By Reewen M. Lerner

The MIT Police Association took a four-month labor dispute public last weekend, distributing flyers and speaking with community members in front of Building 7. Campus Police Chief Anne P. Glavin responded in a statement yesterday, saying that the flyer was "misleading the MIT community." According to Joseph Sardili, an attorney who represents the Police Association in collective bargaining, the union contract was set to expire on June 30. Since then, MIT and the Police Association have met "a couple of times a month" to try to resolve their differences, he added. The police officers' contracts had been extended at each of the meetings, Sardili noted.

So far, the main focus of the client group has been the discussion of ideas, which instead of falling within the police policy itself, "run parallel to it," D'Angelo said. These alternatives would "provide a service" to the MIT community by "supplementing" the publicity of activities and events, he explained.

Allowing drop posters in areas other than stairwells and halls was one such alternative, with the stairwell between the first and second floors of the Complex being the only one, as possibility. Although it is not common on campus, the idea, according to D'Angelo, is "in the works somewhere," according to D'Angelo.

Since so many students pass through these stairways during class hours, the group has also explored ways of effectively using this space to publicize student events. One suggestion is to print activity calendars to be "used as place-mats at Loblolly," D'Angelo said. This idea, which would encourage students to discuss coming activities with friends over lunch, will be discussed with ARA, according to Undergraduate Associate Vice President and group member Andrew Streit '90.

The Police Association flyer gave several reasons for the continued protest. One, which was labeled "the danger," warned of street gangs who "would sooner blow you away as give you the time of day" and added that there were "only three patrol officers on the street" on the night of Oct. 7. In both her statement and a telephone interview, Glavin rebuffed the Police Association's claims, saying that during the "peak hours" of 6:45-10:45 pm, there were "seven patrol officers," in addition to a lieutenant and a duty sergeant who were "often on the street." Similarly, she said, seven police officers had been on duty from 11:30 pm-2:00 am.

Sardili said that while he had not seen Glavin's statement, the union had been "very careful in making that allegation," and that the number they quoted was the "number" of officers on duty that night.

Bolin refused, however, to comment on the threat of street.

By Cliff Schmidt

Plans to renovate the Stratton Student Center's fourth floor, which includes the offices of many student activities, are finally underway, according to William Robert '90, president of the Student Association of Student Activities. Fourth floor space is currently being used very inefficiently and many rooms could be rearranged to provide more space for activities, Robert said. But "no activity has really space [in Stratton] will lose its space," he added.

The only consequence that the renovations will have on student activity office space, according to Robert, is that more offices will be open for more activities.

Student Center 4th floor renovation plans started

But the renovation plans have generated a number of complaints recently from student activities who do not have office space in the Student Center. The concerns raised by these students include the degree of student involvement in the fourth floor renovations, the maintenance and future of student activity office space in Walker Memorial, and plans for the rating of Building 20.

Renovation plans

Working with Dean for Student Affairs E. Michael McGreavy and Associate Dean for Student Affairs James R. Tewhey, Robert said he plans to have the renovations take place in two phases. The first phase, which will begin this semester, will involve general work on such things as the ventilation, lighting, and electrical systems. The second phase will begin early next term and will involve rearrangement of current space and the allocation of any extra space that is created.

To decide how space is to be rearranged and allocated, a client group has been assembled consisting of Philip J. Walsh, director of the Campus Activities Complex; Victoria V. Simianti, assistant to the director of Physical Plant, who will work with an architect; William Dickson '54, senior associate dean for Student Affairs; and Robert, who will work with an engineer. The client group is inviting every student activity to submit suggestions on the recon

By Gaspar Rewari

"We shall not only need to keep the nuclear power capacity that exists, but also ... considerably expand it," declared Hans Blix, director general of the International Atomic Energy Agency, in the 1989 David J. Rose lecture in nuclear technology held yesterday.

Blix noted the world-wide existence of escalating energy needs, even in nuclear power. Developing nations show an energy usage increase of around eight percent a year.

In consideration of environmental considerations, Blix cited nuclear power as one energy source that does relatively little damage to the environment. If the demands for energy are to be met today, he declared, the real and hard choice is between fossil and nuclear fuel.

Due to the lack of trained manpower and adequate infrastructure, developing countries have no real choice but to employ fossil fuels or hydropower, according to Blix. But the industrialized nations do have a choice, the nuclear power option, "and these are the countries that at present are responsible for 80 percent of the carbon dioxide emissions in the world."

Greenhouse effect

The environmental problem that concerns him the most is the attention paid to carbon dioxide emissions in the greenhouse effect, with an estimated 15 percent caused by chlorofluorocarbons (CFC). 20 percent by methane and 50 percent by carbon dioxide.

Reducing or containing carbon (Please turn to page 25)

The MIT Muses serenade Barry Franklin during their Parent's Weekend concert Friday.
BCC tacts raise questions about “mind control”

BCC lead evangelist denies that he lets secrets from the church or that they are used against them.

Analysis

By Seth Gordon

THE BOSTON CHURCH OF CHRIST

TUESDAY, OCTOBER 24, 1989

The BCC is a cult that uses mind control techniques to keep its members in line. The church is known for its strict control of communication, especially with the outside world. The church leaders have resolved not to reveal the church's secrets to anyone. They also apply strict disciplines to all members, including non-disciples.

McKean argued that since the BCC is trying to make its disciples imitate Jesus, Yeakley’s research proves that Jesus was type ESFJ. Yeakley disagrees; he thinks people of all types can imitate Jesus, but Yeakley holds that the BCC’s effect on members’ personality is not completely positive. The pressure to conform with the church's teachings is high, and members who do not conform are often coerced.

Disciples should keep no secrets from their church. Their confessions may be used against them if they become critical of the church.

Simon described the following scenario for a BCC dating relationship. A male and a woman in the church will be matched by the church leader. You get the female disciple as a partner to say, “Hey, your brother really likes you.” The male disciple will allegedly do the same. After a date, the man’s discipler will tell the woman, “Your younger disciple says that your older discipler needs to wear these kind of high heels.” The female discipler will then advise the woman on how to act. “With that kind of control going on,” Simon concluded, “it’s no wonder there are no divorces in the church.”

Therapists argue whether or not “mind control” exists.

Erratum

The article on construction plans for the TRW site (“Design process for the old TRW site to begin,” Oct. 11) misstated how long construction is scheduled to last. It is expected to take two and a half years.

You are cordially invited to an exhibition of paintings by ten Mainland China and Hong Kong artists entitled “New Expressions: Contemporary Chinese Brush Painting, 1984-89.”

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Reception to follow
USSR admits violating ABM treaty

The Budapest Daily News is welcoming an admission from the Soviet Union that it violated the Anti-Ballistic Missile Treaty. One official said the statement builds a degree of confidence and trust. Soviet Foreign Minister Eduard Shevardnadze also said the Kremlin is ready to negotiate the Intermediate Range Nuclear Forces Treaty. One official said the statement builds a degree of confidence and trust.

Santa Cruz hard hit by quake

Santa Cruz Mayor Mardi Wardoshit still gets teary-eyed when she looks at what last week’s quake did to her city. The downtown section was crushed, and one-third of its stores may be lost. Overall damage in the California city near the quake’s epicenter is estimated at $1.6 billion. An official said Santa Cruz needs an immediate infusion of government aid right away.

Improved health care for children, pregnant women urged

Two groups are proposing legislation aimed at guaranteeing quality health care for all of the nation’s children and pregnant women. The American Academy of Pediatrics and the Children’s Defense Fund said the legislation would provide money to improve employer-sponsored health insurance for employees and their dependents. One spokesman called the current situation a “national disgrace.”

FDA bans Chinese mushrooms

The Food and Drug Administration is ordering an immediate ban on all Chinese mushrooms entering the United States. The agency said some of the mushrooms have been found to contain a bacteria that can cause severe food poisoning. The FDA said most of the known contamination involved mushrooms that were grown in homes. So it is unlikely any of the contaminated mushrooms have wound up in grocery stores or American homes.

House approves gay rights bill

After more than four hours of debate, the Massachusetts House gave initial approval to a gay rights bill. It would ban discrimination against homosexuals in housing, employment, or credit. The bill concerns with Senate changes to the bill. It went through final enactment by a vote of 79-37. The bill now needs only final approval from the Senate before it reaches the governor’s desk. Gov. Michael S. Dukakis has said already that he will sign it. Similar legislation has died in the state legislature in the past 17 years.

Frank hires Washington lawyer for ethics panel hearing

US Rep. Barney Frank (D-MA) has hired Steven Sachs — a high-powered Washington lawyer — as his ethics hearing attorney. He was hired by a joint committee to create a new ethics committee. The bill sponsor, Rep. Mark. Russell of Boston, rebuffed some of his colleagues. He conceded some of the debate indicates the need for the measure.

Couple, son claim lottery jackpot

After keeping the winning numbers quiet over the weekend, a Methuen couple and their son surfaced yesterday to claim $57 million lottery jackpot. Rose and Neil Scirocco of Methuen and their son, Joe DeClerk of Dover, NH, will split the tax income of $1.3 million a year for 20 years. The three had a running agreement to buy 15 tickets and split an after tax income of $1.3 million a year for 20 years.

Dukakis lauds drug agents

Gov. Michael S. Dukakis yesterday kicked off a week-long appreciation of drug-enforcement officials. He was joined by the State House Speaker, Senate President, and other lawmakers. Dukakis and Barry used the event to call for the Senate’s approval of a limited ban on assault weapons in the city of Boston — a bill gun enthusiasts are bunting.
Government shares blame in Colombian violence

I believe that the nomination of Colombian President Virgilio Barco to the United States Senate for confirmation in Colombia and the speaker and the commendation bestowed on him by the MIT Corporation, as described in The Tech by Mauricio Roman, have been accompanied by a dangerous oversimplification of the violence in Colombia. Although the mass media in the United States currently emphasize the Colombian government's war against the drug cartels, Colombia is marked by political violence long before the rise of the cartels. American Watch, in support of the argument, "The Killings in Colombia," lists the perpetrators of human rights violations as follows: • guerrillas; the armed and security forces; and 'private armies' that are linked to elements in the armed forces, by landowners, to rural business interests and to the drug traffic.

A good example is the March 4, 1988 massacre in the northern region of the country where people working on banana plantations there are paid relatively well. Labor unions, which have become more militant, resulting in disputes with the management of the plantations and killings of labor leaders. On the date in question, armed men killed approximately 20 workers late at night. A judicial investigation led by Judge Martha Lucia González Rodrigues found evidence that the paramilitary group ACDEGAM (Association of Peasants and Carver Ranchers) was responsible. The group is funded by the Medellin drug cartel. However, it was assisted in its attack by two army officers, one of whom paid a hotel bill at the Medellin international airport for one of the perpetrators of the massacre, according to the American Watch report.

In addition, the mayor and chief of police of Purutio Boyaca, ACDEGAM's home base, were charged by González with "covering up the criminal activity of ACDEGAM." At one point in her investigation, González and her party were detained and held as an air- strip by a local chief of police and bombed from flying out a part of the investigation. American Watch learned that "Judge González was threatened by high military officer if she persisted in pressing charges against Army officers for their role in the Urabá massacres... for Ms. González' protection, the Colombian government arranged to have her placed in a job outside the country." (This same military will receive assistance from the United States in our effort to help Colombia with her "war on drugs").

This is not to say that Barco himself had ordered human rights of Colombian citizens be violated. Rather, Colombia's civil government is attempting to curtail political violence. That the government's strategy of flaying is flawed is seen by the unabating increase in violence there, as well as the government's apparent inability to bring right-wing and military-related perpetrators of violence to justice. Colombia clearly fears losing the human rights of its citizens.

If the MIT community decides to engage in an organized campaign of political violence in Colombia and its relationship to North American demand for cocaine, I might find myself supporting the nomination of Barco for commencement speaker.

Stephen Fromm G
Scientists must rebuild trust with research sponsors

Column by Ben Z. Stanger

(Second of two parts)

Private research institutions like MIT actually represent two universes: one where guidelines are written, and the other in which the government constantly keeps its eye on.

Many activists, including former MIT professor David Noble, have described the situation as one of structural conflict of interest. The nature of the conflict, he believes, is economic: such an environment is ripe for misconduct by those who use public funds in some way that leads to commercial gain.

The conflict between public and private interests reaches a pinnacle when the possible fallout from a violation can be measured in human suffering. In many cases, the public is the only one harmed when it does not trust researchers to police themselves. The damage takes the form of costly and unjustified investigations, and potential damage to a university's reputation.

Physicians as well as medical schools have had to come up with ways of restoring patient faith. Now it is science's turn.

Once it has been made clear that unethical behavior will not be tolerated, the public is only harmed when it does not trust researchers to police themselves.

Letters policy

The Tech welcomes letters from its readers. All letters are subject to editing and are published solely at the editor's discretion. Authors must sign their letters and include their phone number, and MIT affiliation, if any, for verification, and should type letters double-spaced for ease of reading. Letters should be kept under 500 words. The Tech publishes letters anonymously only in rare circumstances, at the editor's discretion. Bring letters to The Tech office on the fourth floor of the MIT Student Center or send them to: Letters to the Editor, The Tech, P.O. Box 29, MIT, Cambridge, MA 02139; or to Room W20-485 by interdepartmental mail.

Consumers should demand recyclable alternatives

Column by Jenny Jablonski

Many of us regard the availability of disposables as a basic right. However, in order to protect our environment, we need to shift our focus away from the buy-and-toss mentality. To see where the product comes from or where it will go when we are through with it is a realistic price to pay for convenience. However, the convenience is worth the cost to the environment before we buy it.

For example, common knowledge now comes to us from Dow's trademark Styrofoam. Breaks more easily than glass, Styrofoam is both lightweight and unbreakable, yet more people are aware of its presence in our oceans than in our homes. In some forms, chlorofluorocarbons are used as a blowing agent, forming the small air-tight pockets of the insulation. CFC's are a major contributor to ozone depletion, and are a greenhouse gas. Another large problem is that when the foam is incinerated, it produces dioxins, possibly one of the deadliest compounds known to mankind. And as all plastics, foam insulators generate hazardous waste in production and contribute to the landfill problem.

A simple trip to the grocery store presents many problems to environmentally-conscious shoppers. These unsympathetic consumers will often choose such products as plastic bags and containers as ecologically-sound alternatives. However, these plastic products may be degradable in that they will never be integrated into the ecosystem. Rather, the long polymer chains are broken down into smaller units. What's more, biodegradable or not, the plastics are made from non-renewable petroleum, generating huge quantities of hazardous waste in production.

The most troubling aspect of the "degradable" theory is that it promotes a disposable lifestyle. After World War II throwaway products flooded the markets. The purpose behind this influx was to stimulate the national economy. The public soon saw this excessively consumptive lifestyle as a symbol of affluence and leisure.

The political pressure from such bans has fiercely threatened the 15 billion dollar annual plastics industry. Chemical companies have been pouring millions into re-searching recycling options. The major institutes of Health, which are responsible to a large extent for the future of biologi-cal research in this country, should be leading the way now instead of waiting for the government to do so. This would be an answer to that future — scientific ignorance.

Scientific research can be hindered greatly by the ignorance of fund-providers and research sponsors and investigators. It has become a commonly-held recent evidence that this faith does not come easily. A major task of researchers in the future is therefore to make the public view the world with a more scientific attitude.

Since before the Age of Enlightenment, scientists have had to fight hard to gain the citizens who either supported or permitted their work. This is such a pre-requisite for research that, although it may seem like a waste of time to the vast majority of high-intentioned researchers, its results are immense.

Latham, a 19th century physician, said "Faith and knowledge lean largely upon each other in the practice of medicine." His observation has surprising relevance to the practice of science in our own time.

Ben Z. Stanger is a former managing editor of The Tech.

The public sees an excessively consumptive lifestyle as a symbol of affluence and leisure.

difficulty arises in separating the resins, which are typically blended in a plastic product. So far, the material can be melted into a lower grade plastic for use in park benches, flower pots, etc. Reuse in food containers is not feasible in the near future due to the chemicals and metals contaminating the recycled material.

Non-degradability is just the tip of the iceberg for as problems with plastics are concerned. However, by demanding reusable, recyclable alternatives to plastic products, consumers can send a clear message to the polluting disposable industry. For example, wood fiber cellulose is one ecologically-sound alternative to plastic food storage. It is legitimately biodegradable, non-toxic, and non-hazardous. Buying larger quantities of foods will cut down on single-use packaging.

Often the solution is more obvious than we think. We wouldn't need to choose between paper or plastic if we brought a backpack to the store. If we know we buy coffee every day, we'll put our coffee in a mug? Weighed against the cost to the environment, a small amount of forethought is well worth the investment.

Jenny Jablonski, a junior in the Department of Civil Engineering, is a member of the campus environmental group SAVE.
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GREEK WEEK '89

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Walker Memorial
6:00pm Suicide wings contest and free pizza. Sponsored by PKS and SC.
7:00pm Pledge talent competition. Sponsored by AXO.
10:00pm Fiji presents "Signs of Life."

Friday, October 27
4:00pm Ye olde Greek pub in the Sala de Puerto Rico. Featuring "The Dating Game." Sponsored by Women's Conference, SAE, ZP.
8:00pm Social hour at PLP.
7:00pm Party at DKE, featuring "The Eternal Rose Parade." A CD player for the best costume.
10:30pm

Saturday, October 28
12:00pm Tailgate for the football game at West Parking Lot (behind the stadium). Sponsored by SC.
2:00pm Homecoming game against Assumption.
9:00pm SKUFFLE at PKS, featuring "Floating Boats." $3/person, $5/couple.

Sunday, October 29
11:00am The Greek Olympiad at Briggs Field. Sponsored by AP, ATO and AEP.
2:00pm JIFC Picnic at the DuPont BBQ pits. Announcement of the Greek Cup winners.

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FILM & VIDEO

The 11th Annual Boston Film Festival begins at 6 p.m. on October 24 and continues through November 2. Located at 53 Marlborough Street, Boston. Admission: $3.50. Telephone: 547-6789.

The Harvard Film Archive begins its season with the double feature (Dangerous Liaisons, Black Eagles) at 7:30 in 54-100 and The French Library in Boston presents Le Fils du Comte de Monte-Cristo and Unattached perform at 8 pm & 10 pm. Located at 53 Marlborough Street, Boston. Admission: $3.50. Telephone: 547-6789.

TUESDAY, OCTOBER 24, 1989 The TECH PAGE 13

Is there a reason why the image contains text from a previous document? If so, could you please provide me with more context?
The following companies and organizations are interested in international students for jobs in various locations. If a company visit to MIT, you may sign up in the Career Services Office immediately. If no visit is listed, you should contact the representative directly, and include a resume with your letter.

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to M. Roberto A. Terrasini,

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Dmitri Pokrovsky and his ensemble bring life to ancient Russian folk traditions on different levels: in last Saturday’s concert in Boston, we heard a series of religious pieces in performances which conveyed their timeless sense of spirituality. Also on display were an abundance of secular numbers, done with infectious wit.

The evening began with earthy renditions of Cossack music, deep and throaty sounding. The plaintive polyphony of the western Russian religious works which followed was highly evocative, “Soft Light,” a 16th century Russian Orthodox piece for Easter services was quite beautiful, its dirge-like effect both restful and refreshing. The “Hallelujah” which followed was upbeat and celebratory.

The Bryansk region has a ritual fertility dance done with women and a goat; the Pokrovsky ensemble re-enacted it to hilarious effect. But the most unusual item on the first part of the program was a performance of wedding music played to ward off evil spirits on a vargan — a mouth harp popular in Russia. The variety of twanging effects vargan virtuoso Alexander Danilov produced was incredible.

Many members of the audience laughed — the sound was certainly funny — but the performance was also gripping, even hypnotic.

By JONATHAN RICHMOND

The Dmitri Pokrovsky Ensemble
An evening of passionate Irish music from the Waterboys

THE WATERBOYS

By DEBBY LEVINSON

October 22, 1989

Orpheum Theater, Boston

The Waterboys are not a pretty group. One concert-goer called mandolinist Anthony Tindall "the ugliest man in rock and roll." Looks aside, however, Ireland's Waterboys are one of the sharpest and most dynamic groups around today. They are also one of rock's most spiritual groups, in a wholly secular sense of the word. An unmitigated passion infuses their music, and their stage show is an up-lifting as to approach a religious experience.

Most of the Waterboys' appeal stems from leader/guitarist Mike Scott's often bitter lyrics. Like Bob Dylan, he is more a poet than a songwriter, and his imagery is sometimes brutal, sometimes beautiful, as in "When You Go Away":

"Your beauty is familiar
And your voice is like a key
It opens up my soul
And torches up a fire inside of me."

Scott resembles Dylan in other ways, too; his primary instrument is an acoustic guitar, and his voice is definitely an acquired taste. It is nasal and sometimes harsh, but it lends vitality to his songs. The bulk of Sunday night's performance was a cracking "Medicine Bow" and a history "Whole of the Moon," which saw Scott at the electric piano instead of his acoustic guitar. Of the Fisherman's Blues, the title song and "Sweet Thing" (which contains Scott's husky interpretation of the Beatles' "Blackbird") were excellent.

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065-0535
Cecilia Orchestra and Chorus does justice to Judas

(Continued from page 15) An instrument called a gusty produced music rather like bluegrass; an accelerating square dance later swept the women in the ensemble off their feet. To close, the ensemble went dancing into the lobby and, joined by the audience, brought the evening to an end in an atmosphere of high spirits.

Judah Maccabeus may have had a small libretto (by Thomas Morell) but the story of Maccabaei's triumph over Antiochus and the liberation of Jerusalem has been given some wonderful music by Handel. The orchestra and chorus of the Boston Cecilia did it justice. Solo performances were competent if not consistently remarkable. Laurie Monahan was the most impressive of the soloists. Her rendition of "Father of Heav'n" was moving; particularly moving; she was consistently the most emotionally involved of the singers. Nancy Armstrong's singing was pretty and sometimes colorful, but not always up to the expressiveness of Handel's music. Along similar lines, the performances of Rockland Osgood and James Kleya were on firm ground, but fell short of pruning the deeper meanings in the score.

The Cecilia chorus, however, was remarkable, beautifully balanced and flexible in sound. Here was real Handelian singing, bold and full of drive for the famous "Se, the conquering hero comes," but drawn to pathos in the more serious numbers.

Orchestral sound was equally rich, the thrustful blasts of virtuoso trumpet playing equal to the piagn icy of quieter moments for cello or organ. Individual orchestral voices contributed many moments of delight; the blending of their messages into a serenely-fashioned unity gave the performance a coherence that drew its drama together.

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Tickets are on sale at the Technology Community Association, W20-450 in the Student Center. Office hours posted on the door. Call 21-4885 for further information.

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Laurie Monahan, Donald Teeters, and Nancy Armstrong rehearse Handel's Judas Maccabeus.
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Police union criticizes MIT on labor talks

(Continued from page 1)

gangs to the MIT community. Sardull said that the threat was real, and noted that gang members have been "sitting on the steps" of some Institute buildings during the night.

In her statement, Glavin said that she had "instituted the 4 p.m. to 2 a.m. police shift" for reasons of "public safety," which she called her "paramount concern as chief of police."

Sardull acknowledged that such a schedule had been tentatively agreed to, but said that it didn't let police officers get enough sleep. He proposed having officers alternate shifts at 4 p.m. and midnight, which would let the officers sleep eight hours a night.

One issue on the bargaining table has remained unresolved since two years ago, when the Police Association was involved in a similar labor dispute. The union would like a "4-2 schedule," which would give them two days off for every four days of work. According to Sardull, police were on such a schedule average 37.5 hours a week, so opposed to the 40 hours that the contract requires. He said that since campus police consider themselves "on par with Boston and Cambridge police departments," it would only be fair "to be compensated with the same work schedule that those departments have."

Health benefits also at issue

The Police Association is also opposed to a reduction in health benefits which MIT is requesting. According to Simonides, the initiative looks at "the increasing cost of medical care" every year. He said that this year, MIT offered to pay part of the union's health benefits, if the union members would pay for the other part. According to the union's Byers, this would amount to "a wage cut of about one percent" for campus police officers.

Sardull said that such a plan was unfair to the officers, and that it was "hard enough to survive without the university trying to push the police backwards." He noted a $77 million surplus in the pension fund which MIT is unwilling to use to pay for health benefits, and added that Institute negotiators had originally denied that such a surplus even existed.

Only 40 patrolmen are currently negotiating with MIT for a new contract. Two years ago, negotiations reached a similar impasse after more than a year of negotiations. The union then decided to suspend negotiations until a replacement had been found for then-Campus Police Chief James Olivieri, who had previously announced his intention to retire at the end of the year.

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What's the future hold?
Sidney Borum talks with MIT students about his personal experience with AIDS.

(Continued from page 1) a person with AIDS is not necessarily ill. "Do I look sick to you?" asked Borum. "I don't consider myself sick."

What he has, Borum says, is a disease -- or as he pronounces it "a dis-ease." The AIDS virus is itself not fatal, but the fact that it leaves the infected person defenseless against various complications is fatal. There are 19 afflictions that an AIDS victim is susceptible to that a person with normal defense functions will not contract.

The first thing that does strike one about Borum is his energy and animation. A person with AIDS is still a human being, Borum said, and is still capable of leading a healthy productive life.

Many misunderstandings about the disease have occurred through the media, Borum said. The misconceptions that people have is half the battle over the stigma about AIDS. Once being tagged as HIV positive, not only does the victim have to deal with the fact itself, but also has to face the social isolation that often ensues. Borum explained. Many infected individuals are shunned by their families and shunned by friends. In Borum's case, he was lucky to have a supportive family. But when Borum's work colleagues found out he had contracted the disease, they went to his boss and demanded that he be fired.

Borum had an equally bad experience with his medical treatment. Initially, he was improperly diagnosed as having a thyroid condition. When he was subsequently properly diagnosed, the medical staff put him in an isolation ward and instructed the person to treat him wearing face masks and rubber gloves. Unfamiliar with the medical care that he was receiving, Borum checked himself into a second hospital where he received more professional and humane care.

Today, for the rest of his life, Borum must exist on a strict regimen. Every four hours, day and night, he takes the drug AZT and periodically gets misted with aerosolized pantamadine. Both drugs help prevent the onset of illnesses that he has lost immunity to.

The costs of these drugs sum up to $18,000 a year. Borum qualifies for Medicaid and that covers the cost of his medicine. This is not the case for many other HIV positive individuals who can't afford the high prices, Borum said. These drugs are still experimental, and AIDS research is complicated by the fact that the virus cannot survive outside its human host. Therefore all the testing needs to be performed either on viruses that are similar to AIDS or directly on AIDS patients who volunteer.

The most common way AIDS is transmitted is through direct blood contact, specifically the practice of sharing needles among intravenous drug users, according to Borum. The exchange of other bodily fluids, such as semen, vaginal fluids, and breast milk, can also spread the virus, Borum said. People who are sexually active are a high risk group. Borum strongly advocated that those who are sexually active must practice safe sex, particularly the use of condoms. Asked if saliva could also be the route of transmission, Borum replied an amount on the order of 8.6 gallons of saliva would have to be exchanged to represent a significant risk.

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[Image: American Vision advertisement]
Student Ctr. activity space reworked

(Continued from page 1) Every student activity to express its opinion about renovations decisions, according to Strehle. He commented that everyone who approaches the client group citing a need for extra office space will be looked at equally. "There is only so much space on the fourth floor, and so many deserving activities," Strehle said. "Our decision will be based on how well an activity plans to use the space, not on how 'good' the activity has been in the past."

Strehle noted that any decision made by the client group concerning space allocation must be approved by the ASA Executive Committee, which can be appealed to by the student body. The client group also plans to work with the student activities that currently have offices in the Student Center by deciding what logistical changes will benefit the activities, according to Robert.

Walker Memorial office space

Leaders of several student activities in Walker Memorial have raised questions about the status of student offices in that building. Alan Lasky, G. of the Special Effects Club, Peter Rexer, '91, of Pershing Rifles, and Larry Appleman, G. of Voo Doo, have all felt that their space in Walker is not guaranteed to remain theirs.

According to ASA's Robert, student activities in Walker have been gradually withdrawing office space from student activities in Walker. He questioned the fairness of ASA decisions, labeling past decisions "completely arbitrary."

The Campus Activities Committee's Walsh, who is in charge of day-to-day maintenance of Walker, said that the future use of Walker "is not an active issue right now." He noted that the future of Walker will eventually be decided at a senior level of the MIT administration.

Building 20 may soon be demolished

One issue that has been brought up in connection with how future renovations in general will affect student activities is the future of Building 20. According to Bradley, Building 20 will definitely be torn down soon. There is presently some student activity office space in that building, and Bradley questioned what will happen to it if the building is torn down.

Doreen Morris, assistant to the provost, said that the provost issued a memorandum in October 1988 calling for the eventual demolition of Building 20. And in January 1989, a space utilization document detailed how Building 20 space is currently being used. According to the document, the three student activities in Building 20 occupy two percent of the total space.

A broader-based faculty committee, Morris said, will soon be assembled to discuss, among other things, what kind of relief areas will be used for the offices that Building 20 now houses.

Bradley called for the administration to issue a guarantee to Building 20 activities assuring them that their space will not be taken away without an equivalent replacement.

In response to Bradley's request, Morris said the Provost's Office cannot make such a guarantee at this time.

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Blix advocates nuclear power

(Continued from page 1)

dioxide emissions is possible only through international action such as limiting the burning of fossil fuels, Blix said. This, however, raises formidable political problems, unless a large number of nations depend on these energy sources. The two recipes that environmentalist groups have to combat the greenhouse effect are energy conservation and the rapid development and use of renewable energy sources, in particular wind and solar power, Blix said.

Blix approached the energy conservation issue with an analogy: future cars will certainly get more miles per gallon than the present generation, but getting the car owners to drive fewer miles is much harder under any proposal. While these remain "considerable potential for energy saving," the possibilities must be kept in a "real world perspective," he stressed.

If one excepts hydro power, renewable energy sources contribute less than 0.3 percent of the global energy supply, Blix stated. He felt that much work still remains in reducing the costs of solar and wind generation if they are to be economically competitive.

Also energy sources which are technically and economically proven on a large scale and which can produce large amounts of energy without adding significantly to sulphur dioxide, nitrogen oxide, or carbon dioxide emissions are hydroelectric power and nuclear power, Blix asserted.

Of these, hydroelectric power has a limited exploitable potential left in the industrialized world. There is however, still a very large capacity in the developing world which should certainly be harnessed where environmental concerns can be met, Blix said.

Nuclear power now provides 17 percent of the world's electricity and five percent of its primary energy. Its importance" is very different in different countries." Blix cited the case of France, the world leader, which has 70 percent of its electricity coming from nuclear power. Its large nuclear power capacity enables it to export electricity valued at more than $1 billion per year.

On the other hand, Blix said, countries in the developing world which should ideally have a limited exploitable potential for energy saving, will have a large hydro capacity in the future. They will therefore be even more economically competitive.

Blix stressed that "none of the present nuclear weapon states began with nuclear power. The weapons came first." And with regards to safety considerations involved in nuclear plants, Blix cited the work of numerous teams and agencies in trying to standardize regulations. In the context of nuclear waste disposal, Blix mentioned that it is desirable to delay ultimate disposal of waste or processed fuel for some 30-50 years to allow it to lose much of its heat and radioactivity before packaging it and depositing it. A number of actual repositories for low and intermediate level radioactive waste are already working well, he added.

"The sooner we face up to the reality, the better the chances are for energy policies to meet the threat of global warming," Blix declared. Working towards maximum energy conservation, reforestation and an expanded use of renewable sources of energy is "desirable but not enough."

"We must ensure that nuclear power performs safely and economically well, that an international nuclear safety culture is established. We must overcome resistance to the construction of facilities for the storage of spent fuel and the disposal of waste," he urged.

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When?

Original works of art should be submitted Nov. 13. The exhibition runs from Nov. 17 through Dec. 9. Pick up entry information at the Office for the Arts (E15-205), the List Visual Arts Center (E15-109) the Student Health Resource Center (W20-547), or the Medical Dept. (E23-205). For more information call Ron Platt at 253-4400.

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Poster group suggests alternatives

(Continued from page 1)

Listing campus activities in an announcement section of The Tech, as a combined service of the paper and the Campus Activities Office, is another possibility, according to D'Agostino. The lowering of advertising rates for all student activities was also discussed by the group.

Providing a monthly activities calendar, or "on-line information on what's happening," which students could access through Project Athena is another alternative to supplement posting for activity listings and events, D'Agostino said.

A more effective use of on-campus bulletin boards has also been discussed by the group. One way of doing this is to group the bulletin boards according to type; some would be designated "for-sale" boards, others daily boards, still other social boards.

D'Agostino cited the Lobby 7 daily board that was started last year as an example. And although the board "did not really take," D'Agostino learns from the failed attempt. First, since the "changing of habits takes time" the boards should be located in areas which are part of students' daily routine. A "big publicity push" and an "attention-grabbing" format are also necessary, he added.

The centralization of these alternative publicity sources "through the Campus Activities Complex" was also discussed, Stehle said. This would allow activities to publicize in several sources by placing just one phone call, thus minimizing the amount of effort on the part of the activities, he added. This might also lead the information desk, already set up on the first floor of the Student Center, to become more of a central focus for activity information.

The group also hoped to stop the posting of commercial flyers, such as credit card and travel ads. This "would take away a lot of the visual pollution" that plagues the Infinite Corridor, D'Agostino said.

Each of these alternatives are "seen as a not good" by most members of the client group, D'Agostino said. But since "different segments of the community will favor different things," he explained, the debate will arise over how much effort is justified for each of these ideas.

Establishing a new poster policy

"Posting is unique in that it is passive; the reader doesn't need to exert any extra effort to read it," D'Agostino commented. In contrast, he explained, the suggested alternatives "don't have this special quality of grabbing the individual without his having to take the initiative." Stehle also recognized that posting is "a terrific way to get information across." That is why "there will always be posting at MIT," he said.

But the current poster policy is "clearly not working," according to Stehle. Under this policy students can "post only on bulletin boards designated for student activities," cannot post on any walls or windows and must take down their own posters, he said. The policy is enforced daily, by Physical Plant, who takes down all posters which do not comply, and "there are no fines," he added.

Having suggested several viable alternatives for publicizing student events, the group now needs to get down to the "not-so-agreement" job of establishing an effective poster policy. Since it involves deciding on exact wording, and establishing possible punishments, this part of the process is "a little stickier," D'Agostino said.

Most members of the group agree that the goal is a "policy that is going to make sense to everybody," D'Agostino said. The group does not want "a war-time solution," which would pit physical plant against posterers, he added. "Enforcing an unfriendly policy would not be easy" and this fact is in the "minds [of members] as they come to the details" of policy-making, he explained.

Stehle argued against establishing fines as part of the poster policy, convinced that there are "better ways" to encourage compliance. If fines were to be included in the policy, a problem would arise over who would have to pay, he said. The money should not come from the UA Finance Board since "they are already strapped," he explained, nor should it come from individual students since this would be "penalizing those who are active.

Perhaps the biggest accomplishment of the group to date is that, through discussion, all the members have begun to see other perspectives," D'Agostino said. The Poster Policy Group consists of undergraduate and graduate students, administration and Physical Plant officials and these different people come with different biases and perspectives," he noted. But within two meetings the students have become aware of the need for a poster policy and the administration has become more convinced of how important postering is," he added.

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TUESDAY, OCTOBER 24, 1989 The Tech PAGE 23

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Program Manager
MIT SB (16) 1988

"I’m optimizing semaphores for the 32-bit version of OS/2. It’s exciting, challenging work and there’s an added reward when you stop and realize that millions of people will someday be impacted by what I’m doing now."

Kyle Peltonen
Software Design Engineer
MIT SB (6-3) 1989
Imagination paves the way to tomorrow

Ford Motor Company is involved in an ongoing quest for technological superiority. That's why we look for engineers with the creativity and imagination to bring to reality the vehicles of the 21st century.

We encourage our select group of engineers to reach into any discipline to adapt technologies that will meet changing customer needs and keep Ford at the head of its industry.

We have built our success on the pride, drive and vision of our employees. It is our goal to find resourceful people who can generate and implement better ideas that will sustain Ford's leadership into the future.

Ford's challenging human resource development programs introduce you to our corporate culture of achievement. And, our employee involvement and participatory management processes encourage a free exchange of ideas, recognition and rewards. At Ford, you'll find a stimulating environment in which you can grow and flourish.

If you are prepared to use your expertise in unique and challenging applications, join the world class engineering team at Ford Motor Company. Representatives will be on campus on October 25th, 1989 to interview students interested in employment with Ford in the following divisions:

- Car Product Development
- Electrical and Fuel Handling Division
- Electronics Division
- Engine Division
- Product and Manufacturing Engineering Staff
- Transmission and Chassis Division

For more information on career opportunities at Ford, contact your placement office or:

Corporate Recruitment Manager
Ford Motor Company
Central Placement Services
Box MIT
The American Road
Dearborn, MI 48121

*Ford invites you to a pre-recruiting information session and mixer at the Cambridge Marriott, 5:00 pm, October 24th, 1989.

Make Ford your path to the future

By choice, we are an equal opportunity employer.
Once a powerhouse, SMU falters from NCAA penalty

Feature

By Shawn Mastrian

The MIT football program is alive and strong. The team record is 3-1-1, a winning season is guaranteed with paty Assumption in town Saturday, and no team members have been arrested recently. With this in mind, it's time to look down on some less fortunate programs. This week, the obvious choice is Southern Methodist University.

SMU used to be a perennial football powerhouse. They produced the likes of Eric Dickerson and Craig James not so long ago. They have fielded this season a team of first-year players with no experience. They lost 9-21.

Seventy-four points is a lot to lose by. Ninety-five points is a lot to have scored against you (the Cleveland Browns have allowed seven less over six games). Just imagine how badly the Mustangs would have lost by if the first stringers were not pulled at halftime by Houston.

The porous SMU defense allowed the Houston offense to move the ball 1021 yards against them. If you think about that, that's nearly two-thirds of a mile. I can barely run that far in a 60 minute time span, let alone with 11 guys trying to prevent me from doing it.

Andres Ware, Houston's first string quarterback, threw for 517 yards against SMU. He has thrown for 1034 yards. By comparison, the Mustangs have thrown for 1122 yards in their first six games.

Poor SMU. Having to face such a team after getting off the "death penalty". Almost makes you feel sorry for them. Almost.
Men's cross country team falls to Tufts University

By Dermot J. Peterson

On Saturday the Tufts University Jumbos made the trip back to Kendall a long one for the men's cross country team. The Fellsway in nearby Stoneham witnessed an inferior outing by the harriers. The dual meet served as the final tune-up before the All-New England Cross Country meet this Friday at Franklin Park in Roxbury.

Tufts, ranked fourth in last week's New England poll, put runners in the win, place and show slots. The Tufts trio of Swift, Kneze and Rick crossed the finish line just a few steps ahead of MIT's Jim Garcia G. Tufts followed with an impressive 5-6 combination to finish with 17 points to MIT's 44. Cool, breezy conditions over the muddy course contributed to a slow winning performance at the New England Poll, put... (Dermot Peterson G is a member of the men's cross country team.)

MIT started aggressively as Dave Afshartous G, Nathan Getrich '91 and Jon Gladstone '92 control the lead at the half-mile mark in Saturday's cross-country meet against Tufts.

Sports Update

Football victorious

The football improved it's record to 3-1 with a 6-0 victory over Siena. The lone MIT score came on a scoring strike from Tim Day '89 to Tony Lapes '90 from 25 yards out. Neither offense was able to produce much as an extremely muddy field made for poor footing, with the defense holding Siena to just 94 total yards. The team plays Assumption College in it's homecoming this Saturday.

Women's soccer falls

The women's soccer team lost a heartbreaking game on Saturday to Southeastern Massachusetts University, 1-0. It took until the second overtime period for someone to score, but unfortunately it wasn't the Engineers. The team has one game left in the regular season before this weekend's New England Women's 8 tournament at Mount Holyoke.

MIT 0, Siena 0

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Penalties-yards

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Field hockey triumphant

The field hockey continued it's winning ways as it shut-out Nicholls 1-0 on Saturday. The victory ended the team regular season on a positive note and gave them momentum for this weekend's NEWB tournament at Wellesley. Compiled by Shawn Mastrian

Join The Tech Sports Staff

The MIT varsity women's eight rowed to a fourth place finish in the Head of the Charles regatta this weekend. This guarantees them a place in next year's contest.

Jeremy Yung/The Tech

Scott Dave '91 and Teresa Woo '92 win their division B race in Saturday's Northern Series V regatta.

Photo courtesy Margot Gladstone

MIT runners Dave Afshartous G, Nathan Getrich '91 and Jon Gladstone '92 control the lead at the half-mile mark in Saturday's cross-country meet against Tufts.