts. A limited number of signed copies of the book will be available there.

Childs has been incredibly active in the MIT musical community since arriving here in 1990. He has played bassoon, piano, and cello with the MIT Symphony Orchestra, the

MIT Concert Band, the MIT Premiere Orchestra, numerous chamber groups, and the MIT Shakespeare Ensemble. In addition, he composed the music for recent experimental performances by the Shakespeare Ensemble, and he has written two pieces for the Concert Band.

Childs was also president of the Concert Band for two years and has conducted the group on many occasions. He has studied composition here with Professors of Music and Theater Arts John Harbison and Peter Child. His acceptance to the prestigious composition Ph.D. program at the University of Chicago suggests that many more wonderful things can be expected of him in years to come.

Many other MIT students participate and excel in the arts at MIT. The humanities here are becoming constantly more visible and respected, and with graduates going on to programs like those mentioned above, the image of the arts at MIT can only grow.



Join The Tech Arts Staff!!!

If you would like to review movies, plays, music, or concerts call 253-1541.

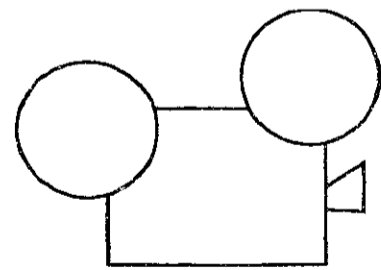


Come to LSC to see the movie too **HUGE** to be viewed on a TINY screen.

Sept 6: Reg Day 1994 — Check our booth at registration for locations and times

Where else can you get:

- Recent films in 35mm on Friday, Saturday, and Sunday
 - Weekly Classic films on Friday
 - Cinema scope (when available)
 - Dolby Surround Theater Sound
 - Cheap Popcorn and other various refreshments
 - a place to see movies with 564 of your closest friends



All this for only \$2 (with MIT/Wellesley ID)

But...

Is \$2 too much for you?

And do you like to work with machines? Or can you get along with people?

Then JOIN LSC

and you (and your closest friend) can get into all the movies for FREE.

Interested? Visit W20-469 (Student Center) or call x3-3791.

Plenty of thrills without frills in this year's *Technique*

TECHNIQUE 1994

Doris L. Lee '94, Editor-in-Chief.
Wilfredo Sanchez, Jr. '94, Photography Editor.
384 pp.

By Ann Ames
ARTS EDITOR

In past years, I have looked at the yearbook solely out of vanity; I wanted to see myself and my friends, perhaps to feel that we have somehow been immortalized in print, but probably just for the momentary thrill of looking at published pictures, complimentary or otherwise, of people I know. Sure, I read many of the quotes, but only to see what horrible things people could say about MIT.

This year I found myself in a very different position. I haven't taken classes for a year, most of my friends have already graduated, and I probably would not have paid any attention at all to *Technique* had I not been asked

to review it. So instead of passing a quick glance through the pages and being done with it, for the first time I have had to pay attention to details that I would never have cared to notice otherwise. What I found was a little surprising, for both positive and negative reasons.

There are seven titled sections to the book, as well as an extensive opening photo collection. Each section is heralded by a subtitle page facing an essay. These essays range in style from a recap of the year for the "Athletics" section to a fictitious electronic mail message, complete with Athena headers, from a character by the username of "misery" for "Life in Hell." With the exception of the latter, all of these examples of prose are thoughtful and intriguing, and some border on the poetically philosophical, such as Jason K. Bucy's '96 line, from the beginning of the "Living Groups" section, in which he informs

his readers that "I sleep in a loft made from timbers of a barn built before I was born."

The journal section provides a fairly thorough reflection on the events of the past year, chronologically linking MIT news to that of the rest of the world, and bits of world news to each other. Sometimes this brings humorous results, as on October 4, when the first entry for the day announces "The Pope issues an encyclical, entitled 'The Splendor of Truth,' aimed at taking a firm stand on moral issues." Immediately following this, on the same day, we are informed that "Former Catholic priest James A. Porter pleads guilty to molesting dozens of young people 30 years ago. In December he is sentenced to 18 to 20 years in prison."

Some of the entries are also documented photographically, and emphasis is placed on these bits of news by setting them in a larger font size and bordering them on top and bot-

tom with bold black lines. If everything were perfect in the photo-entry pairings, this would have been an effective and clever method of captioning the pictures. Unfortunately, the link between photo and "caption" is not always clear, nor do the two things always occur on the same open pages; it may be necessary to turn a page to find out where a certain photo came from or why a news entry deserves more attention than others on the page. Indeed, this last question is often not clarified by the photo, as in the case of the May 11 entry, "SCC sponsors a free concert, featuring Cliffs of Dooneen, on the steps of the Student Center." Yes, this is interesting, but hardly more important than an entry in standard format on the same page which states that "Five students are caught allegedly in the act of stealing \$20,000 in computer equipment from an Athena cluster in Building 52."

Simplicity, overall, is the true beauty of this book. Text is text, and photos are photos, and never the twain shall meet. Initials printed at the bottom of each page signify the title of the section in which the page falls, seeming almost to have been placed there in order to keep the lonely page numbers company. It is a small detail, but that much more elegant for the simple, unobtrusive way in which it adorns the page. There are no "artsy" graphics cluttering up *Technique's* space with unnecessary flourishes. The photography and brief prose are allowed to speak for themselves.

Most of what they have to say is good. One of the more lucid statements is a photo of Building 4, taken from Killian Court by Yueh Z. Lee '95. Full of angles and contrasts, the picture at first glance is relentlessly dominated by the building, which seems to jut out of the page, looming huge and intimidating over the tree and sculpture nearby. But should your eyes happen to catch the figure seated at the bottom left of the photo, reclining against the building's monstrous pillar, suddenly all attention is diverted in there to that tiny speck of humanity, the only one in the photo. This man takes on almost an heroic stature, resting so casually beside the imposing face of MIT's main building. Then, when you manage to tear your gaze from him, perhaps you'll be drawn to notice the incredibly subtle, yet totally obvious, shadow thrown on the building by the flag flying high on its pole, waving in the breeze.

But the most gripping photograph in the book is of Christina Park, a vibrant young woman tragically killed in a plane crash earlier this year. The picture, taken by Stephen S. Hau '94, shows Christina on a balcony of the church at Copley Square, looking back over her left shoulder at some person or object unidentified in the photograph, but replaced in *Technique* by a picture of the Senior House on the facing page. Wilfredo Sanchez, Jr. '94 took this photograph from above the yard, and the combined effect of the two pictures makes it appear that Christina is looking at once back at her home, and yet beyond the commotion of the courtyard festivities. The photo of Christina is charming; its placement is intelligent, poignant, more heart-warming than heart-breaking. It is a fitting tribute to a woman so full of life.

This single photographic moment makes the book a success in my eyes, but I have to admit to a biased opinion. Imagining for a moment that this pair of pictures does not exist, there are plenty of other merits to the book. Some have already been mentioned. There is also the collection of color skyline photos that has come to be expected in *Technique*. The two-page spread, by Eric G. Scharin G, of a fiery pre-dawn sky reflected in the glassy Charles River is particularly brilliant.

The book's strengths are bold and obvious. To find its weaknesses you have to look closer than most people probably ever will.



Technique 1994

TOP TEN MOST CLUELESS PEOPLE ON EARTH

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

PARTNERSHIP FOR A DRUG-FREE AMERICA
This space donated by *The Tech*

Premiere Orchestra plays first non-premiere work

TEHILLIM

The MIT Premiere Orchestra.
 Erin E. McCoy '96, Deborah J. Kreuze,
 Cheryl L. Morse, and Eileen West, sopranos.
 Valerie Benezra G. Deborah Klee,
 Felicia L. Moss '95, Regina L. Schoonover,
 Natasha Shabat, and Van N. Van '97,
 dancers.
 Composed by Steve Reich.
 Conducted by Alan E. Pierson '96.
 Vocalists coached by Pamela Ambush.
 Choreographed by Regina Schoonover.
 Kresge Auditorium.
 May 8.

By John Jacobs
 STAFF REPORTER

Steve Reich is popularly known as the most coherent and accessible of the minimalists. The minimalists feel that music should not be bound by any convention or culture, ignoring all previous musical styles which could be classified as

Western, Eastern, or ethnic. Although *Tehillim* is Reich's most traditional (i.e. chromatic, engaging, and non-repetitive) work, it still reflects the simplicity and directness of minimalism.

The music, set to the text of four Hebrew psalms, was written for four singers and an orchestra. Reich had specific goals for each instrument group: as the percussionists maintain a constant eighth note pulse, the winds play melodic lines, and the strings complete the harmony with sustained chords. Part I opens to a lively melody introduced by one of the lyric sopranos. Part II is faster and introduces a new theme. Part III is less energetic, less complicated, and the theme is presented in call-and-response form. Part IV has a similar tempo and theme as Part I, and it develops the theme using a composite of the methods of the previous parts. Part IV is therefore a recapitulation of the entire piece. The percussion sounds as it might have sounded in biblical days, with its jingle-less tambourines, hand

clapping, and rattles.

As Reich composed it, *Tehillim* has an intricate and enjoyable rhythm, but in Kresge, the six percussionists could barely be heard over the amplified string instruments. This lost rhythm was really the performance's only noteworthy shortcoming. The opportunity to demonstrate the strange appeal of polyrhythm, so deftly employed by Reich, was lost. Also, if the rhythm section had been louder, the four-part canon of Part II (notably difficult, especially given *Tehillim's* flexible meter) might not have faltered as much as it did. In any case, the singers and percussionists had completely recovered their confidence by the beginning of Part III.

Choreographed dancers accompanied the music of the MIT Premiere Orchestra. At some times, the dancers didn't match the mood or tempo, making the choreography seem irrelevant. The rest of the time, watching them dance felt much like watching MTV. The music should have been only a back-

ground to dancing that blended emotionally or thematically with the piece. At no time could the dance have been interpreted, even loosely, to say: "The heavens declare the glory of G-d / the sky tells of His handiwork" (Psalm 19).

When the dancers *didn't* detract from the piece, the precision of the performance reflected the hard work and talent of the musicians, and Reich's musical ideas were communicated clearly. Noteworthy here are Reich's indeterminate and ethnic-sounding harmonies, and the unpretentious beauty of minimalist music.

Tehillim is the first non-premiere work by the MIT Premiere Orchestra. Music and Theater Arts Lecturer Pamela Ambush, who coached the Premiere Orchestra singers, also sang high soprano as a member of Steve Reich and Musicians in the West Germany premiere and the studio recording of *Tehillim*. Steve Reich will be a composer-in-residence at MIT for two weeks sometime next semester.



Progenics
 Pharmaceuticals, Inc.

Research Scientist

POSITIONS

PROGENICS PHARMACEUTICALS, INC. is a growing biopharmaceutical company specializing in the design and discovery of therapeutics and vaccines to treat HIV infection. The research facilities are situated on a suburban campus 20 miles north of New York City. We are recruiting highly motivated individuals with B.S. or M.S. degrees for laboratory positions as research scientists and postdoctoral fellows. Working with infectious HIV is not required. Applicants must have research experience in molecular biology, protein biochemistry, immunology, or cell biology. Competitive salaries and benefits are offered.

Candidates should send a curriculum vitae to:
 Director, Human Resources
 PROGENICS PHARMACEUTICALS, INC.
 P.O. Box 549
 Tarrytown, NY 10591

SUPPORT SALMAN RUSHDIE
 T-shirts L, XL \$12.00
 No Ayatollah pictured
 on back. Mr Rushdie on
 front, with words I READ
RUSHDIE RELIGIOUSLY.
 Great keepsake of an
 important MIT event.

Don't be intimidated!
 check or money
 order to

WAKE UP IRAN
 PO BOX 61
 Medway, Ma.
 02053

**FOR 26 WAYS
 to help save the
 EARTH CALL
 1-800-488-8887.**



This space donated by *The Tech*



TECHNOLOGY STRATEGY, INC.

WANTED: Mktg. Assistant

Person familiar w/word processing, database mgmt., spreadsheets, graphics, and billing needed part-time at consulting firm for at least 9 mths. Send resume to:
 Mktg. Mgr. • Technology Strategy Inc. • One Kendall Sq., Bldg. 300 • Cambridge, MA 02139-1562
 No phone calls, please

**REACH
 FOR THE POWER.
 TEACH.**

NO OTHER ORGANIZATION FOR THE POWER. THE POWER TO WIN. UP. YOUNG PEOPLE. THE POWER TO WIN. UP. THE WORLD. TEACH. HOW. THAT POWER. SEARCH FOR IT. SEARCH FOR INFORMATION. CALL

1-800-45-TEACH.

This space donated by *The Tech*

CONGRATULATIONS!



GENERAL MOTORS IS PLEASED TO ANNOUNCE THE GRADUATION OF ITS
 GM SCHOLARS AND GM FELLOWS

GM SCHOLARS		
SUZANNE MURPHY	BACHELOR OF SCIENCE	ELECTRICAL ENGINEERING
GM FELLOWS		
WILLIAM FONTE	MASTER OF SCIENCE (2)	MANAGEMENT, MECH ENGRG
DANIEL HOMMES	MASTER OF SCIENCE (2)	MANAGEMENT, MECH ENGRG
SHAWN PATTERSON	MASTER OF SCIENCE (2)	MANAGEMENT, MECH ENGRG
KEVIN STEIN	MASTER OF SCIENCE	MANAGEMENT

MIT showcases the arts for Technology Day 1994

TECHNOLOGY DAY 1994

June 3-5.

By Ann Ames

ARTS EDITOR

Every year, as part of Alumni/ae Week, MIT hosts an event called "Technology Day" which showcases a particular aspect of the Institute. This year for the first time the focus is on the arts, and the "day" is really several days long.

Alumni/ae Week events begin on the evening of June 2, at a Boston Pops concert featuring MIT musicians. Lecturer in music and theater arts David DeVeau will be the piano soloist; the program will include a piece by Professor of Music and Theater Arts John Harbison that was originally commissioned by the Pops.

An extensive schedule of events is planned for Friday in two sessions. "The morning program demonstrates the range and depth of state-of-the-art arts research," said Administrative Assistant Elizabeth M. Connors. In contrast, "the afternoon program is more hands-on."

The morning will begin with an introduction by Associate Provost of the Arts Ellen G. Harris and opening remarks by Institute Professor Emeritus Philip Morrison. World-renowned architect I. M. Pei '40, whose pro-

jects include the Grand Louvre in Paris and MIT's Weisner Building, will take the stage next to discuss his recent work with Dean of the School of Architecture and Planning William J. Mitchell.

The program continues with a talk by Richard Polich ML '65, who will present the scientific face of art. Polich is the founder and president of a metallurgical facility for art casting. Following his presentation, the focus turns to MIT's music faculty, as Pulitzer Prize-winning Harbison and electronic innovator Professor of Media Arts and Sciences Tod Machover describe their work and its relation to their environment. They will be accompanied in their discussion by another Pulitzer recipient: UMass-Boston Professor of English Lloyd Schwartz, whose music criticisms for the *Boston Phoenix* recently earned him that prestigious award.

While the morning program comprises formal lectures, the afternoon program is more hands-on. Several smaller events will take place simultaneously. There will be a dramatic presentation in Kresge Little Theater, in which members of the theater arts faculty, under the direction of Professor of Theater Arts Alan Brody, will rehearse and discuss scenes from *Who's Afraid of Virginia Woolf?* by Edward Albee. In Bartos Theater, Media Laboratory researchers, including Head of the Media Arts and Sciences Stephen Benton '63,

will describe their work in graphic, musical, and cinematic media.

The literature department will be represented in Killian Hall by Professor of Science and Writing Alan P. Lightman, author of the bestselling *Einstein's Dreams*, Visiting Writer Pamela Alexander, and Associate Professor of Literature John Hildebidle. The three will read from and answer questions about their published works. Senior Lecture John Oliver, conductor of the Tanglewood Festival Chorus, will direct a detailed reading and discussion of J. S. Bach's *Jesu Meine Freude*, BWV 227. Members of the MIT Chamber Chorus and MIT Concert Choir will participate, and the audience is invited to join in. Finally, Mitchell and colleagues from the School of Architecture and Planning will give a presentation in the Bechtel Lecture Hall of new directions in architectural design.

Tours of MIT's architecture and art collections have been scheduled for Saturday, June 4. Among the options are a tour of the new biology building, presentations in the MIT Museum led by artists and museum curators, tours of the List Center Gallery's current exhibitions, led by List Center staff, and a tour of MIT's public art collection, led by Marjory Jacobson, former Director of Exhibitions for the Committee on the Visual Arts at MIT.

On Sunday, Professor A. R. Gurney and actress Kitty Carlisle Hart will present Gur-

ney's *Love Letters* in Lobdell Dining Room, with a reception immediately following the performance.

Technology Day was devised many years ago as a means of bringing alumni back to MIT and keeping them in touch with current research here. According to Eliza G. Dame, Program Director for Alumni Activities, the day also serves "to thank alumni for their gifts to the Institute," which are presented to President Charles M. Vest at a luncheon between Friday's morning and afternoon sessions.

The chairman of Technology Day 1994, Jorge Rodriguez '60, feels that it is "a good experience to be a part of this, because you get a good idea of what's going on here." Prior to his involvement in this endeavor, Rodriguez had not been aware of the extent of arts programs at MIT. He gives a great deal of credit to Provost Harris, "a very dynamic and creative person... providing focus for our efforts."

Though it is still perceived as an alumni-oriented activity, current members of the MIT community are also invited to attend Friday's lectures and demonstrations.

"People [here] that pursue the arts bring something special to their arts," Connors said. "It's important that people see the other side of [the arts at MIT] - not just the famous guys."

Solid standards highlight Chorallaries' new album

BETTER LATE THAN NEVER

The Chorallaries of MIT.
Erin E. McCoy '96, director.

By J. Michael Andresen

ARTS EDITOR

After several production delays, the Chorallaries' latest album has finally been released. Not only is late better than never, the disc is definitely worth the wait. The Chorallaries deliver a solid recording that is well conceived, highly musical, and even quite amusing at times.

The album was recorded and mixed by the Chorallaries during January of 1993. Because of problems with Bristol Studios and various graphics companies (and the truckers' strike), the album was delayed for over a year. Even now the liner notes are not free of typos, and the graphics seem thrown together, but these faults don't detract from the high quality of the recording and mixing, for which the Chorallaries are wholly responsible.

The format of the album is somewhat standard for a co-ed a capella group. Most of the

songs are popular offerings arranged for solo voice and accompaniment. The background vocals are the most solid part of the recording. The Chorallaries seem always to be in tune and in perfect balance with the soloist. Five members of the group did an impeccable job of mixing the album. The sound the Chorallaries generate from the recording is surprisingly robust given that they use no instrument other than the human voice.

The one major problem with the album is the quality of the solos. In an apparently large-hearted move, nearly every member of the group is given a solo. This was noble, perhaps, but the resultant solo assignments are questionable. Some of the album's soloists just don't have strong solo voices, but the greater sin was the sometimes heinous mismatches between the voice quality of the soloist and the nature of the song. In "Verdi Cries," Cathryn A. McNamara '97 delivers a solo that is full of rich vibrato that sounds almost grotesque in context. A flatter voice would have been far preferable to accompany the mellow sound of the song. Similarly, Erin

E. McCoy '96 sounds awkward singing "Fascinatin' Rhythm" with her precise classical-sounding voice. Her completely staid performance does a grave injustice to the jazzy Gershwin tune.

This is not to say that the assignments are uniformly bad. McCoy sounds much better singing "Time and Tide" later in the album, and Thomas C. Bruno '95 pays a wonderful tribute to Steve Martin with his rendition of "Dentist." Still, the Chorallaries would have been far better served had the choice of soloists been an artistic decision rather than a political one.

Ten of the 16 songs featured on the album were arranged by current members of the group. The five of these arranged by director McCoy are the most inspired. Her use of staccato voices gives a jaunty lilt to "Verdi Cries" and makes "Walking on Broken Glass" alive and exciting. Though some of the credit must go to Natalie Merchant and Annie Lennox, McCoy is able to transfer the strong anticipations and releases to her vocal arrangements.

One of the songs was both written and

arranged by a current member of the Chorallaries. "Dear, Dear," by William Lin '95, is a nice tune with a decent progression and a snappy ending. Somehow, it still seems like the longest song on the album, even though it is only the seventh.

The last song on the album is "Engineer's Drinking Song," the Chorallaries' signature piece. A couple of new verses accompany the standard tales of Lady Godiva and the engineer with his lady in the park. The Chorallaries skate gracefully through David Bass' now standard arrangement. The mixers did a wonderful job in giving the bass counterpoint at the end the emphasis it deserves. Too often the clever lyrics are lost in the melody.

A bonus track entitled "Engineer's Dance Remix" follows the drinking song. This hilarious offering features several percussive effects and a number of funk idioms that are perfectly placed. It adds to the Tom Lehrer and "Weird Al" Yankovic tunes, giving the album a healthy dose of humor. It is an appropriate ending to an album that is as fun to listen to as it seems it was to make

The
Chorallaries
of MIT

Present their newly arrived CD
Better Late Than Never

Including:

Solsbury Hill • Graceland • The Masochism Tango

Angel Eyes • Fascinating Rhythm • Africa

Dentist! • Midnight Star • Verdi Cries

The Engineers' Drinking Song

• And More! •

Only \$10

That's 80¢ per song, and it gets
cheaper every time you listen to it!

Available on campus Friday

Email to choral@mit

or mail to

Chorallaries of MIT

MIT W20-401

BOSE FOUNDATION FELLOW

The 1994 Bose Foundation Fellowship has been awarded to Brian Scassellati. This award is presented annually to the student who best demonstrates outstanding accomplishment and initiative. As recipient of the Bose Fellowship, Brian has been distinguished from a pool of highly gifted and qualified students as having achieved the highest levels of excellence in his academic and technical pursuits.

Upon graduation in 1995, Brian will be the recipient of three degrees: MS in Electrical Engineering and Computer Science, BS in Computer Science, and BS in Brain and Cognitive Science. In addition to his extensive academic program, Brian has been involved in a wide variety of research projects. Most notable is his work in educational software applications which has been presented at the University of North Carolina, to the American Chemical Society, and incorporated into the curriculum of an introductory freshman chemistry course at MIT. His work as a Co-op with IBM has earned Brian recognition from the International Society for Optical Engineering.

Brian is a National Merit Scholar and the 1993 recipient of the Cray Research Scholarship. He is a member of the Eta Kappa Nu National Electrical Engineering Honor Society and the Alpha Delta Phi Fraternity.

The Bose Foundation believes Brian best exemplifies the criteria for this Fellowship award, and is proud to have Brian as its 1994 recipient.

BOSE FOUNDATION

All meetings at 5:30 p.m. in the GSC office, room 50-220, directly above Muddy Charles pub. For more information, call x3-2195 or send email to gscadmin@mit.edu. To be placed on a mailing list to receive electronic mail notices of meetings, log into athena and type blanche -a username gsc-students or send email to

Tuesday, May 31: Activities Committee Meeting, all ideas welcome.
Wednesday, June 1: General Meeting, everyone welcome.
Wednesday, June 8: APPC Meeting, departmental GSC's discussed.
Tuesday, June 21: Orientation Committee Meeting, volunteers welcome.
Monday, June 27: HCA Committee Meeting, everyone welcome.

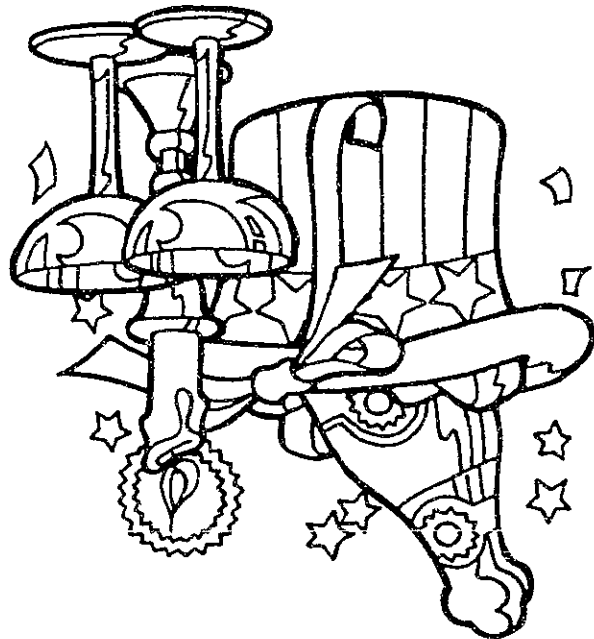
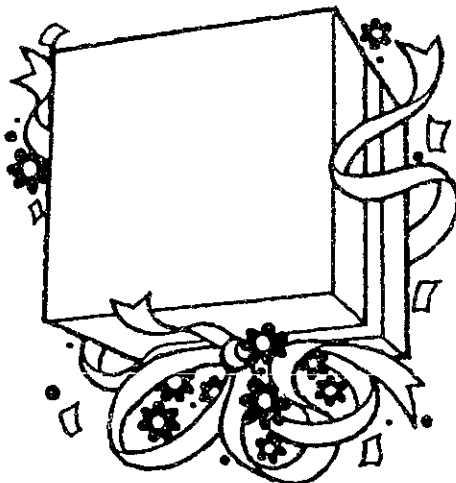
For those of us not released yet, the fun continues over the summer.....
Keep an eye out in summer issues of the Tech for these and other fine products!

Graduate Student Council

July 8-10 Montreal Jazz Festival
• Tickets: \$60, available now at the GSC office, rm. 50-220. Price includes travel and accommodation.
Aug 25, 27 Phantom of the Opera
• Tickets: \$35 in Orchestra on Thursday, Aug. 25 at 8 p.m.; \$20 in Balcony on Sunday, Aug. 27 at 2 p.m.
Waiting list forming at the GSC office!
August 7 Tanglewood Concert
• Tickets \$10, look out for sign up announcements!
For further information about GSC events, send email to gscadmin@mit.edu, or phone x3-2195.

The Graduate Student Council

Congratulations Graduates!



Theater Offensive comedian plays the nice girl

PRETTY WITTY AND GAY

The Theater Offensive.
Written and Performed by Marga Gomez.
April 14 to May 22.

By Gretchen Koot
STAFF REPORTER

At the performance of this one woman show, Marga Gomez did prove to be pretty, witty and gay, though witty doesn't describe her best. Screamingly funny is a more appropriate description. In the first few minutes of the show she brings the audience into her bedroom and into her hilarious, neurotic world. It is the night before she is scheduled to appear on a talk show about lesbians. Her nerves and then her noisy upstairs neighbors keep her awake, and she is driven to jump restlessly about the stage, talking all the while.

Gomez's comedy is refreshing for its lack

of hatred or mean-spiritedness. Her character certainly becomes angry, but she satirizes herself while doing it. When her character dreams of screaming at a man she meets while on vacation in Europe, it's clear that it isn't because he is a straight white male and therefore deserving of such anger. It's because her girlfriend is flirting with him, and she is jealous.

While Gomez never seems vengeful, neither does she hold anything too sacred to lampoon. She ridicules the military for barring open homosexuals while wondering at the same time why anyone would want to enter anyway. "Don't you have to get up early there?" she quips. She mocks the stereotypical dyke image by describing the first lesbians she saw on a talk show. She says that they chain smoked, worked as truck drivers and were "uptight, bitter, and pathetic." This probably still is pretty much the general public's image

of a lesbian, even after the work of Madonna and Sharon Stone. (Not that there is anything wrong with being an uptight, bitter, pathetic, chain smoking, truck-driving woman who loves women. It's preferable to being an icepick-wielding psycho, for example.) Religion also doesn't escape this woman's witty tongue, and although some of the jokes cover the standard subject of catholic guilt, Gomez's later conversation with God made up for the bits of stale material.

Much of Gomez's show is simply zany, such as when she pulls a notebook from under her bed saying that it is a lost diary of Anais Nin. Breathlessly, she reads an account of Nin's illicit encounter with Minnie Mouse.

As the show nears the end, Gomez shares her first meeting with a lesbian and all the feelings it provoked. She was enthralled, amazed, and infatuated. Gomez embodies the

lovestruck woman with ecstatic teenage gushing. Afterwards she bursts into song with a wonderful rendition of "I feel pretty." It is the perfect close to the show, because the song is every bit as appropriate for Gomez's onstage persona as it is for the character of Maria in *West Side Story*. Don't most people who are in love feel the same way? Isn't there a sort of universal dorkiness that settles over the infatuated heart? If there was any message in this show, and I hesitate to pin a message on something that functions so well as pure entertainment, it was that people are too goofy in too many of the same ways to waste time trying to pigeonhole them into rigidly defined stereotypes.

This show was part of a series of shows called "Spic Out" presented by The Theater Offensive. The series was billed as the world's first lesbian and gay latino and latina theater series.

Growing old and lazy in the music of Sonic Youth

EXPERIMENTAL JET SET

Sonic Youth.
Geffen Records, Inc., 1994.

By John Jacobs
STAFF REPORTER

Sonic Youth was on Late Night with Dave Letterman Tuesday night, May 17. After "Bull In the Heather," and after Letterman re-introduced the band, he said to Paul, "You know, they're definitely sonic. ... And they're quite youthful." In Dave-speak, of course, that's, "Aren't these guys too old to suck like this?"

In light of Sonic Youth's most recent release, "Experimental Jet Set, Trash, and No Star," Dave's assessment seems right. Has the band which brought us so many useful eerie sound effects, almost dramatic enough to be

called orchestral, lost its keen innovative edge? Or is the band simply displaying a shift in influences, as die-hard fans say? Has their influence shifted from Nirvana, Babes in Toyland, and Mudhoney (bands they influenced first) to Pavement and the Jon Spencer Blues Explosion?

The album starts out with a short acoustic song (both "short" and "acoustic" are unusual for SY), "Winner's Blues," in which the influence of Sebadoh is apparent. But then it picks up with the more pop-ish (defined as more melodic and likeable), "Bull In the Heather." The song is named after a race horse, but is really about a bored and lonely prostitute. In "Bull In the Heather," we hear a little of SY's signature electronic noise, which they used so deftly in "Daydream Nation" (1988). "Bull In the Heather," along

with "Skink" and "Self-Obsessed and Sexee," are the most accessible songs on the album, with their pop-ish and likeable melodies. Except for "Bull In the Heather," however, the songs just aren't good enough to command loyalty.

In "Starfield Road," we hear the first glimmer of SY's misuse of their own contribution to rock: almost-polyphonic background noise. Although the noise definitely detracts, "Starfield Road" wouldn't sound completely horrible without it, so the noise effects are bearable. At any rate, whatever is dislikeable about it is nearly forgiven in light of "Skink," a slow, noiseless but dissonant, decent song. Some other non-throwaway songs are: "Screaming Skull" (about the Germs and ex-Nirvana guitarist Pat Smear), "Quest For the Cup" (bluesy with an SY twist) and "Sweet

Shine," an almost pop-rock song sung by Kim.

Noticeably absent from *Experimental Jet Set, Trash, and No Star*, so named because of their desire to experiment with music, their intrigue with glamour, and their "trashy," scurrilous backgrounds, is SY's former reckless abandonment to rock. "Experimental" simply doesn't rock. There's no emotion to it — no suspenseful bridges, haunting effects, strange but melodic harmonies ("Teenage Riot," "Theresa's Sound"). On "Experimental," they don't sound like they're having fun, they sound like they're working. "Bull In the Heather," "Self-Obsessed and Sexee," the other good songs, and this good quote from the liner notes: "Once the music leaves your head, it's already compromised" (Jack Brewer), don't make the album worth buying.

TOP TEN SCARIEST PEOPLE ON EARTH

1. People who offer you drugs.
2. Anyone with a cranky disposition and a chainsaw.
3. Brain surgeon with hiccups.
4. Carsick brother in the seat next to you.
5. Heavily armed hot dog vendors.
6. Grown men named "Biff."
7. Megalomaniac Third World Dictators.
8. Near sighted knife juggler.
9. High-rise window cleaner with bladder problem.
10. Prune-eating Sumo wrestler.

PARTNERSHIP FOR A DRUG-FREE AMERICA
This space donated by The Tech



EVEN WITH AN AIR BAG YOU'RE NOT COMPLETELY COVERED.

Sure air bags work great in front-end collisions, but only a safety belt can protect you from side and rear-end collisions. So buckle up. And you'll cover all the angles.

YOU COULD LEARN A LOT FROM A DUMMY. BUCKLE YOUR SAFETY BELT.

For more information, call the Airbag & Child Safety Hotline: 800-424-9393



This space donated by The Tech

MAIL BOXES ETC. CONGRADULATES MIT GRADUATES

You've been here 4 or more years and accumulated a lot of stuff and the last thing you need right now is the aggravation of getting everything home.

By Popular Demand WE WILL BE BACK !!!!!

Mail Boxes Etc. will be returning to campus on Saturday May 28th in the Kresge Auditorium parking lot from 10:00 AM to 4:00 PM for:

* UPS SHIPPING & PACKAGING SUPPLIES *

Mail Boxes Etc. Is An Authorized UPS Shipping Outlet Servicing The Packaging & Shipping Needs Of MIT Students For Over 7 Years.

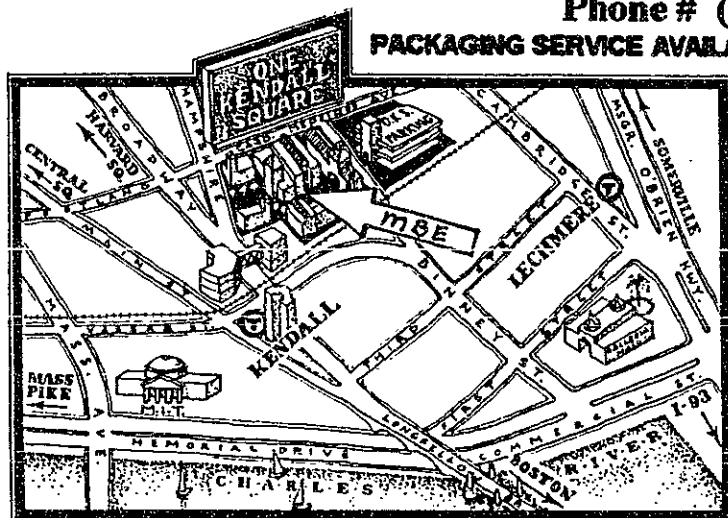
Our full service store is located at One Kendall Sq. Bldg 600 (see map)

Hours: Monday to Friday 9:00 AM to 5:30 PM

Saturday 9:30 AM to 1:00 PM

Phone # (617) 494-1500

PACKAGING SERVICE AVAILABLE AT STORE LOCATION ONLY



MAIL BOXES ETC.

We're The Biggest Because We Do It Right!

Classical Music

Longy School of Music

All events are at the Edward Pickman Concert Hall, 27 Garden St., Cambridge (except where noted). Information: 876-0956.

Longy Preparatory Department

May 28, 7:30 p.m. Free admission. Young Performers Chamber Orchestra and Junior Young Performers Orchestra will perform.

Master of Music Recital

May 31, 8 p.m. Free admission. Silvia de la Torre Gleason, piano.

Artist Diploma Recital

June 13-14, 8 p.m. Free admission. Noriko Yasuda, harpsichord (Mon); Kanako Nishikawa, piano (Tue).

June New Music at Longy

June 15-17, 8 p.m. Admission: \$7. Composers in Red Sneakers (Wed-Thu) and Music of Longy Composers (Thu-Fri).

Longy Special Event

June 18, 8 p.m. Free admission. Information: (508) 429-1946. Lisa Meri, guitars and vocals, will perform on behalf of her new CD release.

Federal Reserve Bank of Boston, Midday Performance Series

Bank Auditorium, 600 Atlantic Ave., Boston. June 2, 12:30 p.m. Free admission. Information: 973-3453. Vytas J. Baksys, piano. Program: Works by Grieg, Liszt, Friedman and others.

Acoustical Society of America Benefit Concert

Kresge Auditorium. June 6, 7 p.m. pre-concert lecture, 8 p.m. concert. Tickets: \$30 in advance available from MIT Conference Services Office (253-1703); \$35 at door. Information: Herman Medwin, (408) 624-1775. The Tokyo String Quartet will play selections using both classical instruments and contemporary instruments by craftsmen who employ scientific methods in their construction. A pre-concert lecture on Violin Acoustics will be presented by Gabriel Weinreich, professor of physics at the University of Michigan. The money raised will be used to produce a professional video-cassette for elementary school students entitled "Modern Acoustics."

Federal Reserve Bank of Boston, Midday Performance Series

Bank Auditorium, 600 Atlantic Ave., Boston. June 9, 12:30 p.m. Free admission. Information: 973-3453. June 9: The Pearson/McGinty Duo, viola/piano concert. Program: "The Romantic Sounds of Springtime," including Robert Schumann's *Fairy Tales, Op. 113*, Ernest Bloch's *Suite Hebraïque*, and Ralph Vaughan Williams' *Romance*.

Emmanuel Music Players

C. Walsh Theatre, Suffolk University, 41 Temple St., Boston. June 12, 4 p.m. Admission: call for details. Information: 536-3356. Program: *Four Quartets Op. 52*, *Liebesslieder Waltzes Op. 52*, *Folk songs, Book 4 No. 43-49*, *7 Songs Op. 95*. Jayne West, soprano; Gloria Raymond, mezzo-soprano; William Hite, tenor; Donald Wilkinson, baritone; Allen Rogers, piano; and Michael Beattie, piano.

Federal Reserve Bank of Boston, Midday Performance Series

Bank Auditorium, 600 Atlantic Ave., Boston. June 16, 12:30 p.m. Free admission. Information: 973-3453. Douglas Wright and Norman Bolter, trombone duo.

Contemporary Music

Vox-cubed

The Cube Performance Space, MIT Media Lab, Building E15. May 27 and 28, 8:30 p.m. to 1:30 a.m.; May 29, 2 p.m. to 5 p.m. Performance is continuous: come whenever you want and stay as long as you want. Free admission. Information: 253-0392. Presented by students from Tod Machover's spring term "Projects in Music & Media" class at the MIT Media Lab in collaboration with Professor Sharon Daniel's "Video Art" course. Centered around the theme of the human voice, an elaborate series of specially designed individual and group experiences will allow audience members to use both voice and physical gesture to listen, to perform, and to explore a rich sensory environment in new ways.

On The Town

A guide to the arts in Boston

May 27 - June 21

Compiled by Scott Deskin

Send submissions to ott@the-tech.mit.edu or by interdepartmental mail to "On The Town," The Tech, W20-483.

Jazz

Boston Center for the Arts

551 Tremont St., Room 406, Boston. June 4, 8 p.m. Suggested donation: \$10. Information: 426-5000. "Playground." Zusaan Kali Fasteau (vocals) and William Parker (bass) join together for an evening of musical entertainment, striving for a universal sound that incorporates the unique elements of jazz and instrumental improvisation in the mix.

Popular Music

Berklee College of Music

The Mall at Chestnut Hill, Route 9 & Hammond Parkway, Chestnut Hill. All performances, 2-4 p.m. Information: 965-3037. The Berklee College continues a month-long salute to the big bands and music masters of the 20th century. May 28: "Memories of Nat 'King' Cole," performed by the Jimmy Neil Trio. May 29: "Songs of Frank Sinatra," with Steve Marvin, vocals, and the Artie Barsamian Septet. May 30: "Music of George Gershwin." Billy Novick, saxophone; Mark Pucci, bass; Paul Schmeling, piano.

Boston Pops

All events are at Symphony Hall, 301 Massachusetts Ave., Boston. Admission: \$11-35. Information: 266-1492. This season is dedicated to Arthur Fiedler, who was conductor of the Boston Pops from 1930 to 1979.

From Opera to Broadway

May 27-28, 8 p.m. Program features Dvorak's *Violin Concerto in A minor*, the Suite from Bizet's *Carmen*, the Overture from *Gypsy*, and hits by Rodgers & Hammerstein and George and Ira Gershwin. David Alan Miller, conductor; Marylou Speaker Churchill, violin; and LeRoy Villanueva, baritone.

Old Timers' Night

May 29, 7:30 p.m. The Boston Pops Esplanade Orchestra performs; Harry Ellis Dickson, conductor. Program includes a George M. Cohan medley, Strauss's *Over the Beautiful Blue Danube*, a tribute to Leroy Anderson, and Memories' Sing-along.

A Tribute to Arthur Fiedler

May 31, 8 p.m. Program features Addinsell's *Warsaw Concerto*, the *William Tell* Overture, selections from *Girl Crazy*, and a tribute to Leroy Anderson. Harry Ellis Dickson, conductor; Virginia Eskin, piano. June 12 and 19, 7:30 p.m. Bruce Hangen, conductor.

Presidents at Pops

June 1, 8 p.m. Former "Tonight Show" Music Director Doc Severinsen will be featured in this 13th annual concert. Program will include several selections for trumpet and orchestra, including compositions by Irving Berlin, Henry Mancini, and Boston Pops Laureate Conductor John Williams.

Music From the Fabulous Forties

June 2-4, 8 p.m. Boston Pops Conductor John Williams will return in the fourth week of the season to lead the orchestra in a group of popular favorites from the heyday of jazz-popular music crossovers. Program includes selections by Cole Porter, Irving Berlin, and Count Basie.

Pops Salutes the American Masters

June 5, 7:30 p.m. The orchestra showcases the contributions of American composers including George Gershwin, Aaron Copeland, Leonard Bernstein, and John Williams. David Alan Miller, conductor.

All Creatures Great and Small

June 8-9, 8 p.m. A fond look back at the musical adventures of mischievous magpies, mythical Valkyries, and modern superheroes like Batman and Superman. Robert Bernhardt, conductor.

Patriotic Celebration

June 14, 8 p.m. In a prelude to Independence Day festivities in July, the Boston Pops will engage the audience in traditional patriotic works. Ronald Feldman, conductor.

Boston Pops Guest Conductor

June 15-17, 8 p.m. John Mauceri, Conductor of the Hollywood Bowl Orchestra, returns to the Symphony Hall podium.

Celtic Connection

June 17-18, 8 p.m. The Pops will fill Symphony Hall with joyful jigs and beautiful ballads as they play the music of Ireland. Grant Llewellyn, conductor.

Hispanic Fiesta

June 21-22, 8 p.m. The orchestra explores the scintillating music of Spain and South America. Gisele Ben-Dor, conductor.

World Music

World Music at the Roxy.

279 Tremont St., Boston. Admission: \$18.50 (first show), \$19.50 (second show). Information: 876-9240. June 5, 7:30 p.m. Zaire's living legend, Tabu Ley Rochereau and his band Orchestra Afrisa International will per-

form. Tabu Ley Rochereau is one of the great innovators of soulous, the infectious dance music that has dominated the musical scene of East and Central Africa for the last 10 years. June 15, 7:30 p.m. Nigerian musician King Sunny Ade and the African Beats will perform. His leading role in the development of "juju" music, the primary music of the West African Yoruba people and a major component of world beat music, is as integral as his commitment to combining classic juju style with electric guitars and modern rhythms.

World Music at Berklee.

Berklee Performance Center, 136 Massachusetts Ave., Boston. June 21, 8 p.m. Admission: \$22-25. Information: 876-9240. Brazilian musician Milton Nascimento, whose career has spanned more than 30 years, brings a unique sound that goes beyond conventional jazz and pop, creating a harmonious mix of African rhythms and Brazilian folk melodies, bossa nova and undercurrents of numerous disparate cultures.

Film

MIT Japan Program

77 Massachusetts Ave., Rm. 2-105. Free admission. Information: 253-0167. June 6: *Chushingura* (The Forty-Seven Ronin, by Hiroshi Inagaki, 1962), 7-10:30 p.m. A rare showing of one of Japan's most enduring and popular samurai tales: starring Toshiro Mifune.

Brattle Theater

40 Brattle St., Harvard Square, Cambridge. Admission: \$6 for all shows; \$4 for Brattle members; \$3 for seniors/children under 12. Information: 876-6837.

Premieres and Special Engagements

All showings are Fri-Sun. Each show is subject to single admission price. May 27-29: *Living Proof: HIV and the Pursuit of Happiness* (Kermit Cole [personally] introducing [the 7:45 showing], 1993); 4:20, 6, 7:45 & 9:30 p.m. June 3-5: *Looking for Fun* (Ning Ying, 1992); 4, 6, 8 & 10 p.m. June 10-12: *Midnight Cowboy* (John Schlesinger, 1969); 5:30, 7:45 & 10 p.m. *Why Did Bodhi Dharma Leave for the East?* (Bae Yong-Kyun, 1989); 3 p.m. (Sat & Sun matinees at 12:30 p.m.)

Jazz in Film Noir

All are Monday showings. May 30: *Streetcar Named Desire* (Elia Kazan, 1951); 3:05 & 7:40 p.m. *Touch of Evil* (Orson Welles, 1958); 1, 5:30 & 9:55 p.m. June 6: *Man with the Golden Arm* (Otto

Preminger, 1955); 4 & 7:50 p.m. *The Strip* (Leslie Cardos, 1951); 6:10 & 10 p.m. June 13: *Elevator to the Gallows* (Louis Malle, 1958), 4 & 7:45 p.m. *Les Liaisons Dangereuses* (Roger Vadim, 1960), 5:45 & 9:30 p.m.

The Divine John Waters

All are Tuesday showings; all films directed by John Waters. May 31: *Female Trouble* (1974); 4:15 & 8 p.m. *Desperate Living* (1977); 6:10 & 9:50 p.m. June 7: *Polyester* (1981); 4:15 & 8 p.m. *Hairspray* (1988); 6 & 9:45 p.m. June 14: *Cry Baby* (1990), preceded by *The Diane Linkletter Story* (1970); 8 & 9:50 p.m.

Double Directions

All are Wednesday showings. June 1: *Wings of Desire* (Wim Wenders, 1988); 5 & 9:50 p.m. *Faraway, So Close* (Wim Wenders, 1993); 7:20 p.m. June 8: *Drugstore Cowboy* (Gus Van Sant, 1989); 4 & 8 p.m. *My Own Private Idaho* (Gus Van Sant, 1991); 6 & 9:50 p.m. June 15: *Wittgenstein* (Derek Jarman, 1993); 8 p.m. *Edward II* (Derek Jarman, 1992); 9:30 p.m.

Cahiers du Cinema Selects

All are Thursday showings. June 2: *Bad Blood* (Mauvais Sang, by Leos Carax, 1988); 5:15, 7:30 & 9:40 p.m. June 9: *Le Grand Bleu* (Herve Le Roux, 1993); 4:45 & 8 p.m. June 16: *The Birth of Love* (La Naissance de L'Amour, by Philippe Garrel, 1993); 5:30, 7:30 & 9:30 p.m.

French Library and Cultural Center, Ciné Club

53 Marlborough St., Boston. All showings, 8 p.m. Admission: \$5, \$4 for members. Information: 266-4351. May 27-29: *Panique* (Julien Duviour, 1946). The original

French Library and Cultural Center, Ciné Club

diversion of Georges Simenon's thriller about Monsieur Hire, a recluse who is framed for a murder, starring Viviane Romance, Paul Bernard, and Michei Simon. June 3-5: *Monsieur Vincent* (Maurice Cloche, 1947). The life of St. Vincent de Paul, co-scripted by Jean Anouilh. June 10-12: *Au Delà de Grilles* (The Walls of Malapaga, René Clément, 1949). French poetic realism meets Italian neo-realism. Set in Genoa and scripted by Zavattini, the film stars Jean Gabin in the last variation on his classic role of a man on the run doomed by love and destiny. June 17-19: *Nous Sommes Tous Des Assassins* (We Are All Murderers, André Cayatte, 1952). René, accustomed to killing during the war, cannot stop and is tried for murder; with Marcel Mouloudji and Claude Laydu.

Museum of Fine Arts

465 Huntington Ave., Boston. All films screened in Remis Auditorium. Unless otherwise noted, admission is \$6.50, \$5.50 for

MFA members/students/seniors. Information: 267-9300.

Gaumont Presents: A Century of French Cinema, Conclusion

Part Six: 1950-1990, Bresson to Besson. May 27: *Police* (Maurice Pialat, 1985), 5:45 p.m. Gerard Depardieu plays a coarse, cynical Paris cop breaking up a North African drug ring. *Nikita* (La Femme Nikita, Luc Besson, 1990), 8 p.m. Anne Parillaud stars as a tough young junkie who gets transformed into a trained government assassin. May 29: *Betty Blue* (37, 2 le Matin, Jean-Jacques Beineix, 1986). Story of a torrid summertime affair between Zorg, a beach bum and aspiring novelist, and Betty, a fiercely sensual young woman who is given to sudden and extreme mood swings. Double feature admission: \$10, \$9 for MFA members/students/seniors.

10th Annual Boston Gay and Lesbian Film/Video Festival

June 1: *One Nation Under God* (Teodoro Maniaci and Francine Reznick, 1993), 6 p.m.; *Go Fish* (Rose Troche, 1993), 8 p.m. June 2: *Green on Thursdays: The Crusade Against Gay-Bashing* (Dean Bushala and Deirdre Heastip, 1993)—preceded by *Stick Figures* (short subject by Diane Bonder, 1990), 6 p.m.; *Confession of a Pretty Lady: Sandra Bernhard* (Kris Clarke, 1993)—preceded by *Chicks in White Satin* (Elaine Holliman, 1992) and *Conceição* (Robert Jabor, 1992), 8 p.m. June 8: *Alexandria Always and Forever* (Youssef Chahine, 1990), 6 p.m.; *Ludwig 1881* (Fosco and Donatello Dubini, 1993), 8 p.m. June 9: *Cancer in Two Voices* (Lucy Massie Phenix, 1993)—preceded by *No Slightly Girl* (Claire Whitaker, 1993) and *Dangerous When Wet* (Diane Bonder, 1993), 6 p.m.; "Lesbian Sexuality," a program of short films and videos, including the following: *Le Poisson d'Amour* (Paula Gauthier, 1994), *Came Out, It Rained, Went Back In Again* (Betsan Evans Morris, 1992), *I Got This Way from Kissin' Girls* (Julie Butler, 1990), *Maya* (Catharine Benedek, 1992), *Steam Rises Knowingly* (Holly Hey, 1993), *Intrepidissima* (Marta Balletto-Coll, 1992), *Parole!* (Diane Bonder, 1993), and *Carmelita Tropicana* (Ela Troyano, 1992). Admission: festival pass (includes events at Harvard Film Archive), \$100; 8 MFA screenings, \$40 general, \$32 for students/seniors/MFA members; double feature, \$10.50 general, \$9.50 for students/seniors/MFA members; single tickets, \$7 general, \$6 for students/seniors/MFA members.

New Latin American Cinema

June 3: *Adorable Lies* (Adorables Mentiras, Geraldo Chijona, 1991), 5:30 p.m.; *Dark Side of the Heart* (El Lado Oscuro del Corazón, Eliseo Subiela, 1992), 7:45 p.m. June 10: *Excess Baggage* (El Bulto, Gabriel Retes, 1991), 6 p.m.; *Love in the Time of Hysteria* (Solo Con Tu Pareja, Alfonso Cuarón, 1991), 8:15 p.m. June 17: *Knocks at My Door* (Golpes a Mi Puerta, Alejandro Saderman, 1993), 6 p.m.; *Stalinha* (Miguel Faria, Jr., 1990), 8 p.m. June 24: *Alias la Gringa* (Alberto Durant, 1991), 6 p.m.; *You Only Live Twice* (La Vida Es Una Sola, Marianne Eyde, 1992), 8 p.m.

Directors Present

June 12: *Your Own True Self* (Paul Athanas and Jay Rooney, 1993), 3 p.m. A documentary which offers a gentle, humorous look at our cultural fear of aging, shown through interviews with 12 residents of the all-male Duplex nursing home in Jamaica Plain. June 16: *Twitch and Shout* (Laurel Chiten, 1994), 6:45 p.m. An emotionally absorbing journey into the world of Tourette's Syndrome through the eyes of a photojournalist.

Premiere Engagement

June 15-30: *Talk 16* (Janis Lundman and Adrienne Mitchell, 1994). Call for time. This film follows the lives of five girls from vastly different backgrounds as they turn 16. "In the way that all great documentaries do, *Talk 16* brings its subjects into the consciousness of the viewers, reminding us of the way we all looked before our masks hardened" (Rick Groen, *The Globe and Mail*).

Theater Openings

"Lady Day"

Trinity Repertory Company, 201 Washington St., Providence, Rhode Island. May 27-June 5: Thu-Sat, 8 p.m.; Sun, 2 & 7 p.m. Admission: \$24-30; student, senior, disabled, and military discounts available. Information:



Cassiel (Otto Sander), Emit Flesti (Willem DeFoe), and Marion (Solveig Dommartin) sit at a bar in *Faraway, So Close* at the Brattle Theatre.

(401) 351-4242. An extension of the original performance of "Lady Day," featuring company member Rose Weaver as the legendary blues singer Billie Holiday. For the production, Trinity Rep's Downstairs Theatre has been transformed into an authentic reproduction of Emerson's Bar & Grill, the seedy nightspot in South Philadelphia which was the scene of one of Lady Day's last public performances.

"The Colored Museum"
Boston Center for the Arts, 539 Tremont St., Boston. May 27-June 12: Thu-Sat, 8 p.m.; Sun, 7 p.m. Admission: \$15.25-18.25. Information: 695-0659. The highly acclaimed Coyote Theatre presents George C. Wolfe's contemporary play, which is an outrageous revue of sketches that play havoc with race relations in America. The play asks how African Americans can both honor and escape their legacy of suffering and the foibles of their culture.

"Mother Never Abandons Her Kid"
The Strand Theatre, 543 Columbia Rd., Dorchester. May 29, 7 p.m. Admission: call for details. Information: 282-8000. In honor of Mother's Day in Haiti, playwright Papados (Fritz Dossous) presents this play, alternately named *Manman pa janm sevre peti*.

Four Media Theater Works
Möbius, 354 Congress St., Boston. June 2-4, 8 p.m. Admission: \$7-9. Information: 542-7416. Producer and performance artist James Williams presents four works over three evenings: "History," "The Proud General," "Away," and "The Ends of the Line." Each performance combines live action with recorded images and sets, usually in a narrative format.

"The Night Larry Kramer Kissed Me"
C. Walsh Theater, Suffolk University, 55 Temple St., Boston. June 3-July 3: Wed-Fri, 8 p.m.; Sat, 5 & 8:30 p.m.; Sun, 3 p.m. Admission: \$17-26. Information (tickets): 573-8680. David Drake's one man tour-de-force of gay life experiences, which ran for one year off-Broadway and received the Obie Award for Best Play. Eric Paepers stars, Chuck Brown directs.

View from the West Bank: Two Voices, One Soul
Institute of Contemporary Art, 955 Boylston St., Boston. June 10-11, 8 p.m. Admission: \$10, \$8 for students/seniors. Information: 266-5153. The Poets' Theatre presents two staged readings of one-act plays which illuminate the different viewpoints and degrees of suffering in the Middle East. "Strong Lager," by Stanley Richardson, is based on first-person accounts from the survivors of Auschwitz, while "Ansar," by Fateh Azzam, recounts the firsthand experiences of Palestinians who spent time in the Israeli Military Detention Center, Ansar 3.

"The Grapes of Wrath"
Open Door Theatre, Pinebank Kettlebowl, Jamaica Pond Park, on the Jamaicaaway in Jamaica Plain. June 16-July 16: Thu-Sat, 8 p.m. Admission: \$12, \$10 for students/seniors/Jamaica Plain residents. Information: 524-4007. Frank Galati's adaptation of John Steinbeck's classic novel of hardship, hope and courage kicks off the Open Door Theatre's 20th anniversary season. Kevin Fennesy, of "Psycho Beach Party" fame (from 1993), directs.

Ongoing Theater

"I Hate Hamlet"
New Repertory Theatre, 54 Lincoln St., Newton Highlands. Through May 29: Wed, 2 & 8 p.m.; Thu-Fri, 8 p.m.; Sat, 5 & 8:30 p.m.; Sun, 3 & 7:30 p.m. Admission: \$16-23; student and senior discounts available. Information: 332-1646. Paul Rudnick's Broadway comedy about an actor who must decide between a lucrative television career or the daunting challenge of portraying Shakespeare's doomed Dane. Michael Allosso directs.

"Picasso at the Lapin Agile"
Hasty Pudding Theatre, 12 Holyoke St., Cambridge. Through June 5: Tue-Sat, 8 p.m.; Sun, 7 p.m.; Sat and Sun matinees, 2 p.m. Alternating with "Hot 'n' Throbbing" through May 21, call theatre for details. Admission: \$18-36. Information: 547-8300. First full-length play by Steve Martin (*Roxanne, L.A. Story*), about a fictional meeting between the young artist Pablo Picasso and the young scientist Albert Ein-

stein, before fame consumed the former, along with other historical figures and a surprise visitor from the future.

"Judy Sings from Broadway to Hollywood"
The Charles Playhouse, 76 Warrenton St., Boston. May 31-June 5: Tue-Fri, 8 p.m.; Sat, 6 & 9 p.m.; Sun, 6 p.m. Admission: \$25-35. Information: 426-6912. Jim Bailey, internationally-acclaimed singer-character-actor-illusionist, performs as Judy Garland in a performance that does not qualify as a gaudy camp display, but, according to L.A. Times Critic Lawrence Christon, "takes him beyond the drag queen genre and into one of the central enigmas of our time—the question of what constitutes our sexual identity."

"Barbara Streisand: Live In Concert"
The Charles Playhouse, 76 Warrenton St., Boston. June 7-12: Tue-Fri, 8 p.m.; Sat, 6 & 9 p.m.; Sun, 6 p.m. Admission: \$25-35. Information: 426-6912. Jim Bailey (see above listing in "Judy Garland" performance) now performs as Barbra Streisand, along with Streisand's repertoire, including "Send in the Clowns," "People," "The Way We Were," and "Somewhere."

"Shlemiel the First"
Loeb Drama Center, 64 Brattle St., Cambridge. Through June 12: Tue-Fri, 8 p.m.; Wed (5/25 & 6/8), 2 p.m.; Sat, 2 & 8 p.m.; Sun, 2 & 7 p.m. Admission: \$18-42. Information: 547-8300. An adaptation of the charming folk tales of Nobel Prize-winning author Isaac Bashevis Singer with a rousing, authentic score played by the Boston based Klezmer Conservatory Band, achieving a lively mix of music and theatre.

Comedy

U.S. Improvisational Theatre League.
The Boston Baked Theatre, 255 Elm St., Somerville. June 1 & 8, 8 p.m. Admission: \$10; group rates available. Information: 864-1344. Competitive improvisational theatre in which two teams of performers try to out-act each other with scenes created on-the-spot over three periods (like a hockey game). The audience decides the outcome. Directed by Nadette Stasa.

Lectures

Bunting Institute
34 Concord Ave., Cambridge. June 8, 4 p.m. Information: 495-8212. "Jury Nullification and the Eclipse of Popular Justice," by Elizabeth Bussiere.

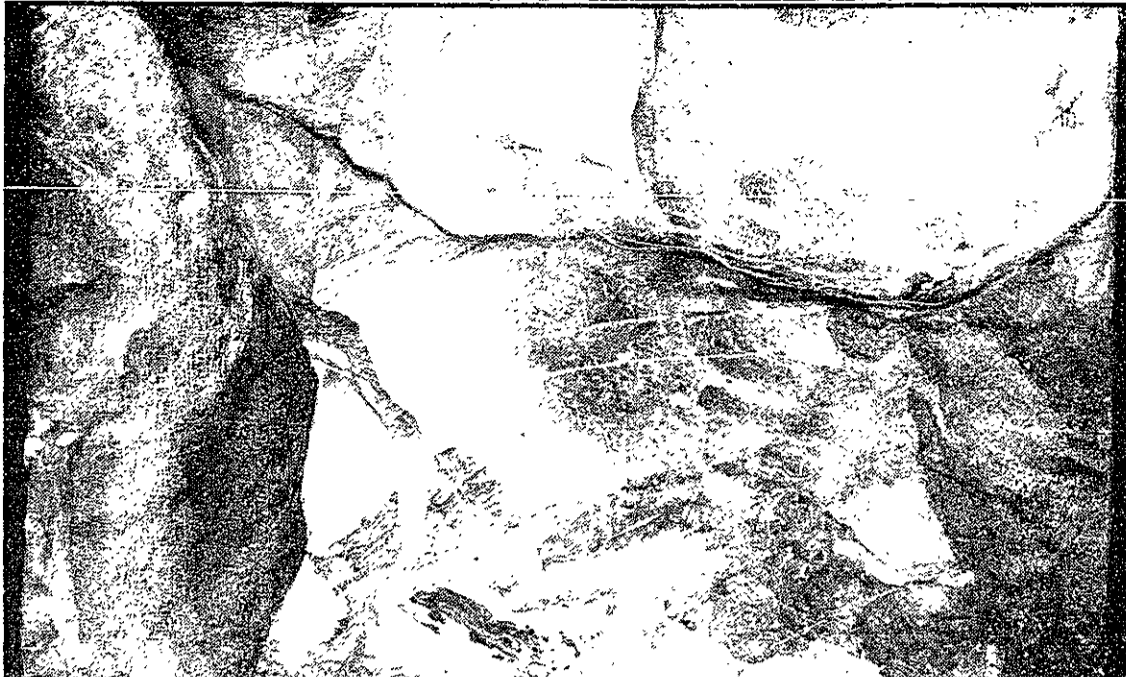
Radcliffe College.
Schlesinger Library, 10 Garden St., Cambridge. June 17-21. Information: 495-8647. "Women, Information, and the Future: Collecting and Sharing Resources Worldwide." A series of talks; call for exact times.

Exhibits

MIT Libraries
Rotch Library, Rm. 7-238. On display through June 3. The Libraries' Staff Programs Committee and the Rotch Library Exhibits Group announce the opening of an exhibit which will showcase artworks created by library staff members, including paintings, photography, sculpture, and mixed media by 14 different artists.

MIT Museum
265 Massachusetts Ave. Tues-Fri, 9-5; Sat-Sun, 1-5. Free to members of the MIT community, seniors, and children under 12. For all others there is a requested donation of \$2. Information: 253-4444

"Holography: Artists and Inventors." The Museum of Holography Moves to MIT.
"Crazy After Calculus: Humor at MIT." The history of MIT "hacks."
"Doc Edgerton: Stopping Time." Photographs, instruments and memorabilia documenting the invention and use of the strobe light by the late Harold E. Edgerton ScD '27.
"Light Sculptures by Bill Parker '74." Vivid interactive light sculptures, each with its own personality and set of moods.
"Math in 3D: Geometric Sculptures by Morton G. Bradley Jr." Colorful revolving sculptures based on mathematical formulae.
"MathSpace." Hands-on exploration of geometry is the theme as



Primal Regions by Linda Klein opening at the Bromfield Gallery.

visitors tinker with math playthings. Ongoing.
"The Center for Advanced Visual Studies: 25 Years." Curated by Otto Piene, Professor Emeritus and past director of the CAVS, the installation will showcase the work of 25 former fellows. Videos, a catalogue, and a CD-ROM presentation will incorporate works by all the former fellows of CAVS. Through Oct. 2.

Compton Gallery
From June 4-Oct. 2. Information: 253-4444. "Charles H. Woodbury, Class of 1886: Artist." Exhibition of the paintings of one of the premiere American impressionists, who was also an MIT mechanical engineering graduate.

Strobe Alley
Ongoing. Information: 253-4444. "Optical Alchemy." Full-color fluorescent photographs of corals and anemones by Charles H. Mazel SM '76, a research engineer in the Department of Ocean Engineering, taken at night during underwater dives. Matched pairs of images offer a comparison between the subject under "normal" reflected-light photography and under illumination with ultraviolet light.

Hart Nautical Gallery
55 Massachusetts Ave. Ongoing. "Course 13, 1893-1993: From Naval Architecture to Ocean Engineering." Exhibition includes historic photos, models, and computer graphics, and highlights a sampling of current research including that performed by the department for Bill Koch's '62 successful America's Cup campaign with *America*².
"Permanent Exhibition of Ship Models." Models which illustrate the evolution of ship design from the 16th century through the 20th century.

List Visual Arts Center
20 Ames St. Both exhibits run through June 26 (Tue, Thu, Fri, noon-6 p.m.; Wed, noon-8 p.m.; Sat-Sun, 1-5 p.m.).
Pieter Laurens Mol, Dutch artist's exhibition which uses elusive images combined with symbolic alchemical materials to address the moral and aesthetic traditions of the modern age. Traveling exhibition sponsored by the Ministry of Culture of the Netherlands.
Sandy Walker: Woodblock Prints. A group of large, dramatic woodblock prints that hover between abstraction and representation, recalling the bold gestures of Jackson Pollock and the influences of oriental art.

Sloan School Dean's Gallery
50 Memorial Dr. Hours: 8 a.m.-5 p.m. Information: Michele Fiorenza, 253-9455. June 8-23. "Watercolors by Martina Willer-Schrader." Works by the wife of Sloan School Assistant Professor Stephan Schrader.

Bromfield Gallery
107 South St., Boston. Hours: Fri, noon-5 p.m.; Sat, 11 a.m.-5 p.m. Information: 251-3605. Through May 28: "New Tapestries," by Erica Licea-Kane; "Fair Fish and Fowl," by David Omar White; and "Places," paintings and drawings by Cathy Osman. May 31-June 30 (Reception held June 4, 4-6 p.m.): "Recent Adventures," paintings by Karen Chiacchia; "Primal Regions," abstract paintings by Linda Klein; and "Painted Sculptures," by Pat McNabb.

The French Library and Cultural Center
53 Marlborough St., Boston. Through May 31 (Reception May 3, 5:30-7:30 p.m.); Tue, noon-8 p.m.; Wed-Thu, 10 a.m.-8 p.m.; Fri-Sat, 10 a.m.-5 p.m. Free admission. Information: 266-4351. "Urban Landscapes from Paris and Angers." An exhibition of photographs by Matthew Footer.

The Newton Free Library
330 Homer St., Newton. June 2-29: Mon-Thu, 10 a.m.-9 p.m.; Fri, 10 a.m.-6 p.m.; Sat, 9 a.m.-5 p.m.; Sun, 1-4 p.m. Reception held Mon, June 6 at 7:30 p.m. "City Neighborhoods." Lainie Ingerman; oils and watercolors.

The Computer Museum
300 Congress St., Boston. Through June 30, 2-5 p.m. daily. Admission: (museum) \$7, \$5 for students/seniors, free for member and children four and under; (helmet exhibit) additional \$3. Information: 423-6758 or 426-2800 x310.
"Virtual Adventure: Explore a Human Cell" Explore the microscopic world of cell biology using virtual reality technology. Donning a helmet, visitors will be transported to different parts of the human body using a hand device and experiencing cell processes via animation and sound effects. Other virtual reality exhibits, including video games and prototypes, will be shown.

John Fitzgerald Kennedy Library
Columbia Point, Boston. June 6-Sept. 5, 9 a.m.-5 p.m. (general museum hours). Museum admission: call for details. Information: 929-4500. "World War II: Personal Accounts—Pearl Harbor to V-J Day." This exhibit opens on the 50th anniversary of the Allied landing on the beaches of Normandy, and devotes itself to commemorating history's most devastating global war. The exhibit features hundreds of dramatic letters, diaries, photographs, and objects from participants who witnessed the war's heroics and horrors. Sponsored by the National Archives and Records Administration, and organized by the Lyndon B. Johnson Library.

Museum of Fine Arts
465 Huntington Ave., Boston. "Early Twentieth-Century Prints: Picasso to Johns." Exhibition which traces the course of printmaking in the first half of the twentieth century, from Picasso's first etching in 1904 to one of Jasper Johns' first lithographs of 1960. Prints by other artists will illustrate the diversity and vitality of expression in printmaking during early modernism. Through June 19.

"Painting the Maya Universe: Royal Ceramics of the Classic Period." Pre-Columbian painted masterpieces on pottery will be featured in this exhibition. Little-known 7th-9th century A.D. paintings that embody the highest aesthetic achievements of the Maya will be displayed. Through June 26.

"Silks for the Sultans." This exhibition features velvets and brocades made during the Turkish Ottoman period. The textiles, some of the most sumptuous ever produced, were made by the court weavers in the Ottoman capitals of Bursa and Constantinople, cities of European/Asian confluence. These works are part of the Museum's renowned permanent collection of textiles and costumes. Through Sept. 4.

"An Oriental Odyssey: Carpets from the Permanent Collection." Currently on view in the Tapestry Gallery. Through Oct. 2.

Isabella Stewart Gardner Museum
280 The Fenway, Boston. Open Tue-Sun, 11 a.m.-5 p.m. Admission: \$6, \$5 for students/seniors, \$3 youths (ages 12-17), free for members and children under 12; Wed, \$3 for students with current ID. Information: 566-1401.
Special Exhibition. Isabella Stewart Gardner: The Woman and the Myth will re-examine the life and times of this 19th-century figure via paintings, vintage photographs, letters, and diaries. Through Aug. 14.
The museum, itself an example of 15th-century Venetian palaces, houses more than two thousand

arts objects, including works by Rembrandt, Botticelli, Raphael, Titian, and Matisse. Ongoing.

Museum of Our National Heritage
33 Marrett Rd., Lexington. Admission and parking for the Museum of Our National Heritage is free. Hours: Mon-Sat, 10 a.m.-5 p.m.; Sun, noon-5 p.m. Information: 861-6559.
"Patchwork Souvenirs: Quilts from the 1933 Chicago World's Fair." A selection of one-of-a-kind historic quilts recreates an important chapter in the history of American quilting. More than half of the thirty quilts featured are commemorative quilts incorporating themes from the Fair. In addition, award-winning traditionally patterned quilts are displayed, along with photographs and artifacts documenting the 1933 World's Fair. Through July 17.

"Deer Camp: Last Light in the Northeast Kingdom." Sixty richly detailed photographs by documentary photographer John Miller record the traditions and lore related to deer hunting and deer season in Vermont's fabled Northeast Kingdom. Accompanying narratives and oral histories reveal the richness of the hunting culture and its place in rural life. Through August 14.

"From Sea to Shining." For three years, renowned Magnum photographer Hiroji Kubota traveled throughout the United States documenting this country's landscape and her people. Approximately eighty photographs will be on view in this exhibition organized by the International Center of Photography. Through Sept. 25.

"Shaken Not Stirred: Cocktails Shakers and Design." A variety of cocktail shakers from 1920 to 1960 are presented from the private collection of Stephen Visakay. Approximately 100 cocktail shakers will illustrate aspects of industrial design in 20th-century American decorative arts. Through October 30.

"The Flag in American Indian Art." This exhibition celebrates the creativity, sense of design, and highly-skilled craftsmanship of American Indian cultures. The 125 objects date from 1880 to the 1920s, represent Indian tribes from across the country, and use the American flag as a decorative element. The exhibition is drawn from the collection of the New York State Historical Association. June 19-Feb. 5, 1995.

"Let It Begin Here: Lexington and the Revolution." Explore the causes and the consequences of the American War for Independence as seen through the eyes of typical New England men and women. The exhibit begins with an introductory audiovisual presentation about the events on Lexington Green. Ongoing.

Events

Technology Day at MIT
Kresge Auditorium. Main events occur on Friday, June 3, and are open to the MIT community only. Information: 253-4006. As part of a weekend-long celebration, titled *For the Wonder of It All: The Arts at MIT*, this annual series of events will feature discussions, demonstrations, performances, and gallery tours which highlight the latest accomplishments of MIT students and faculty in music and theater, visual arts and architecture, creative writing, photography, and the emerging media of interactive video, holography, and hyperinstruments. The celebration actually kicks off on Thursday, June 2, at a Boston Pops Orchestra performance—with John Williams conducting—which will feature MIT Lecturer in music David DeVeau as a piano soloist and a noted MIT Professor John Harbison's work, "Remembering Gatsby, A Fox Trot for Orchestra."

As a special closing event, playwright and MIT Professor A. R. Gurney and actress Kitty Carlisle Hart (a member of MIT's Council for the Arts) will perform Gurney's Broadway hit, *Love Letters*.

Midsummer Revels: "An English Country Fair"
Codman Estate, Lincoln. June 19, 1 & 4 p.m. Tickets: \$14 adults; \$12 children and seniors. Information: 621-0505. The Cambridge Revels present a show that recreates the atmosphere of an English Country Fair, with Maypole Dancing, Songs and Dances of the British Isles, and more.

Announcements

WMBR Radio Listings
88.1 FM. May 1994 (Saturdays, 2-4 p.m.). Information: 253-8810, or available online via "telnet techinfo.mit.edu" or "gopher techinfo.mit.edu" and selecting Option 10. "French Kisses," a weekly bilingual program featuring French-language songs as well as interviews and reports on Francophile culture. Regular features include: *The Calendar*, a report on all the concerts, films, exhibits and other Boston-area events (2:30 p.m.); *Parler au quotidien*, Radio France's educational program to improve your French (2:55 p.m.); *The live Paris report*, by Laurent Vallière, with the latest from the French capital (3:15 p.m.); plus new and old French music and assorted contests. Special event—May 28: Alexis Biolley brings singer Jacques Brel back from the grave for an exclusive interview. "Pipeline," a weekly program featuring live rock performances by some of Boston's hottest cutting-edge talents—May 31: The group Modern Farmer performs live from the WMBR studios.

Work in Britain
The *Work in Britain* program's unique *Blue Card* permits U.S. students to work throughout the U.K. in any type of job, for up to six months at any time of the year. Otherwise, it is very difficult to obtain a British work permit. Government permission is needed for all jobs, paid or unpaid. This 28-year-old program is administered by the British Universities North America Club (BUNAC) and the Council on International Educational Exchange (CIEE). For an application or further details, contact: CIEE, 205 E. 42nd St., New York, NY 10017 [Telephone: (212) 661-1414]; or BUNAC (USA), P.O. Box 49, South Britain, CT 06487 [Telephone: (203) 264-0901].

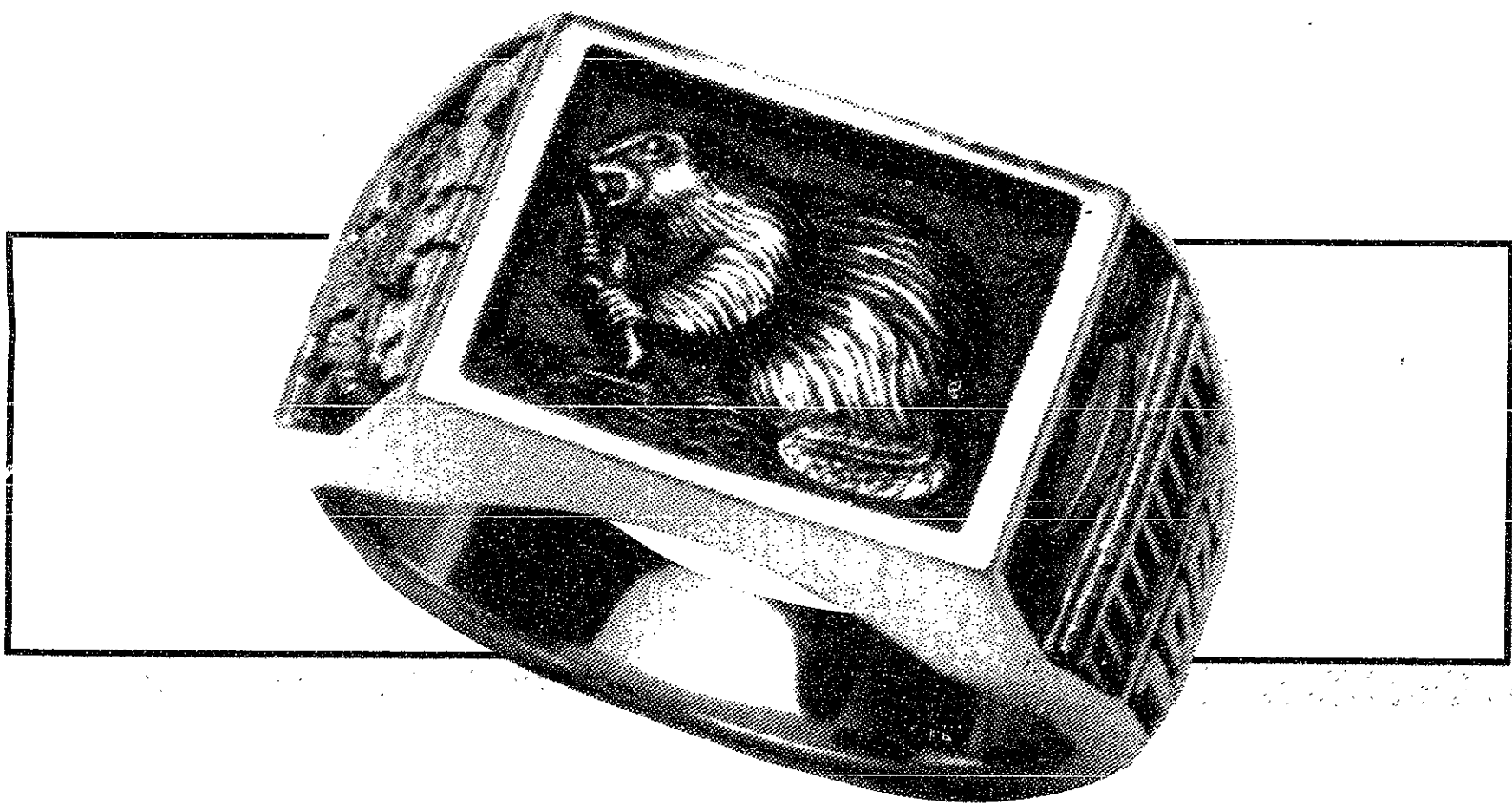
International Volunteer Opportunities
The Council on International Educational Exchange (CIEE) has begun recruitment for its international workcamp program which brings together teams of volunteers from different countries to help local communities for a period of two to four weeks. Designed to promote international cooperation and understanding, over 600 projects will take place in 22 countries throughout Europe, Africa, Asia, and North America. For a free International Workcamps brochure, write to: CIEE, International Voluntary Service Department, 205 East 42nd St., New York, NY 10017-5706; or call (212) 661-1414, ext. 1139.

Global Volunteers
Global Volunteers, a private non-profit organization, is actively seeking student groups and individuals to work for one to three weeks at project sites in Russia, Poland, Tanzania, Indonesia, Jamaica, Guatemala, Mexico, Costa Rica, and in rural communities in the United States. For a free schedule and group information, please contact Michele Grant at Global Volunteers: 1-800-487-1074 or 375 E. Little Canada Road, St. Paul, MN 55117.

UO-INNSBRUCK International Summer School
The University of New Orleans will sponsor its 18th annual international summer school in Innsbruck, Austria during the summer of 1994. Over 250 students as well as some 30 faculty/staff members will experience life and learning in the magnificent setting of the towering Tirolean Alps in the "Heart of Central Europe." Participants can earn up to 10 semester hours of credit, with courses focused on the cultural, historical, socio-political, and economic issues of U.S./European relations and address the theme "Democracy in Europe: Problems and Prospects." For more information, contact Dr. Margaret Davidson at (504) 286-7116, or write to: UO-INNSBRUCK-1994, International Study Programs, Box 1315, University of New Orleans, New Orleans, LA 80148.

Congratulations Class of 1994

JOSTENS
AMERICA'S COLLEGE RING™



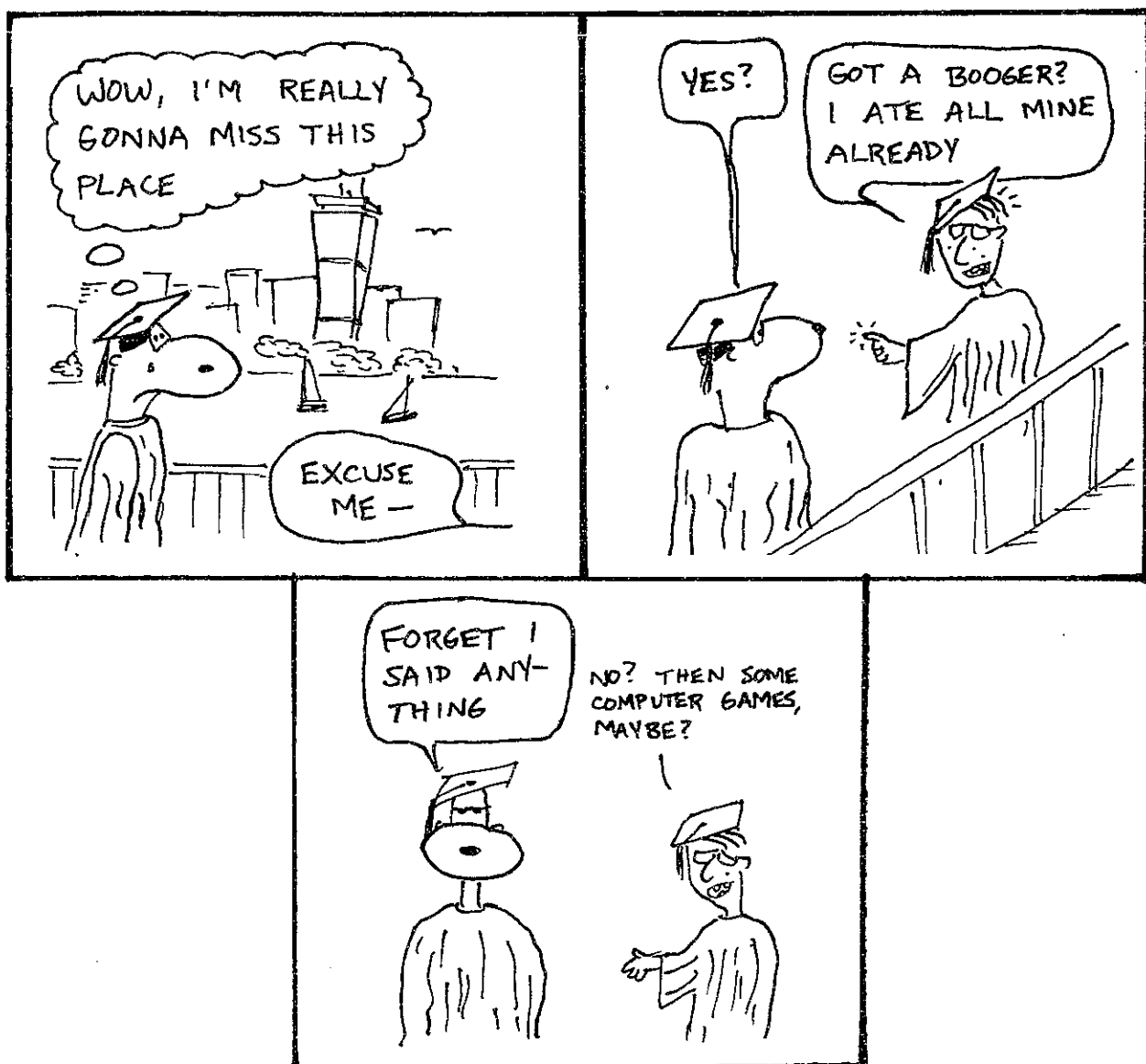
M.I.T. Rings on Sale Today.

May 27th 12:00-5:00 PM
Kendall Coop Stationery Dept.



The Coop at Kendall Square
3 Cambridge Center
Mon-Fri 8:45-7:00
Thur Til' 8:30
Sat 9:15-6:00

Firehose Tavern By Mark P. Hurst



- **Still searching for that perfect job?**
Consider TEK Microsystems. We're a small engineering firm enjoying steady growth designing and building high-performance "black-box" instrumentation and control systems for Government clients.
- **Hardware Design Engineer**
Want involvement with all phases of electronics hardware development, including prototyping, testing, PLD/FPGA design, and simulation? At TEK, all design engineers have complete responsibility for their projects and a high degree of customer visibility.
- **Software Engineer**
How about designing, implementing and testing high-performance real-time software systems using multitasking/multiprocessor architectures? We have several projects using C, 680x0 microprocessors, and embedded control software - we're looking for software engineers who can work as a part of the project team with complete responsibility for the software effort.
- TEK's interdisciplinary approach to engineering offers you the opportunity to contribute to all aspects of the design process and get experience in a wide variety of real-world engineering disciplines. At TEK, you'll work on real projects with real responsibility starting your first day - and you will get exposed to different application areas as you support clients' projects.
TEK Microsystems provides a non-smoking environment and comprehensive benefits with a small-company workstyle. Applicants selected will be subject to a security investigation and must meet eligibility requirements for access to classified information. Please send your resume or contact Andrew Reddig, TEK Microsystems, One North Avenue, Burlington, MA 01803, (617) 270-0808, FAX (617) 270-0813. Email andrewr@netcom.com

TEK Microsystems

PUZZLE SOLUTIONS



PUZZLE, PAGE 26

TO THE MIT COMMUNITY

We would like to express our gratitude for the

William L. Stewart award

presented to Club Latino in recognition of our service to the MIT community

during the last four years

in which we grew from a self-centered group to an all-encompassing one.

We hope that your interest in the events we have presented to you with enthusiastic effort

in our "spare time" will continue to make them successful.

TO OUR GRADUATING MEMBERS

Congratulations for your excellent work on the only subject for which you never got any

credit, though we hope we shared some good times and found little bit of friendship.

Your hard work and involvement in all of the club activities

are the ones what made our success reality.

To Feniosky Peña-Mora

Thank you for helping in making this possible through your involvement and dedication

Club Latino @ eMaITí

Club Latino Executive Committee

Minerva García Alan Coronado

Joaquín Lacalle-Melero Luis Rodriguez

We need someone with the confidence of a surgeon, the dedication of a marathoner and the courage of an explorer.

We need a Peace Corps volunteer. Interested? The first step is easy. Call 1-800-424-8580, Ext. 93.

PeaceCorps.
The toughest job you'll ever love.

TECHNIQUE

The MIT Yearbook

Things at MIT never stand still. In the international capital of technology, students walk the same hallways where pioneering scientists and academicians tread. Among the columns stand the world's best and brightest.

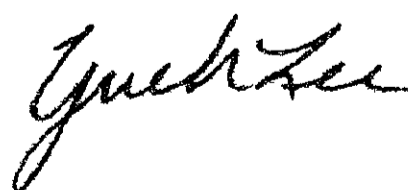
MIT's award winning yearbook, *Technique*, commemorates the events of the year. The book reveals the spirit, the joys, the frustrations, and the torments of the MIT experience. Starting with the chaos and confusion of R/O Week and ending with the celebration and satisfaction of graduation, *Technique* captures it all — from the sweet taste of victory to the bitter sting of defeat.

With a provocative combination of tradition and experiment, *Technique* 1995 will feature photojournalistic chronicles of MIT activities, sports, living groups, and portraits of the graduating class. Photographic and literary essays will round out the book. In short, *Technique* presents a spirited and penetrating look at the past year at MIT.

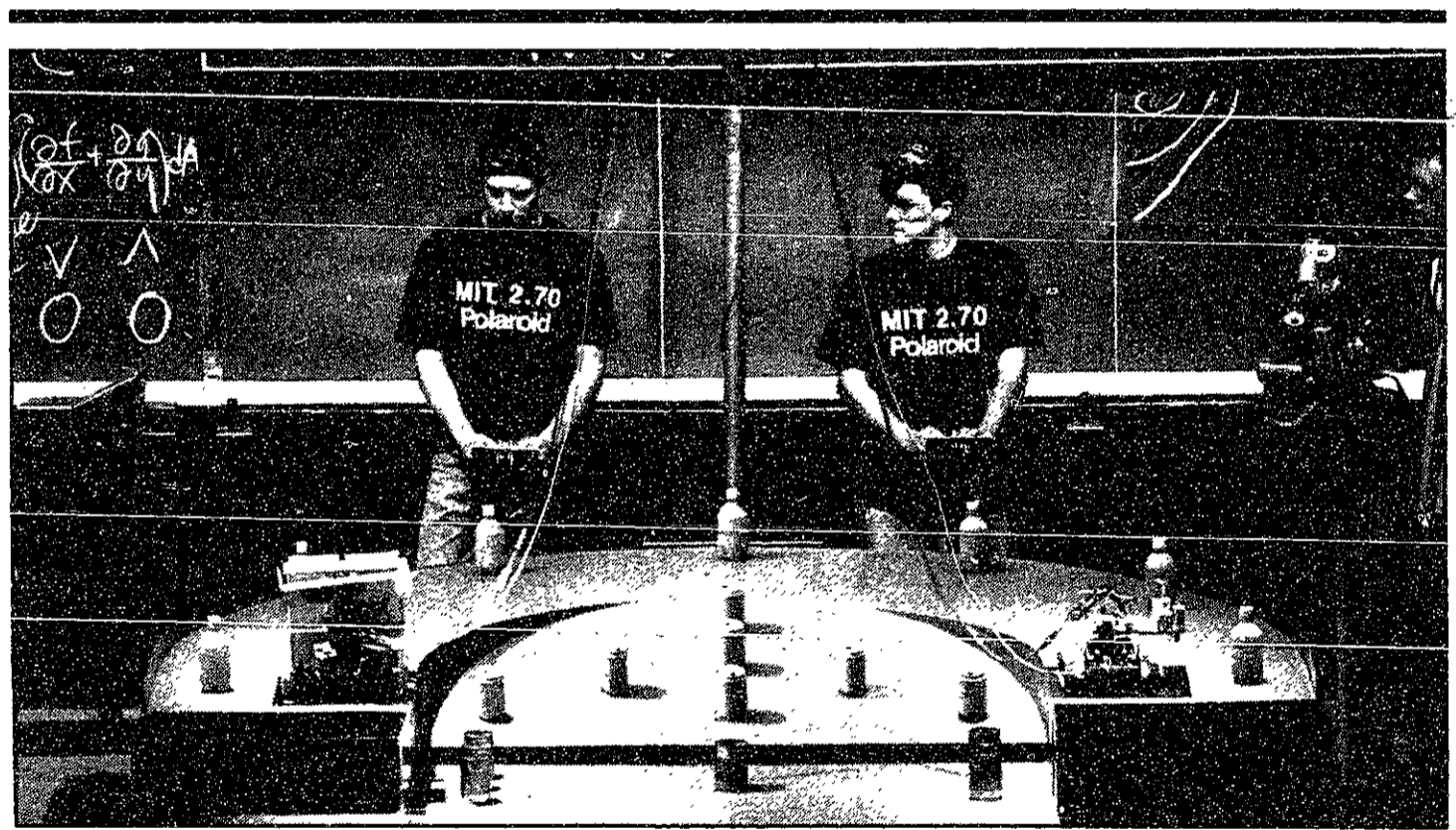
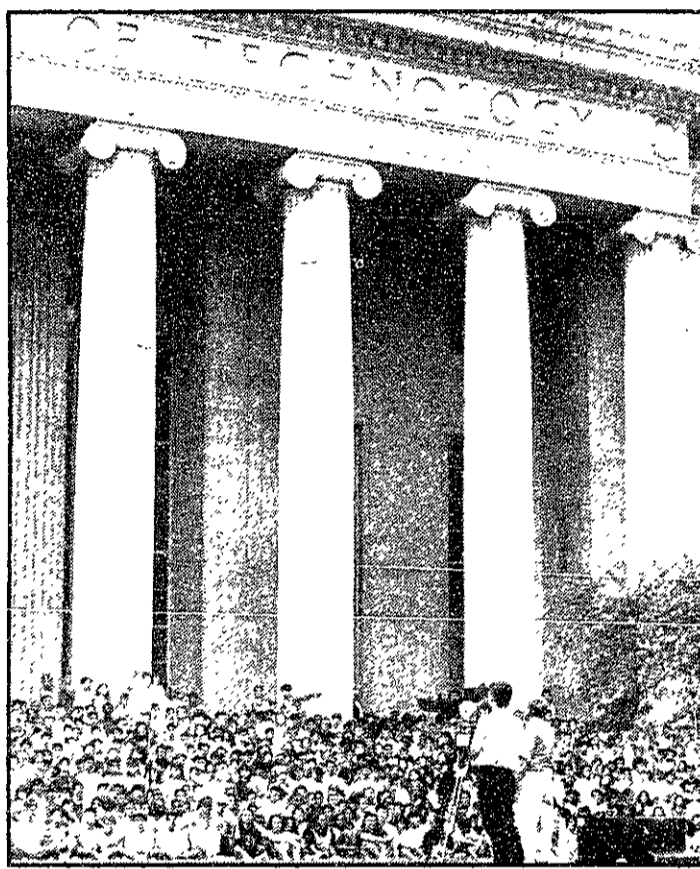
Technique is a wholly student-run publication which receives no funding from the Institute. To keep the tradition of high quality and service to the MIT community alive, *Technique* needs your patronage. We hope you will consider becoming a patron of *Technique* 1995. Patrons receive their own volume, and their names will also be recognized in a special section of the book.

I hope we can show you a year of MIT in *Technique* 1995.

Thank you.



Yueh Z. Lee
Editor-in-Chief
Technique 1995



Cut this coupon out and return by August 15, 1994 to:
TECHNIQUE, PO Box 397005 - MIT Branch, Cambridge, MA 02139

Name to appear in *Technique*: _____

Name and Address
to send book to: _____

Please make
check payable
to **TECHNIQUE**

- Please send me a copy of the book. Enclosed is my check for \$50.
- I would like to help support *TECHNIQUE* '95. Please enter my name as a Silver Patron. Enclosed is my check for \$100.
- Please enter my name as a Gold Patron. Enclosed is my check for \$200.

All patrons will receive a copy of the book in May. Thank you for your generosity

Athletic Awards Given Out as Season Comes to End

Awards, from Page 28

MITAA during her career.

The Admiral Edward L. Cochrane Award went to hockey player Nicholas J. Pearce '94. The Cochrane Award is given to the senior male who has shown the highest qualities of humility, inspiration, and leadership in intercollegiate athletics. Pearce is a two-time team most valuable player has been an officer of the Varsity Club and the MITAA. He was twice elected team captain by his teammates.

Two record-breaking athletes won Varsity Club Awards, given to outstanding freshmen. Sheila C. Rocchio '97 and Jose L. DeLeon '97 starred in gymnastics and football respectively. Rocchio set Institute records in both the floor exercise (9.45/10.0) and balance beam (9.3/10.0). She earned All-America honors by finishing fifth in Division III nationally in the all-around and sixth on the uneven bars. Rocchio was a team co-most valuable player, and was the Eastern College Athletic Conference Division III Champion on the balance beam.

DeLeon earned first team Eastern Collegiate Football Conference honors at running back, and he was a second team All-New England selection. He rushed for an MIT record of 987 yards and was named the Eastern College Athletic Conference Division III New England Rookie of the Week four times during the season. DeLeon is only the second MIT player to win the coveted New England Football Writers Gold Helmet Award given to the college division player of the week.

Three students won Athletic Department Gold Awards this academic year. Jesse L. Darley '95 and Craig A. Andera '94 won the awards for their leadership and contributions to the intramural sports program. Andera was also the win-

ner of the annual Harold Pettegrove Award, given to the student contributing most to intramural athletics at MIT. Dionne E. Chapman '94, a four-year soccer and softball player, won the third Award. She is a first team Academic All-district selection in softball and her name is currently on the national Academic All-America ballot.

The Straight "T" is the Institute's highest athletic award. Criteria for this award vary by individual sport; this year, 11 athletes earned the Straight "T." They are: Kamilah Alexander '96, volleyball; Carla-Anastasia M. Chiarenza '97, gymnastics; Irfan U. Chaudhary G, squash; Jesse L. Darley '95, cross country; Jay A. Muelhoefer '94, tennis; Javier A. Nazario '95, water polo; Calvin G. Newman '96, football; Matthew H. Robinson '94, indoor track and field; Sheila C. Rocchio '97, gymnastics; Nicholas

L. Tsai '94, tennis; and John L. Wallberg '96, indoor track and field.

Baseball

In the Constitution Athletic Conference, two MIT baseball players were named to All-Conference slots. Senior centerfielder Jeff Olson, who hit .469 in Conference play, was a first team selection and was named the Conference's Baseball Scholar Athlete of the Year. He has also been nominated by the Institute to the GTE College Sports Information Directors of America Academic All-America Team.

A second team All-CAC selection is junior pitcher Rob Lepard., who had a 1-3 record in league play, but an earned run average of only 1.80.

Golf

During a match against Phillips

Exeter Academy on May 6, C. Hoyt Bleakley '95 of the MIT JV golf team sank a 235-yard hole-in-one on the 16th hole at the Wentworth-by-the-Sea golf course in Rye, NH. MIT won the match, finishing the season with a 2-2 record.

Gymnastics

MIT men's gymnastics coach Fran Molesso has been named the Eastern College Athletic Conference Coach of the Year for the recently completed season. Molesso, who completed his 12th season at MIT, is the first winner of the new award.

Lacrosse

Two MIT lacrosse players were named to the East squad for the New England East - West Senior All-Star game. Attackman Tom Nowak G and midfielder Ryan Blanchette '94 played in the 16-11

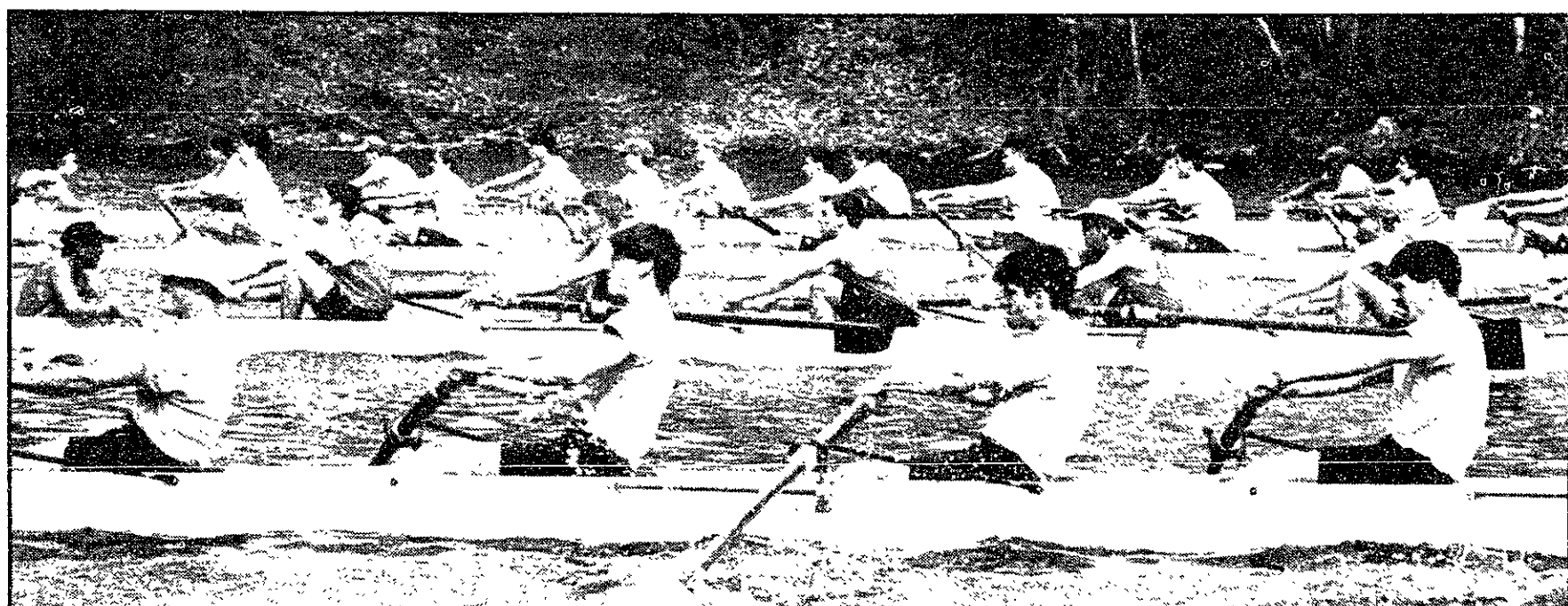
West win in the game which was held at MIT.

Softball

The end of the spring season has brought the naming of all-star teams from the conferences in which MIT participates. In the New England Women's 8 (NEW 8), pitcher Coleen Kaiser '94 was named to the softball team. Kaiser pitched every game of MIT's 18-game schedule and finished the year with a 12-6 record while leading the team in hitting with a batting average of hitting over .450.

Track and Field

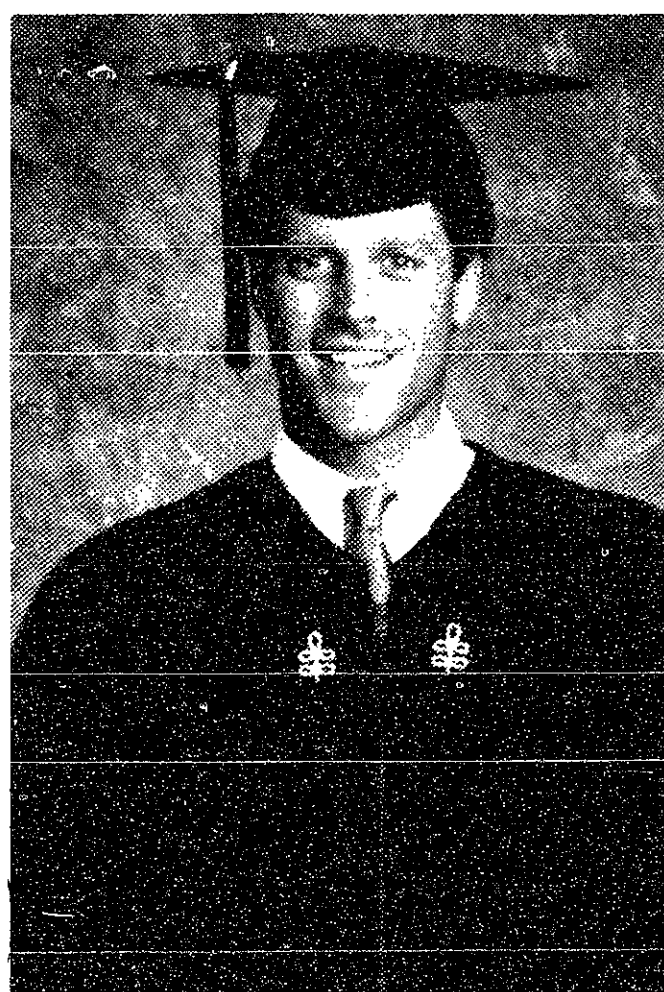
MIT track man Ethan Crain '95 recently took a third place in the 1,500-meter run in the All-New England Track meet held at Dartmouth College. Crain, who covered the course in 3:56.68, was the only Engineer to score in the meet.



JONATHAN LI—THE TECH

In the foreground, the MIT Varsity Lightweights compete at the Easter Sprints in Worcester, MA. Behind MIT are teams from the University of Pennsylvania, Rutgers University, and Columbia University.

ANNOUNCING
50% SAVINGS
 on
100% PREMIUM
 Quality
 Developing



Now Save 50% on Premium-Quality
 Developing and Printing from
KODALUX Processing Services.

KODALUX Processing Coupon

50% OFF

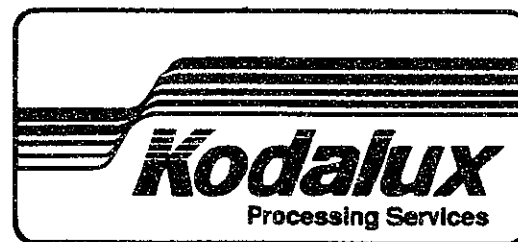
Offer good for 50% Off develop and print processing of one roll of color print film. One roll per coupon.

Original coupon must accompany order. Not valid with panoramic, PROfile or 1/2 frame 135 film. Cannot be combined with another offer or used with KODALUX Processing Mailers. Use KODALUX order envelope only. Not valid on Colorwatch orders.



KODALUX. TM licensed by Kodak.

Offer Expires 6/18/94 Qualex Inc.



The Coop at Kendall Square
 3 Cambridge Center
 Mon-Fri 8:45-7:00
 Thur Til' 8:30
 Sat 9:15-6:00

CLASSIFIEDS

- Events**
- Housing**
- Travel**
- Help Wanted**
- Services Offered**
- Information**
- Positions Wanted**
- Lost & Found**
- Clubs**
- For Sale**
- Greeks**
- Miscellaneous**

Advertising Policies
 Classified ads are due at 5 p.m. two days before day of publication, and must be prepaid and accompanied by a complete address and phone number. Send or bring ads, with payment, to W20-483 (84 Mass. Ave., Room 483, Cambridge, MA 02139). Account numbers for MIT departments accepted. Sorry, no "personal" ads. Contact our office for more details at 258-8324 (fax: 258-8226) or ads@the-tech.mit.edu.

Rates per insertion per unit of 35 words

MIT community:

1 insertion\$3.00
2-3 insertions\$2.75
4-5 insertions\$2.50
6-9 insertions\$2.25
10 or more insertions\$2.10

All other advertisers.....\$5.00

■ Events

Enhancement of learning ability and creativity are a few of the many benefits of true meditation known as Sahaja Yoga. Experience this very natural, simple meditation in ongoing workshops- Tuesdays at Stratton Student Center- 8-9:30 p.m. Always free. Mezzanine Lounge. Info (617)354-6069 or (508)287-0244.

■ Help Wanted

Computer Systems Troubleshooter Part-time in Boston (10-20 hrs./week) Boston-based international firm seeks person to manage and troubleshoot Novell network linking PCs and Macs. Must have experience with: Windows for Workgroups, font issues, sharing applications, network printing issues, FoxPro experience a plus. Position would be part-time to start, 10-20 hours per week. Pay based on experience (\$10-\$25/hour). Start immediately! Send or fax your qualifications (please do not call): Harvard Translations, Inc. 137 Newbury St. Boston, MA 02116 Fax: 424-8983.

Summer Resort Jobs Earn to \$12/hr. + tips. Locations include: Hawaii, Florida, Rocky Mountains, Alaska, New England, etc. For details call: 1-800-807-5950 ext. R5033.

International Employment - Make up to \$2,000-\$4,000+/mo. teaching basic conversational English in Japan, Taiwan, or S. Korea. No teaching background or Asian languages required. For info. call: (206) 632-1146 ext. J5033

■ Help Wanted

Cruise Ships Now Hiring - Earn up to \$2,000+/month working on Cruise Ships or Land-Tour companies. World Travel. Summer & Full-time employment available. No experience necessary. For more information call 1-206-634-0468 ext. C5033.

Programming Wiz wanted to develop a complex windows based statistical database for use in surveys. Prefer this to be developed from a major software program such as Excel, or Access but not necessary. Input will be form based with reporting to be graphic and text based. Students are welcome to use this as a class project or temporary internship. Contact Howard at 508-285-3555.

■ Wanted

Coollest radio station in world in search of new sounds. If can make a synth sound like armageddon and would enjoy stacks of free CDs and concert tickets, call Todd at 617/595-6200 x40.

■ For Sale

You can afford a computer on your student income. Own a major manufacturer's Intel i486SX/25, 170M HD, 4M RAM, Canon BJ200 printer, .28 SVGA monitor, 3 year warranty for \$1.42 a day. No payments for 90 days. Much more where that came from! As seen in PC Magazine and Business Week. Complete configuration, repair, and technical support for students. Call Penguin Computer Center at 215-672-4444.

■ For Sale

Stuff for Sale: Women's shoes: Brown leather shoe-boots w/side zippers, size 10B, never worn, \$20; black suede pumps w/1 1/2" heels, size 8 1/2 B, worn once, \$15. Black wooden dresser, 5 drawers, 2'x4'x4', great condition, \$50. Call Marie at x3-8408 or mail marie@psyche.mit.edu.

1981 Honda Accord Hatchback: Very good engine, 30 mpg, minimal rust (it used to live in Fla!), high mileage. New brakes and tires, recent electrical re-wiring and transmission work. \$575. Call Kara at 321-4336.

191 GMC Sonoma truck, black. V6 engine, 5-speed, power steering, power brakes, rear ABS, air-conditioned, AM/FM stereo w/cassette player, cruise-control, sunroof, tonneau cover. Looks brand new. \$7900. Call Scott @ 577-9022.

Mazda GLC LX 1985 maroon, automatic transmission, Air Conditioner, sunroof, AM/FM stereo, 105K, new tires, new brakes. Moving, must sell. \$1500 or best. Call Joe x5-8247.

Panasonic Dot Matrix Printer for sale. Model KX-P1124i. 300 cps in Draft pitch or 100 cps in letter quality pitch. Internal 12K buffer. 7 letter quality fonts. EZ set operator panel. Excellent condition. \$200 or best offer. Call Dana at 628-5296.

■ Housing

Bargain Summer Sublet Cambridge. 5 minutes by bus to MIT. Share fully furnished 2 bedroom with 1 female. June 1 to Labor Day. Rent \$220 + utilities. Female MIT affiliates only. 868-1057.

■ Housing

Luxury Living 101 Greenhouse Apartments. Study in one of our unique floor plans; workout in the healthclub; relax by the pool; cram for exams in our library. Register for summer/fall occupancy. Call (617) 267-6777.

Campus: Edgerton House sublet; rm in 3BR apt; share living, kitchen, bathrm; June 26 - August 15; rent negotiable. Must be MIT-affiliated. Call Philip 577-9192 or PHIRSCHS@SLOAN.MIT.EDU.

Summer housing! 15 minutes' walk from MIT, two blocks from T, near Central Square. Large room in shared apartment with great panoramic porch views of Boston. Only \$315/month (incl. hot water). Call Josh at 253-1541.

■ Lost and Found

Reward: Lost Friday May 6 Sony microcassette recorder, corded mike, two cassettes, batteries taped in place. Call Nate 661-9180.

■ Travel

Catch a Jet! Europe only \$169; Coast to Coast: \$129; Carib/Mexico: \$189. AirHitch@ 1-800-326-2009. Call for program descriptions!

■ Information

June degree candidates who have student loans should schedule an Exit Interview with the Bursar's Office in E19-215 (x8-5664). Exit Interviews are mandated by the U.S. Office of Education and are required by the Institute. If you received a notice in the mail but are planning on staying at the Institute, please call to let us know of your plans.

■ Information

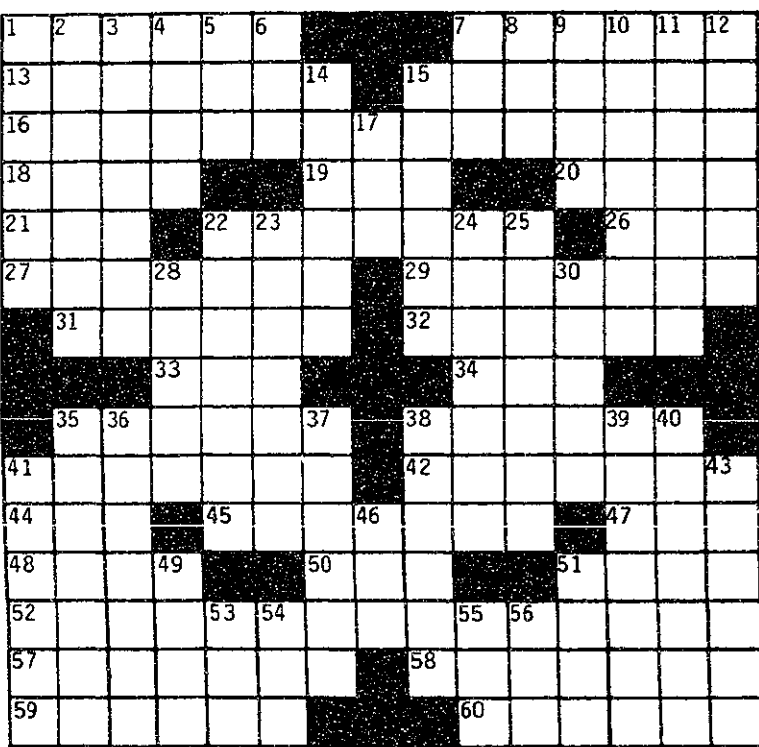
Summer Physical Education Classes: Registration began May 23 in the Physical Education Office W32-125 for classes that will begin early in June. Activities offered include Aerobics (AM and PM), Exercise Fitness, Step Aerobics, Fitness Conditioning, Golf, Partner Dance Sailing, Scuba, Sculling, Self Defense, Tennis, Weight Training and Yoga. Classes are open to all members of the community for a modest fee (slightly more for those without athletic cards). For more information, call the P.E. Office at 253-4291.

■ Miscellaneous

Donate Your Live Brain to Science (well, for 15 minutes anyway...) The Dept. of Brain & Cognitive Science seeks subjects whose first language is American English for exciting psycholinguistic research. Pays \$ for 15 minutes. Call Marie at 253-8408 or send e-mail to marie@psyche.mit.edu

Donate Your Live Brain, Part II The Department of Brain & Cognitive Sciences seeks subjects with various linguistic backgrounds for experiments about all kinds of stuff that pay some amount of money for varying lengths of time. Send mail to mollylab@psyche.mit.edu for a questionnaire and details.

Writers, Cartoonists, Artists: Satirists, Programmers to submit work who are familiar with the Macintosh computer and its possible social and political effect upon American society. Contact Bill Keli The Macrozine, 6 Marin Street Newport, RI 02840 for Author Guidelines. All viewpoints welcome.



© Edward Julius Collegiate CW8809

ACROSS

- 1 Rows of cut grain
- 7 Actress Mason
- 13 Shaving creams
- 15 Vocalizes
- 16 Big Eight team (2 wds.)
- 18 Estrange from a habit
- 19 Spanish gold
- 20 Part of Fred Flintstone phrase
- 21 Military branch (abbr.)
- 22 Fastened with a pin
- 26 Map part
- 27 Part of a golf game
- 29 Smearers
- 31 Conference with the enemy
- 32 Accompany
- 33 Everything
- 34 Bout decision
- 35 — cord
- 38 Fishing nets
- 41 Without exception (2 wds.)
- 42 Hemingway, et al.
- 44 Summer in Sedan

DOWN

- 1 Decelerate
- 2 Sees the light (2 wds.)
- 3 National league team
- 4 Comparison word
- 5 Amused expression
- 6 Sellout sign
- 7 Telephone-dial trio
- 8 From — 2
- 9 Round: Fr.
- 10 Gym shoe
- 11 President Hoover
- 12 Analyzes
- 14 Like Los Angeles

- 15 Tristan's beloved
- 17 Neighbor of Uruguay (abbr.)
- 22 Heretofore (2 wds.)
- 23 Width of a narrow road (2 wds.)
- 24 Well-known airline
- 25 Being evasive
- 28 Prepare for
- 30 Pat or Debbie
- 35 Carrying case
- 36 Make believe
- 37 Building shelves
- 38 Earthquakes
- 39 Art lover
- 40 Candle fat
- 41 One of former musical group
- 43 Talked disrespectfully
- 45 Scarlett's closing word
- 49 Brake part
- 51 Feed the kitty
- 53 Eithers' partners
- 54 Part of NNP
- 55 Calendar abbreviation
- 56 Expression of wonderment

SOLUTIONS ON PAGE 23

Jim's Journal

By Jim

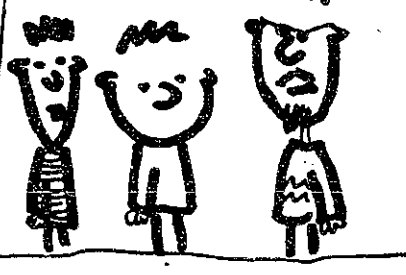
Today Steve and I were hanging out not doing much.



Tony came by and had a mustache and a goatee..



Steve said, "Who are you, Malcolm X?"



Tony said, "Shut up, you loser," and put an unlit cigarette in his mouth and walked away.



©1994 DIKKERS 4-15

Seniors in M. Tennis Graduate, Leave Gap

Tennis, from Page 28

year, the two-time All-American has been nominated for the ITA Arthur Ashe Sportsmanship Award.

Muelhoefer has been quite successful in his first and only season as MIT's top singles player. As a result, he will be part of an elite field of 64 in the singles tournament.

After the last dual meet, Hamilton stated simply of the four, "We will miss their leadership."

New team next season

The graduation of the top four singles and three of the top four doubles players will give the team a much different look next season. The team will be somewhat inexperienced, as four freshmen and one sophomore with varsity experience will return. However, they have much room and time for improvement.

Coach Jeff Hamilton hopes next year will introduce a crop of talented freshmen to bring in new blood and contribute to the team effort. The team has been frustrated in previous years by top recruits who choose to attend other schools, especially larger ones with stronger teams.

In any case, the Engineers hope to regain the dominance in New England, and national competitiveness that they once knew. That is especially true for Hamilton, who coached teams to the NCAA Championships in 1991 and 1992. During that period, Hamilton once had a team ranked as high as 10th nationally, and coached players to numerous titles. Doing so will probably be easier said than done; even the graduating players on this year's squad might be difficult to replace.

Thought about a Summer Meal Plan yet?

No Risk! Here's how a meal plan can help -

- Cuts down on time you spend Shopping • Cooking • Cleaning up
- Fits your busy schedule Breakfast • Lunch • Dinner
- No need to carry cash

No Hassle!

Don't delay. Summer Meal Plans begin Wednesday, June 1, 1994

Meal Plans are available in \$100 increments. To begin a Summer Meal Plan just complete a meal plan contract card at any dining location on campus or stop by the meal plan office at E32-200 or the Customer Service Center at W20-507.

Funny thing about power.

The more you have, the more you want.

Power2 Has Triple-digit LINPACK Supercomputing Performance!

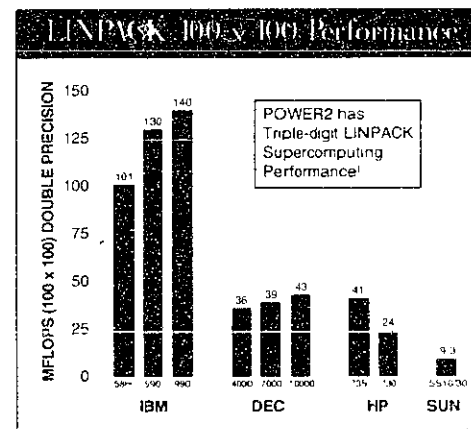
Got an insatiable appetite for power and performance? The IBM POWER Architecture serves up plenty of both. It's the secret ingredient in our new POWERparallel Systems and the entire RISC System/6000* family—they serve up the kind of power that until now you could only get from traditional supercomputers.

POWERparallel Systems and RISC System/6000 serve up from 6 megaFLOPS to over 16 gigaFLOPS—POWERparallel Systems harness the power of up to 128 RISC Systems/6000 nodes with announced plans to grow to 512 nodes. Enter this exciting world of parallel processing with the affordable RISC System/6000—a fully configured RISC System/6000 for MIT starts at less than

\$5,995! Develop your numeric intensive applications for fluid dynamics, electrical design or computer-aided design and they'll run on the POWERparallel System when you're ready.

Our sophisticated Fortran and C compilers make porting code to the RISC System/6000 and POWERparallel System fast and easy. And managing your system is made easier with our new icon-based Visual Systems Management Interface Tool.

Have we whetted your appetite? To learn more about the exciting IBM POWERparallel Systems and the RISC System/6000, along with the significant hardware and software discounts available to MIT, please send your name and U.S. Postal Service mailing address to:



red_hot@vnet.ibm.com. Contact us today! We'll mail you the complete IBM Direct catalog with full product information, including discount pricing and ordering instructions.

Learn more about special MIT discounts by sending your name and Postal Service mailing address to: red_hot@vnet.ibm.com.

*Data Chart Source: University of Tennessee LINPACK Performance Report, Jack J. Dongarra, Oak Ridge National Laboratory, March 1994

RISC System/6000 and IBM are registered trademarks of International Business Machines Corporation ©1994 IBM Corp



Firehose Tavern

by Mark P. Hurst



From Athena, type:

add tech
tech &



— OR —

The Tech's server also is accessible through any World Wide Web client. Our URL is:

<http://the-tech.mit.edu/>

SPORTS

Men's Tennis Defeats UMass Amherst in Final Meet

By Daniel Wang
TEAM MEMBER

The four soon-to-be-graduating senior members of the men's tennis team hoped to close the final dual meet of their careers on a high note on May 5. After a season of disappointments and frustrations, they each came through, and contributed to a 4-2 win over the University of Massachusetts-Amherst.

The action at the J.B. Carr Indoor Tennis Center kicked off with the doubles play. Each of MIT's three pairs fell behind at the beginning, but recovered the lead in the midst of exciting action on all courts. First doubles team Jay Muelhoefer '94 and Nick Tsai '94 demonstrated why they were one of the top Division III pairs in New England, exploding to overcome a 2-1 deficit, for an 8-3 win.

On the adjacent court, Mark Erickson '94 and Jason Weintraub '97 experienced similar problems early on, falling behind, 4-3. They too, however, played more aggressively and more consistently to storm back into the match. They won their match, 8-4, giving MIT the majority of the doubles matches, and 1-0 lead in team score.

Throughout the entire season, the Engineers had struggled to win a point from doubles. This time, however, they managed to win the point for the first time, since the institution of the new Intercollegiate Tennis Association Division I format. Under the new rules, the three doubles teams play abbreviated matches; whichever team wins at least two of the matches earns a point toward the team score. With the shortened matches, a quick start was critical to the final outcome.

Three seniors were a major part of the doubles effort and three seniors turned out to be major contributions in the singles play as well. Interestingly, MIT captured points from the top three positions, while failing to win the three matches at the bottom of the lineup.

Throughout the entire season, second singles player Lomelin and third singles player Erickson had managed to stay close in most of their matches, only to come short in the end. This time, they managed to eliminate the possibility of repeating such a scenario. The shots went in their favor, as they both won in straight sets to give MIT a 3-0 lead.

Meanwhile, on the other courts, the UMass Minutemen showed that they still had a chance of winning the dual meet. Muelhoefer at first singles, did not have an easy time with his opponent's steady baseline play.

At the far end of the tennis bubble, fourth singles player Tsai started out slowly, dropping the first set, 6-3. Tsai then fought back to win the second set, 6-4, but his opponent regrouped to capture the final set, 6-2, and the match.

As Muelhoefer was still fighting his adversary and just as Tsai fin-

ished, fifth and sixth singles players Weintraub and Dan Wang '97 took to the courts. In the first set, Muelhoefer managed to stay ahead to pull off a 7-5 win. In the second set, however, errors helped him fall behind, 5-2. With a fighting spirit that pulled him out of big holes many times before, Muelhoefer refused to relinquish the set. Coming up with big shots at critical points, he managed to win four games in a row to place himself back into the set.

Next to Muelhoefer, Weintraub and Wang were unable to make a team victory any easier. UMass players won close first sets in both matches, showing that a team victory, no matter how close, was still possible.

The top singles match looked like it would be deciding factor for the team result. Muelhoefer and his opponent stayed close to each other in score until a tiebreaker. The MIT player, as he had done many times in the past, responded to the pressure and won the match with a narrow 7-5 win in the tiebreak.

Muelhoefer's win clinched the team victory for MIT, which gave some sense to his teammates. Weintraub went on to force a third set, but came up short, dropping a third-set tiebreaker. Wang was behind 4-2 in the second set when he and his opponents were pulled off the court. The teams had to give up the courts to contract users, which decided the match to end up a draw. Both players were disappointed that they were not able to finish their contest.

Coach Jeff Hamilton commented on the overall result, "It was great to end the season on a positive note." Hamilton also said, "It was also good for the team to win three out of the last four matches."

Four careers conclude

The match was the final dual meet, fortunately ending on a high note, not only the season, but also for the careers of four seniors. Muelhoefer, Lomelin, Erickson, and Tsai have together been a part of different MIT teams, with a wide variety of successes. Early on, they were part of a New England juggernaut. Years later, they then became the backbone of a team which struggled against the same, albeit improved, opponents.

Of the four, only Muelhoefer started for all four years, playing the bottom singles position his freshman. Erickson and Tsai did not even make the varsity squad their first year. From there, all four went on to the top of the team.

Muelhoefer and Tsai had an opportunity to extend their careers, with participation in the NCAA Division III Championships. Immediately after completing their final exams, they headed to the University of the Redlands, in Redlands, Calif. for the doubles competition.

As one of the top 10 ranked dou-

bles pairs in the nation, they came with hopes to make up for their disappointing first-round loss at the Rolex National Small College Tennis Championships in October.

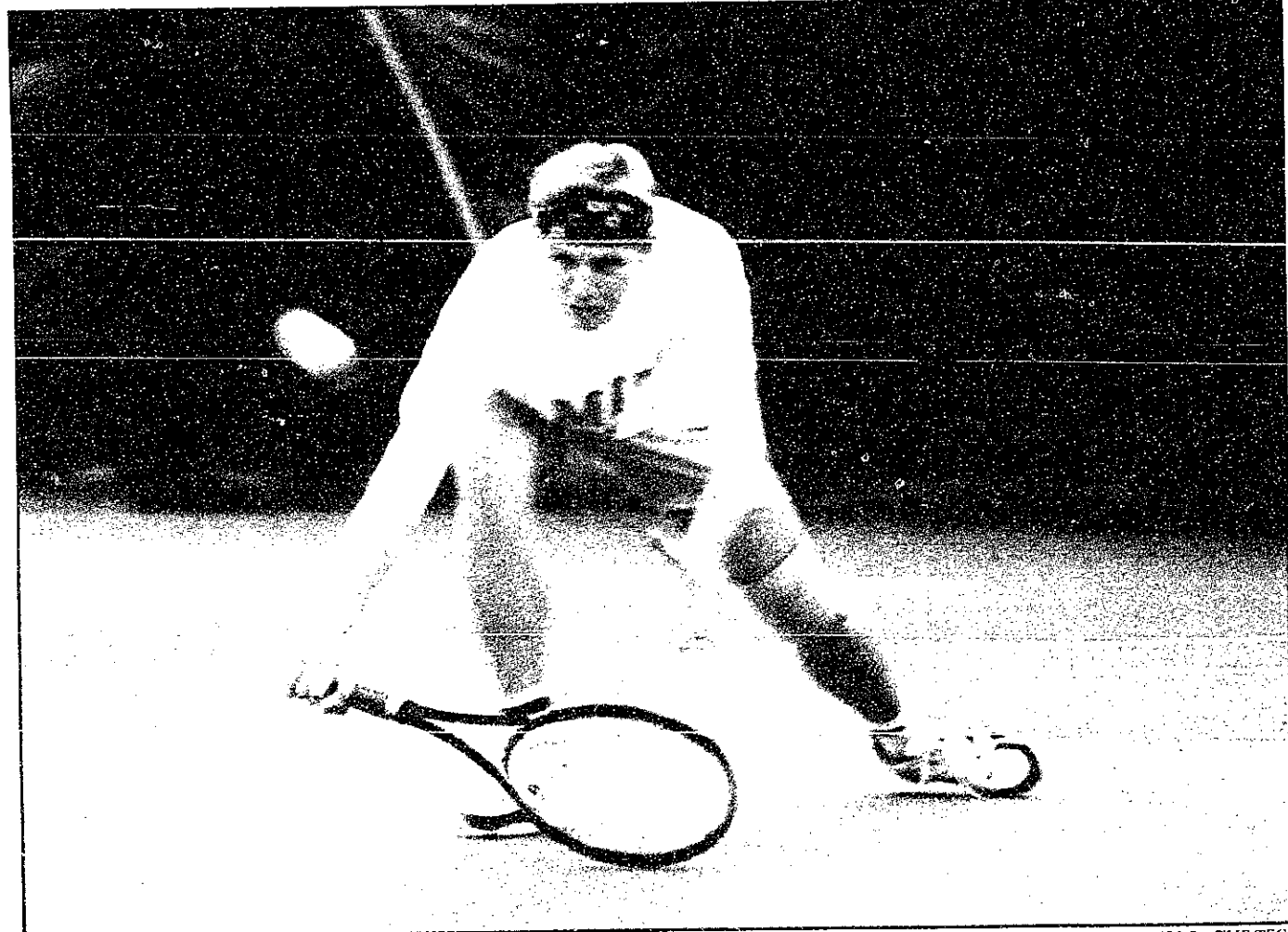
Tsai, despite playing only two seasons of varsity tennis, has already proven to be a major contributor to the team. Last season, he played at the bottom of the lineup and did not attract much attention, but was still an important part of the team effort. One example was his wins in singles and doubles matches which allowed the Engineers to edge Tufts University, a major rival, 5-4.

The next season, he brought his doubles skills to a higher level, playing the top flight with Muelhoefer. The two styles complemented each other, allowing them, when playing together, to complete the regular season undefeated against New England Division III teams.

Muelhoefer, recipient of the Malcolm G. Kispert Award, for outstanding performance as a scholar-athlete, has established himself as one of the most accomplished players of the MIT men's tennis program. His success started from his freshman year, when he was the only member to win points for MIT at the NCAA team tournament.

With three different partners, Muelhoefer then went on to win three consecutive New England doubles titles. Last season, he and Alan Walpole '93 won the Rolex National title, and finished the season ranked fourth in the nation. This

Tennis, Page 27



THOMAS R. KARLO—THE TECH

Top: Freshman varsity starter Jason Weintraub '97 reaches for a shot in his May 5 match against the University of Massachusetts-Amherst. Weintraub lost the match in a third-set tiebreaker.

Bottom: Jay Muelhoefer '94 returns a low volley at midcourt in his 7-5 win.

Tennis Players Top Athletic Department Awards List

By Roger Crosley
SPORTS INFORMATION DIRECTOR

Tennis players Valerie P. Tan '94 and Jay A. Muelhoefer '94 were the "center court" attraction at the recently held Eighth Annual Celebration of Athletic Excellence Banquet sponsored by the Department of Athletics and the Varsity Club. Muelhoefer and Tan were named the winners of the Malcolm Kispert Awards as the outstanding senior scholar/athletes of the year.

Tan is a biology major who also found time to play #1 or #2 singles and #1 doubles on the women's team. Over the course of her career she compiled a 55-39 record in singles and a 27-17 record in doubles. She has been nominated by the Institute for Academic All-America and an NCAA Postgrad-

uate Scholarship. Tan will pursue her master's degree at the University of California at San Diego in the Fall. Muelhoefer has the unusual distinction of winning three consecutive New England Small College doubles championships, each with a different partner.

A mechanical engineering major, Muelhoefer has been nominated for Academic All-America and, like Tan, is a two-time Intercollegiate Tennis Association Scholar-Athlete winner. Muelhoefer is the #1 singles player on this year's team and will be competing in the NCAA Division III singles championship at the University of Redlands (CA), and he and doubles partner Nick Tsai '95 will also compete in the doubles.

Record setting pole vaulter Matthew H.

Robinson '94 was honored as winner of the Howard W. Johnson Award as the outstanding male senior athlete of the year. Robinson who is a four-year letter winner in both indoor and outdoor track and field, also was a starting linebacker on the football team for four years. He holds Institute pole vault records indoors (16' 3 1/2") and outdoors (16' 4 1/4"), and has been New England Division III champion six times in the event.

Kamilah Alexander '96 was selected winner of the Betsy Schumacker Award given for excellence in athletic competition by a female undergraduate. Alexander is a volleyball player who has won more honors than any other MIT women's volleyball athlete at a comparable stage in her career. Alexander's 1993-94 honors included being

named New England Women's 8 Player of the Year, most valuable player in the Eastern College Athletic Conference Division III North Championship Tournament, and earning first-team All-New England status.

The all-time leading point scorer in MIT women's basketball history was named the winner of the Pewter Bowl Award given to a female senior who has shown the highest qualities of inspiration and leadership in contributing to women's athletics. Marion A. Casserberg '94 scored 1,198 points over her four-year career which saw her earn four most valuable player awards and be elected captain three times. Casserberg also was an officer of both the Varsity Club and the

Awards, Page 25