

UA elections reheld with stricter rules

By Henry Frechter

The second attempt to elect the Undergraduate Association President and Vice President (UAP/UAVP) will be made tomorrow, marking two weeks exactly since a series of unusual occurrences began with the Election Committee's invalidation of April 10's UAP balloting.

The Election Committee has announced a new set of rules on campaigning and balloting to prevent a repeat of the alleged ballot-box stuffing that occurred at the first election. There will be only one voting booth available tomorrow, and it will be manned by the election "commissioners" (an informal group of people chosen by UA Secre-

tary-General Stephen Shagoury '76).

Co-UAP Derek Vlad, a member of the Election Committee that invalidated the first election, told *The Tech* that he personally expected a turnout lower than the 1200 voters in the first election. "The momentum is gone from the election," he said.

While the results of the class elections two weeks ago were accepted, "very strong evidence to indicate that there was tampering with several groups of ballots" caused the Election Committee to declare the UAP/UAVP election invalid. A member of the committee, Michael (please turn to page 3)

Roll cards may go to ease registration

By Bill Conklin

A proposal to eliminate roll cards from the registration process is being considered, according to Warren Wells, Registrar.

The proposal was sent to Wells by the Committee on Academic Policy (CAP) because, according to Professor Arthur C. Smith, CAP Chairman, "the CAP was upset over the confusion in registration caused by students signing up for courses and not turning in roll cards, or not signing up for courses and turning in roll cards, and things of that nature."

Although the final decision is left up to the registrar, Wells is asking for the opinions of several people and committees before making the decision, which he says will be made in three or four weeks. "I wouldn't do it unless it looked advantageous to the various people involved. We'll have to discuss it and see if it looks good."

"Roll cards have worked well over the years, but their use seems to be deteriorating," said Wells. He added that there had not been any sudden change, but

that the situation had worsened in recent years.

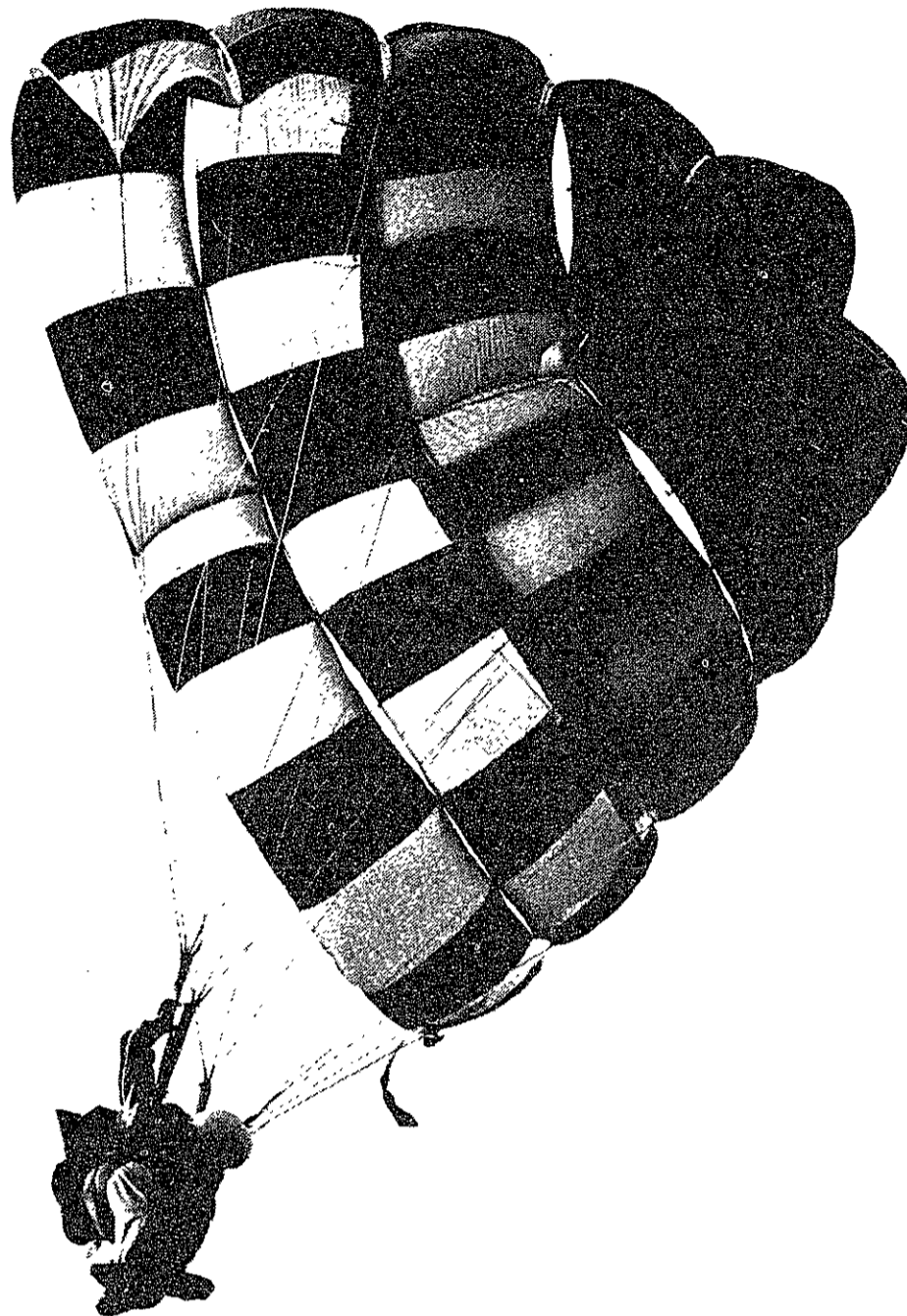
If the roll cards are eliminated, the Registrar's office will consider sending class lists to professors several times a term to keep them aware of who is registered in their classes. Any change in status of a student would be reflected in the next class list.

The change would not affect add/drop cards, or any other facet of registration, according to Wells.

Also under consideration in several committees is a proposal to change the drop date.

"The CAP discussed it at length, but couldn't reach any agreement," said Smith. "We've heard proposals ranging from making it the fifth week in the term to making it effectively minus infinity, so that a course could be dropped at any time."

Smith said that the CAP had written a letter to the chairman of the faculty on the subject, and that the ad-hoc Committee on Grades and the Committee on Educational Procedures would be discussing it.



More than one person dropped in on Kaleidoscope '74 last weekend. See pages 6 and 7.

Photo by Tom Klimowicz

FinAid to be re-evaluated

By Jules Mollere

MIT's Student Financial Aid Office is, according to Dorothy Bowe, Assistant Director of Financial Aid, re-evaluating its basis for determining student need.

Bowe said that this is a result of "the growing number of students across the country who are declaring themselves financially independent of their parents."

"MIT has no real 'independent student' as defined by any set of rules. We require a financial statement from all parents in

order to determine a student's need."

"Now, however," Bowe continued, "College students are getting further and further away from the 'traditional' student. He is not always as closely tied to his parents for financial support and in fact may have been separated from them for quite a while."

Bowe cited her representation of MIT at a College Entrance Examination Board (CEEB) sponsored convention on independent students as an example of the Institute's "willingness to look at new ideas."

"We tried to do two things at the convention," Bowe commented, "to define a set of rules and guidelines for determining what an independent student is and to find funds to fit that definition."

"This last problem is one we're looking at very closely here. Practically any change away from determining need by the parents income is going to put a heavy strain on our aid money... I don't know if we could raise so much more, so it'll most probably come down to a question of how best to distribute what we already have."

Bowe mentioned several alternatives which had been discussed at the convention including a plan whereby a student could declare himself independent of his parents but would only be eligible for loans, not direct aid. Another plan would classify Freshmen as being totally dependent financially on their parents, sophomores less so, and so on. Such a plan would allow these semi-independent students to receive financial aid.

According to Bowe the

National Student Association (a national lobby) was present at the conference and called for the colleges to continue determining need on the basis of parent's income. "Their position rather surprised me as I had expected them to be more concerned about those students whose parents could afford to but do not support them past their majority (now 18). In fact I heard very little said throughout the whole convention about their problem."

Bowe also said that the convention expressed its disapproval of the federal definition of an independent student as set by the United States Office of Education. This definition lists independent students as those who no longer live in their parents' home for more than two weeks in any given year, are not listed as exemptions on their parents' Federal Income tax returns and receive less than six hundred dollars per year, including such items as clothes and medical care.

"We use the federal definition," Bowe said, "in determining eligibility for the government's Basic Educational Opportunity Grants but not for our own purposes. It simply serves to drive a wedge between students and their families."

"I think the federal definition will most probably stay the same for at least this year but, in their keynote address they made it very clear that they are looking for new opinions... The thing they didn't offer is any more money."

Bowe said that the convention "sharpened people's awareness of the problem... Now we just have to be as fair as possible with what we have."

Blacks hold conference at MIT



The second annual Black Conference on Science and Technology, organized by MIT black students, was held last Friday and Saturday at the Institute. The Conference, which was attended by an estimated 300 blacks, started out with a keynote address in Kresge Friday afternoon by Dean Percy Pierre of the Howard University School of Engineering (shown at left). Workshop sessions on Saturday dealt with topics such as Communications, Community Resources, Health Care Systems, and Sociology of Science. The Conference concluded with African Night events on Saturday night, which featured an African dinner.

Photo by Roger Goldstein

Scheir named to Elect Com

By Bill Conklin

Cambridge City Manager James Sullivan announced his appointment of Sondra Scheir to the Election Commission at the Cambridge City Council meeting last night.

Sullivan, who took office April 1, selected Scheir from three nominees elected at the Democratic City Committee meeting in March (see *The Tech* March 5). The other two nominees were Thomas Neel and Vincent Panico.

Scheir will be joining Constance Milton (Rep.), Chairman, Francis Burns (Dem.), Executive Secretary, and Edward Samp (Rep.) on the commission.

"I would hope that the four

of us could work together to be somewhat more efficient in some areas than in the past," commented Scheir.

Scheir stated that she would like to "spearhead" this improvement as the newest member of the commission, providing a "fresher" outlook on the situation.

Last year the Cambridge City Council passed a law making college dormitories legal domicile, thus alleviating the registration problems MIT students have had in the past. "The Cambridge bill extending legal domicile to college dorms is overshadowed by the state 'affidavit' law which goes into effect June 1," stated Scheir. "Under this law, all that any person has to

do is fill out and sign a sworn affidavit that he or she is a resident of Cambridge, and unless someone can contest the affidavit and prove it false, he or she can register to vote."

"The main challenge is in getting information out to those who aren't registered, but are eligible to vote," she continued. "Because of the many changes in the laws in the last two or three years, many people just aren't aware of the basic things like qualifications, and when and where to register and vote."

The annual street listing, a yearly census taken in Cambridge, is another area in need of upgrading, in Scheir's opinion. "The annual listing needs a great deal of improvement," said Scheir. "On this basis, the number of representatives in the state legislature and in Congress, and the allocation of funds is decided. Many state fundings in particular are on a per capita basis."

In the past, the police department has taken almost sole jurisdiction in taking the census although the police department and the Election Commission were intended to work on it together, according to Scheir.

"Last year the street listing came up with far less people than it had the previous year," she explained. "This led to all sorts of rumblings about the number of representatives in the state legislature. I think everybody involved is susceptible to some improvement there."

Draper labs picketed:

arguments, but no fights

By Jules Mollere

The conclusion reached by one of the fourteen Harvard and Radcliffe students and single MIT student picketing Draper Labs last Friday was that, "We started Vietnam and made it possible. The people here are directly responsible for that country's destruction."

The demonstrators arrived at

the front entrance at 65 Albany street carrying placards with the legends "Technology for peace, not killing." and "Genocide is a lousy business." They then divided up so as to distribute literature at both the main and shipping entrances on Albany street and at the entrance to another building on nearby Os-

(Please turn to page 9)

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Forgeries force re-election

(Continued from page 1)

Matzka '76, explained that more than 60 ballots had been suspected as forgeries; they were found in groups, each ballot in a group having "nearly identical" handwriting, ink, pen used, and folding.

The Election Committee refused to disclose which candidate the stuffed ballots favored, and was not sure who stuffed them. Speculation also flourishes on whether the people who forged the ballots voted for their candidates or an opposing slate in hopes that the latter would be eliminated by the committee.

The Election Committee had

Zimmerman confesses; wrote thursday article

Undergraduate Association President candidate Bob Zimmerman '76 told *The Tech* early Monday that he was the author of a front-page article in last week's *thursday* that endorsed his candidacy.

Zimmerman told *The Tech*, "I wrote the article" several days after insisting he had "absolutely no hand whatsoever" in writing the piece that compared the three UAP candidates and ended in the endorsement.

Earlier, Zimmerman called *The Tech's* reporting of charges he had authored the article "an

attempt to discredit my campaign." The *thursday* article appeared under the byline "Bert Andersen," *thursday* editors told *The Tech* they knew before running the article that there was no student at MIT named Bert Andersen. They added that they were told Zimmerman's roommate, Brian Lustbader '75, had written the story.

Last week's issue of *Thursday* rekindled the election controversy. Labeling Michel, Zimmerman, and Wallman, respectively, "a jock, a pervert, and a tur-

key," the lead article penned each candidate, but closed in favor of Zimmerman. It implied that Michel's fraternity brothers had stuffed the ballot and indicated that each of Wallman's previous positions were failures. Turning to Zimmerman, it accused him of lacking taste due his use of streaking as a campaign tool, but ended in his endorsement.

The next day, the editorial page of *The Tech* (April 19) contained a letter from a member of the *thursday* staff, in which he told of the removal of his name as co-author of the above *thursday* article. He defended Steve Wallman against the accusations made in that article, and announced his "irrevocable resignation from the staff of *thursday*."

Lustbader said Sunday night he had written the article and placed a false byline on it so that "I wouldn't be getting all sorts of phone calls and harassment about it." He said he had not been urged by anyone to write the *thursday* story, and the only information he received from Zimmerman pertained to the candidate's background.

Zimmerman maintained his position that Lustbader had written the article until he contacted *The Tech* early Monday.

INTERACTIVE LECTURES

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WILL HOLD HEARINGS
Wednesday, April 24.

(Room 400 - Student Center)

to place Undergraduates on the following committees:

Committee on Equal Opportunity

IAP Policy Committee

MIT - Wellesley Exchange Committee

Please call the UA Secretary for an appointment

X3-2696

NOTES

* 4.051 Creative Photography I Lottery: Sign up at the Photo Lab (W31-310) from Wednesday, May 1 through Wednesday, May 8. Names of winners will be posted Friday, May 10.

* Former 6.071 students, Help your fellow man/woman. There are no more copies of Senturia and Wedlock, Electronic Circuits and Applications available, and some students still need copies. If you are willing to loan or sell your copy (1973 REVISED EDITION ONLY), please contact Mrs. Stone, x3-4637, Rm 13-3057.

* UROP will have a summer program again this year. Eligibility will be limited to undergraduates who are continuing ongoing UROP projects. Support for research and personal expenses will be awarded according to the usual UROP proposal procedures and negotiations.

Such proposals are now welcome, and should be submitted through the faculty supervisor's department UROP Coordinator. Award decisions will not begin until the end of April. Summer proposals will receive priority according to the date of receipt in the UROP office and evidence of faculty enthusiasm for the proposed activity.

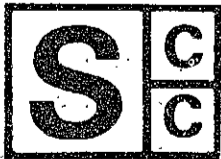
A new option this summer includes the case where a faculty member agrees to support the full wages of a student. By submission of a suitable proposal to UROP, overhead charges on these wages can be waived. Call the UROP office for more information on this option.

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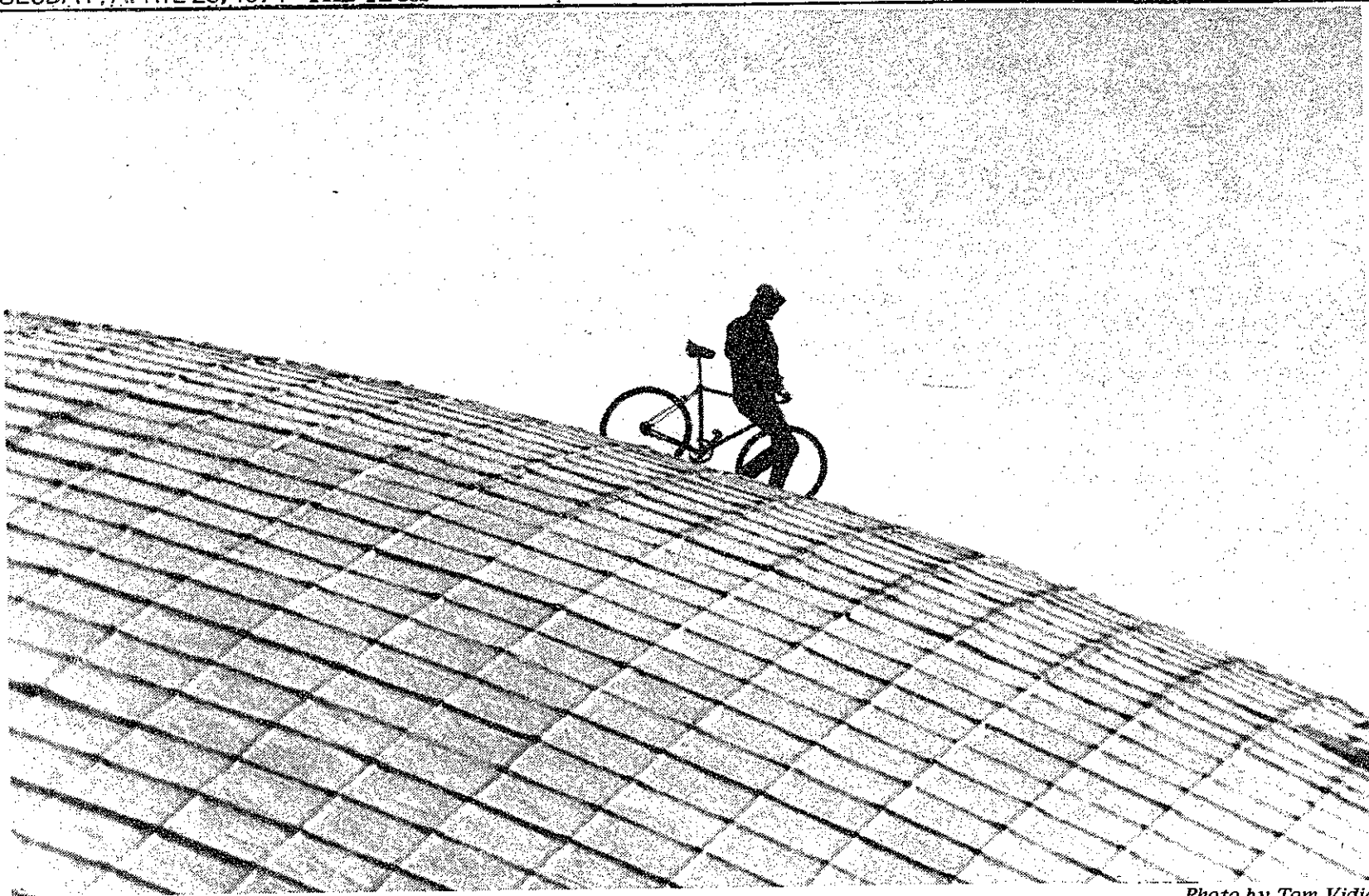


Photo by Tom Vidic

Kaleidoscope '74

through the camera's eye

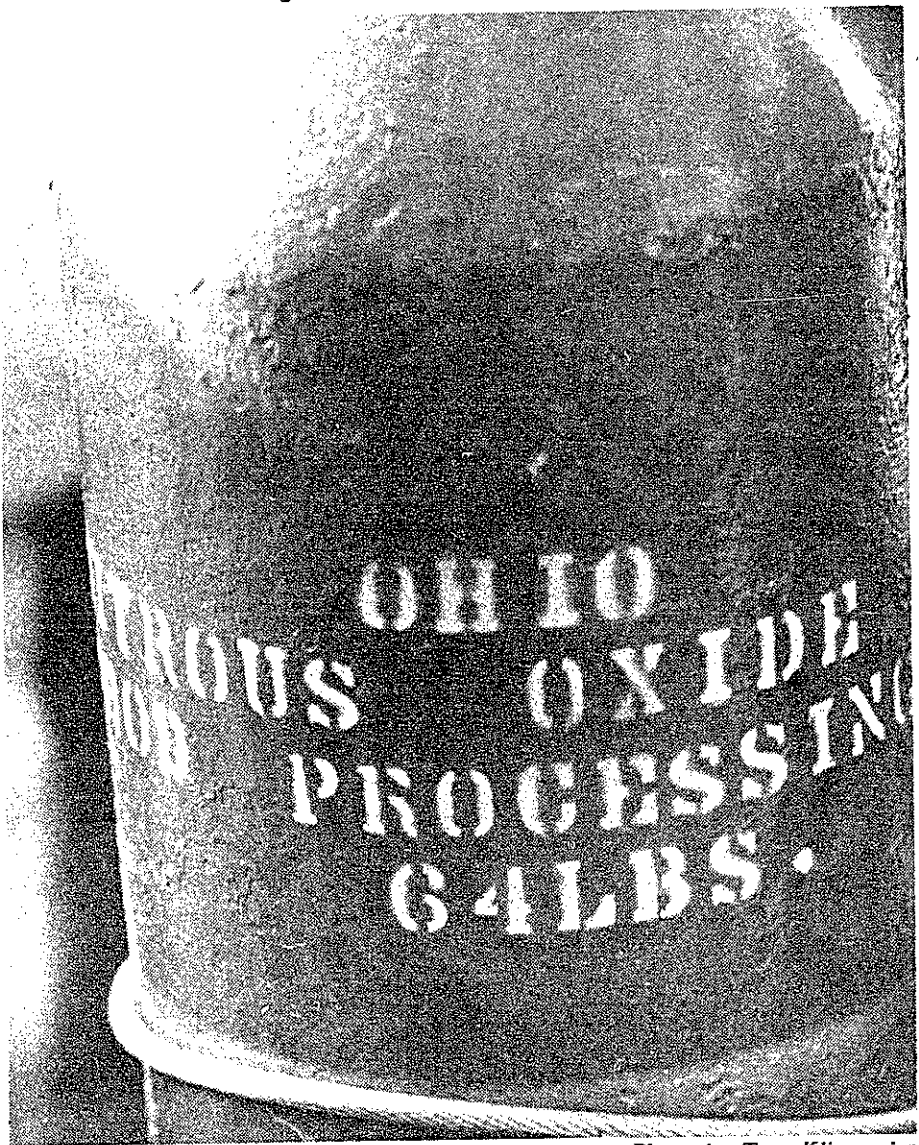


Photo by Tom Klimowicz



Photo by Tom Klimowicz



The MIT Festival Jazz Band, entertaining at Kaleidoscope. (Left to right: Joe Valen, Leon Rivchun, Halbert White)

Photo by Roger Goldstein

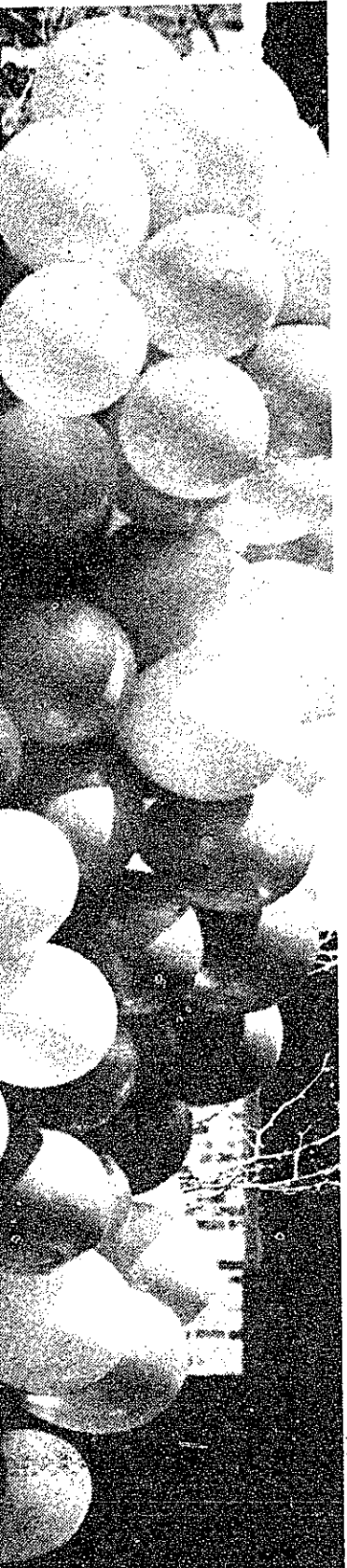


Photo by Rich Reihl



Housing and Dining administrator Art Beals was the lucky recipient of this year's Big Screw, nosing out Professor of Mathematics Gian-Carlo Rota.
Photo by Rich Reihl



Photo by Rich Reihl



DU's sponsored a "Car Smash" Saturday afternoon, charging a quarter for five chances to vent your aggressions.
Photo by Tom Klimowicz



Photo by Tom Klimowicz



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Photo by Rich Reihl

The Aerosmith concert Saturday night was the high point of the two days of Kaleidoscope. An estimated 2000 people danced and drank free beer for four hours while the Campus Patrol and student marshalls struggled to keep urchins out of Rockwell Cage. The concert left two things (besides tipsy students) in its wake - a debt of approximately \$6000 to be picked up by various activities and organizations, and piles of debris to be picked up by Physical Plant.



Photo by Rich Reihl

**In Case of Insomnia—
Nuclear power:
Why it's needed
and its safety**

By Storm Kauffman

The existence of nuclear power plants and the accelerating growth of nuclear power has raised serious questions about the necessity of the plants and the safety of those already operating.

The two primary questions are: "Do we need to have nuclear power plants on a large scale, if at all?" and "Are nuclear plants safe enough?"

The answer to the first question is a resounding "Yes!" There are several reasons why nuclear power must and will replace extensive use of fossil fuels for power generation.

First of all, our fossil reserves are greatly limited. The scarcity of petroleum and natural gas is a well publicized fact. True, the US does have extensive coal reserves that could conceivably be burned to produce power, but at what price?

The only feasible method of extracting coal in sufficient quantities is strip-mining (deep-mining is too slow and costly in terms of money and human life). However, strip-mining causes horrible destruction of the land from which the coal is drawn. No matter how willing the mining company is to spend money to restore the land, there are certain devastating effects that can only be righted by long periods of time. In an era when the world needs every acre of food-producing land to feed its billions of people, there can be no excuse for destroying the farming potential of millions of acres.

Then, there is also the pollution caused by the combustion of coal. While extremely costly processes can be developed and utilized to remove the sulfur that forms sulfur dioxide, combustion will always produce massive quantities of nitrous oxides, carbon monoxide, and carbon dioxide. The effect that these have on the environment is not yet clear, but it is certain that they are harmful to some extent.

The only short-term option is the use of nuclear power, which, though it has its own special hazards, produces no chemical air pollution and involves only modest mining efforts.

So, the second question, safety. The answer is "no," reactors are not safe enough, but then neither are cars or planes. As long as the possibility (however remote) exists for harm to human life, a device is not safe enough.

But reactors, as they are now built, are safe. AEC experts and others in the field have assessed the chance of an accident affecting the public welfare at less than one in ten-thousand reactor-years before special safety systems are installed. The inclusion of safety systems probably reduces the risk to less than one in a million reactor-years (1000 reactors operating for 1000 years would have one bad incident).

Even the staunchest advocate of nuclear power agrees with his critics that a bad incident could be catastrophic, so work must continue to reduce these miniscule chances to the infinitesimal. As the cost of other energy sources increases, industry should be more willing to spend increasing amounts on this necessary work, thus taking some of the load off the AEC.

The foremost area of research should be the disposal of the intensely radioactive wastes, the nuclear "ashes." A safe and permanent method for disposing of these wastes is yet to be developed, but it will be needed before the century ends.

While we need to build and operate reactors now and can feel confident of their safety, we must not take future safety for granted.

Commentary:

The UA needs two approaches

By Curtis Reeves

The vote is in: of the people that I talked to, those with close ties to the Undergraduate Association disliked my last column, and everybody else thought it was pretty good. This disparity is unfortunate, for the implied difference in point of view between UA officials and the rest of the student body explains, in large part, why the UA is not the organization that many of us would like it to be.

Now it would be one thing to dwell on this as an "I told you so," but many of the UA's problems stem from just this kind of bickering, for it is always easier to complain and harshly criticize than to be supportive and look for ways to make things better. This is my complaint of *The Tech's* usual treatment of UA matters: that you always read about the ills, and never about the remedy. If the UA's problems are important enough to deserve comment in the first place, their solutions certainly rate a little thought as well.

So, having done some sniping of my own, it is time to deliver a few comments from the other side of the coin.

For beneath the frustration and bitterness voiced a week ago, is an undying belief in the UA as an organization with great potential in the areas of social interaction, discipline, evaluation of academic services and facilities, and information dissemination, as well as its ongoing provision of experience and leadership training for its officers.

The training is a rough one too, for the UA Presidency is a somewhat glorious, essentially powerless position. Several years of internal struggle have split the UA into several totally autonomous factions.

(One might have hoped that the Dean's Office would notice the shape of things and take some action, since they are the ones to dole out Finboard's funds, and have put themselves in a very prominent position vis-a-vis the student activities, but in light of their treatment of student enterprise, this could not be expected. For example, it has been clear to Finboard for many years that if they did not give substantial funds to the Debate Society, the money would be taken from their budget and given to the debaters, anyway. It might be contended

Commentary:

UAP needs ability, commitment

By Derrick Vlad

There are many rumors that circulate, usually around election time, about the significance of the role of the UAP. These have been perpetuated only because there has been little effort by outgoing UAP's to confirm or deny them, and by the time the elections are over, the rumors largely disappear for another year.

To be perfectly realistic, the UAP, though the elected head of "student government," governs no one. Rather, he is given the privilege to sit on two student faculty committees (the Activities Development Board and the Corporation Joint Advisory Committee), to speak (not vote) at faculty meetings and to be a representative in cases where obtaining a larger sampling of students is not possible.

A person elected to the position of UAP is not given any significant "power"; rather, he must create his own. The Undergraduate Association is in a state now where each incoming UAP must prove himself worthy of representing students. The office, by nature, provides the tools to do this. But the person holding the office must know how to use

that the Dean's Office is not there to act on such matters, but they certainly enter situations when they feel it necessary, and might try to mediate when it becomes clear that the students involved are not working toward reasonable solutions. If not, then the concept of the Office of the Dean for Student Affairs is a farce, and something more useful should take its place.)

Presently, the UAP has no say in finances, and for all practical purposes, has no budget of his own, save what he can talk Finboard into setting aside. This he must often do within days of his election; and, of course, he can only spend the money with Finboard's approval. Finboard was originally conceived as the UA's financial advisors, not their dollar dictators, and returning to that system does not seem unreasonable. At any rate, more latitude should be given to the UAP and his staff in spending funds for social events, since this is one of the things that students justifiably expect the UAP to provide.

Certainly, money is no cure-all, and can be a great evil when misused, but without it, or with so many strings attached to its use, very little ever gets done.

Usually, in fact, by the time one develops a feeling for being able to accomplish anything, his term of office has expired. And even if most UAP's were not seniors, few would think of running twice. The job, at times, can be a living hell, and the rewards are not that great. Especially around election time.

Expanding in two directions

Although most people can tell you that much less than half the student body votes in UA elections, few bother to note that last year the number of ballots was up 45 percent over the year preceeding it; this was a number some 400 greater than this year's election. The reason for this surge (or for the candidacy of the Spring Collective, which probably had the larger effect on the number of votes) is that the UA, in that year, had improved its image as an organization that people could approach with their problems, and through this transformation, the post of UAP became more than just a haven for greasy student politicians and was once again a recognized means for dealing with the student malaise.

them.

In order to be effective as a UAP, though, there are two very necessary qualifications. The first is ability. The only way to measure this is by determining whether someone is being realistic with his promises. This can only be achieved by someone who has had experience enough to realize how many constraints are imposed on the UAP, and has ideas about how to work within them or eliminate them. The UA has for too long lived on promises that sound good but prove too unfeasible. The second is commitment, and the only proof there is to offer of one's sincerity in his commitment to the UA is through past accomplishments.

In essence, the UAP's job is what he makes of it. Anyone can claim they want to change things in the UA. It's not all that difficult to come up with ideas that are new and sound impressive. But it's just as easy to, once elected, forget them all, and just a fruitless to find out how unrealistic many of them really are.

Derrick Vlad, with Linda Tufts, is the current Co-President of the Undergraduate Association.

The Tufts/Vlad administration made efforts to provide an internal structure, but these went largely unnoticed by the student body, and the image faded. It would have been interesting to see if the Collective could have kept it going, but of course, we will never know.

For anything of lasting value, both approaches are needed: the outward, friendly ability to be concerned with individual matters, and the administrative competence to continue the push for internal structure, started by Tufts and Vlad. Of the two frontrunners in the current race, Michel carries the air of being the friendly type (which people generally admire, which is the reason he did so well on the first and second ballots of the invalidated election), and Wallman has shown, time and again, his administrative adeptness.

Assuming that one of them wins, it is hoped that the other can be pulled into the organization, for only through a combination of their talents, or skills like theirs, will the UA ever come to fully realize its potential; only then will the pulse of the UA beat along with that of everyone else.

Curtis Reeves is a former UAP and a member of *The Tech's* News staff.

Continuous News Service

The Tech

Since 1881

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THE WIZARD OF ID

by Brant Parker and Johnny Hart



The Wizard of Id appears daily and Sunday in *The Boston Globe*

Commentary:

Smoking and rights: being fair to the majority

By David Gordon Wilson

The word "rights" can raise hackles on all sides. We all agree that a person has a right to be free. There's a vision of the perfect state — living on the frontier, in the wilderness, on a desert island. There, one's rights are almost limitless.

As soon as people live closely enough together to interact frequently, they lose some of their individual freedoms. They have to, or otherwise anarchy results. They mutually agree not to dump wastes into each others' water supply; not to start fires in the forests; to travel on the right of the highway. The "rights" of people to do or not to do these things are circumscribed for the good of the community — of their neighbors. Some of these rules of behavior are easily agreed upon, because they involve little cost to any party. Choosing between travelling on the left or the right is a no-cost decision for a country about to start its first highway construction. In contrast, agreeing not to start fires in the forests may produce hardships on people who live in the woods and who want to burn their trash.

In any case it is always easier for society to allow than to proscribe an activity. The concept that people have a right not to have their environment polluted is relatively new as a generality, although there have been laws prohibiting dumping since pre-Biblical times.

What has all this got to do with nonsmokers' rights? Simply that the right of the nonsmoker to breathe unpolluted air has not yet been established by law. It is a right which is in conflict. If it is granted, others' rights — the claimed right to smoke — have to be limited.

To most nonsmokers, the idea that someone else has a right to pollute the air which they have to breathe is nonsensical. To the smoker, the right to smoke is drawn from the centuries in which man has lived with tobacco, and the millions of years he has lived with fire.

There are no absolutes to which to refer to solve this conflict. Agreement must be reached through discussion, education, and possibly by democratic vote.

If it came to a vote, the nonsmokers would win — if they all voted together. Approximately 58 percent of adult men and 70 percent of adult women do not smoke.

But is voting the right way? Sometimes it can be a vehicle for imposing the whims of the majority on to a harmless minority.

A scientific way of determining which rights should prevail would be to add up the costs and benefits of alternative courses of action and to go for the one having the greatest net benefit.

Not all the data are clear yet. But enough are known to be able to tot up some rough figures. Here are some areas in which costs and benefits could be calculated:

— The harm which smoking does to

smokers themselves is now generally recognized (except by tobacco companies). But the costs of the resulting illness and death are borne largely by the smokers themselves and by their families. We have little right to interfere in their own private decisions in this area.

— Smoking in public places results in greatly increased costs for ventilation, heating, air-conditioning, litter cleanup and janitorial services generally. Smoking is also responsible for significant proportions of home fires in this country.

— And smoking affects nonsmokers in various ways. Most nonsmokers — a government survey puts the figure at 75 percent — would prefer not to have to live and breathe in smoke-permeated air. They find it unattractive, if not actually obnoxious, to have their clothes, belongings, curtains and so on always smelling of stale tobacco smoke.

— Many nonsmokers were found in a government survey to have stronger reasons for objecting to smoky air. Eye irritation was experienced by no less than 69% of nonallergic individuals; headache by 31.6%; nausea by 9.2% and dizziness by 6.4%.

In contrast, the benefits of public smoking go solely to the smokers themselves and to the tobacco industry.

There seems to be a lop-sided argument in favor of banning smoking in public places. But bans — the denial of activities seen as rights by another group — are invidious to legislate. One group which has been working most effectively to promote anti-smoking legislation has been ASH.

Action on Smoking and Health was started by a young MIT engineer-turned-lawyer, John Banzhaf, who burst into national prominence by his successful case to the Federal Communications Commission, first to require TV stations to give free air time for anti-smoking commercials, and then to ban cigarette advertisements altogether. Since then ASH has helped to bring about requirements that airlines set aside nonsmoking sections. It is moving to bring about a similar rule for interstate buses and trains.

ASH recognized that there were several effective organizations working to educate smokers to the danger of their habit to their own health. ASH has most effectively brought to public notice the dangers of smoking to nonsmokers. It is doing this partly through the passage of public laws and regulations. ASH is also changing public fashion.

It is becoming no longer the "in" thing to smoke. It is as simple as that.

David Gordon Wilson is a professor of mechanical engineering and is Executive Director of ASH (Action on Smoking and Health). He was also the organizer of a 1972 petition drive to request that President Jerome Wiesner ban smoking in public areas of the Institute (The Tech, April 2, 1972).

Letters to The Tech

Writing at MIT

To the Editor:

I would like to comment on the statement in Storm Kauffman's article [The Tech March 19] on Communication that "enrollment in [writing] classes is usually not large." In fact, most writing classes are limited to 12 or 15, the largest number that can be taught in a class of this kind; however the number of sections taught has risen each year. This term alone, six extra sections of writing courses are being taught — two in Professor Rathbone's class in technical writing, one in poetry, one in prose, and two in Sandy Kaye's fiction writing class. These sections were added by Dean Hanham in response to student enrollments at the beginning of the term; several of them are being taught on a part time basis by writers who do not have regular faculty status. As of now, therefore, the demand for these courses far exceeds the regular, full-time faculty available to teach them. Students, in other words, are interested also.

Patricia Cumming
Asst. Professor of Humanities

SCC replies

To the Editor:

We the undersigned members of the Student Center Committee would like to respond to the erroneous statements published in the lead "news" article in last week's *thursday*. (Excerpts are reprinted below.)

"Steve Wallman is the typical greasy politician... He's got lots of titles... but upon further investigation these only prove to be mirages of an oasis in a desert. In fact, the only thing this proves is the total ineptness of Wallman and inability to run anything effectively... Wallman at best is a figurehead and could easily be replaced by a typewriter and an answering service. Anything done by the SCC is through the direct work of a subordinate, while Mr. Wallman hangs around to reap the benefits and plaudits."

We disagree!

thursday has correctly published a partial list of the positions held by Wallman. Considering its length, we cannot comprehend the author's stand on Wallman's supposed inexperience. While we cannot respond to some of the charges against him which dealt with his involvements with other activities (e.g. R/O Committee), we feel that our years of experience of working with Wallman on various projects put us in a good position to comment on the motives and abilities he has shown in his work with the SCC.

The author of the *thursday* article equates grease with Wallman's long list of titles. Does he also equate that list with the hundreds of hours of work and many responsibilities associated with these positions?

No one in recent SCC history has held the chairmanship for an entire term of office. Wallman has proved an exception. He not only endured one year of hard

work, but volunteered to return to the chairmanship several months later when his successor unexpectedly resigned. His re-election, a unanimous one, would not have occurred had he only been a "figurehead" as charged by the author. The article's charge that Wallman accepts the credit for work done by his subordinates totally ignores the fact that a chairman's job is not to singlehandedly conduct all activities, but rather to act largely as a coordinator and organizer. Further, although his post does not require it, he has been active in almost all the SCC's activities (including 24 Hour Coffeehouse, Mid-Nite Movies, concerts, and lectures) and has been the prime mover in many. We feel that he has done at least as much work as any other member of the Committee, and more than most.

The Student Center Committee is probably better organized now than it has been in the past four or five years. It certainly has more ongoing activities now than at any time in its past. No small amount of credit for this has to go to Steve Wallman, who has unselfishly donated much of his time, energy, and abilities to working with the SCC to help make it a more effective instrument to serve the needs of the community.

Anne Averbach Paul Mailman
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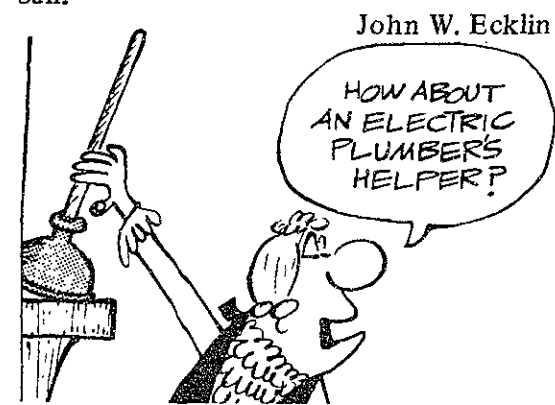
Magic magnets

To the Editor:

I am amazed at the concern and ingenuity of MIT readers of *The Tech*. From the blind ad "Brain Teaser" I ran on March 1, 1974, I have already heard from five people.

Please be advised I know about the first law of thermodynamics and do not believe it is violated for two reasons: 1. There is energy in a magnet's field. 2. Springs prevent a heat loss.

Except in one case, whenever you attach a magnet to a window or other nonmagnetic material and move another similar magnet, steel ball, steel springs or piece of flat iron within this magnet's field, forces will be conservative. The exception is to have springs arranged so they are compressed as the magnet attracts the steel ball horizontally to it. Now when you insert the flat iron between the ball and the magnet, the forces on the ball are conservative. The iron absorbs most of the magnet's field, the steel ball is no longer as strongly magnetized and the springs repel the steel ball.



Commentary:

UA is 'an umbrella of organizations, interests . . .'

By Steve Wallman and Jim Moody

What amazes us most is how petty this election and campaign have gotten. Numerous mailbox, stuffings and posters have dominated the scene. They all said pretty much the same thing, groovy vibes, mom, and apple pie... a new UA, a better UA. Issues of personality and power politics have been raised. Discussion about what the UA can do, or should do, have been replaced by the candidates cutting down each other, and the press (and virtually everyone else) cutting down the UA, and student government in general (although this is nothing new). Name-calling ("Jock, Pervert, and Turkey") has become the accepted (and expected) practice. We can talk for hours about the injustice in the White House, and the Watergate affair, but look what happens. A college election has to be declared invalid because of vote fraud and ballot stuffing.

The media squabble continues. The papers are filled with hundreds of inches about elections and candidates, about which supposedly nobody cares anyway. There are articles about articles, phoney by-lines, charges and counter charges.

People are too eager to destroy, to criticize, to find fault. To do so, without any attempt to build up, to help out, to offer constructive suggestions is aimless, and doesn't get anybody anywhere.

If you think the UA does nothing, and the UAP is a farce, just don't bother voting in the upcoming election. The world will still exist; the Student Center won't fall down; MIT may even be able to continue its operations without a UA or UAP.

But, the UA is not a 4th floor office, or a five member committee, it is the Undergraduate Association, an association of 4000 undergraduates, associated with the common purpose of making life for these four years more pleasant and more meaningful. The UA comprises these 4000 undergraduates, over 120 clubs, organizations, and activities to which they belong, six committees that handle the community services of social events, nominations, computer time, educational policy input, and loose governmental structure; and 65 students on faculty committees.

What the role of the UA President and Vice-president is in this hodge-podge of

loosely defined organizational structure is a good question. What powers does the UAP have? Questions like these have gone unanswered for the past few years.

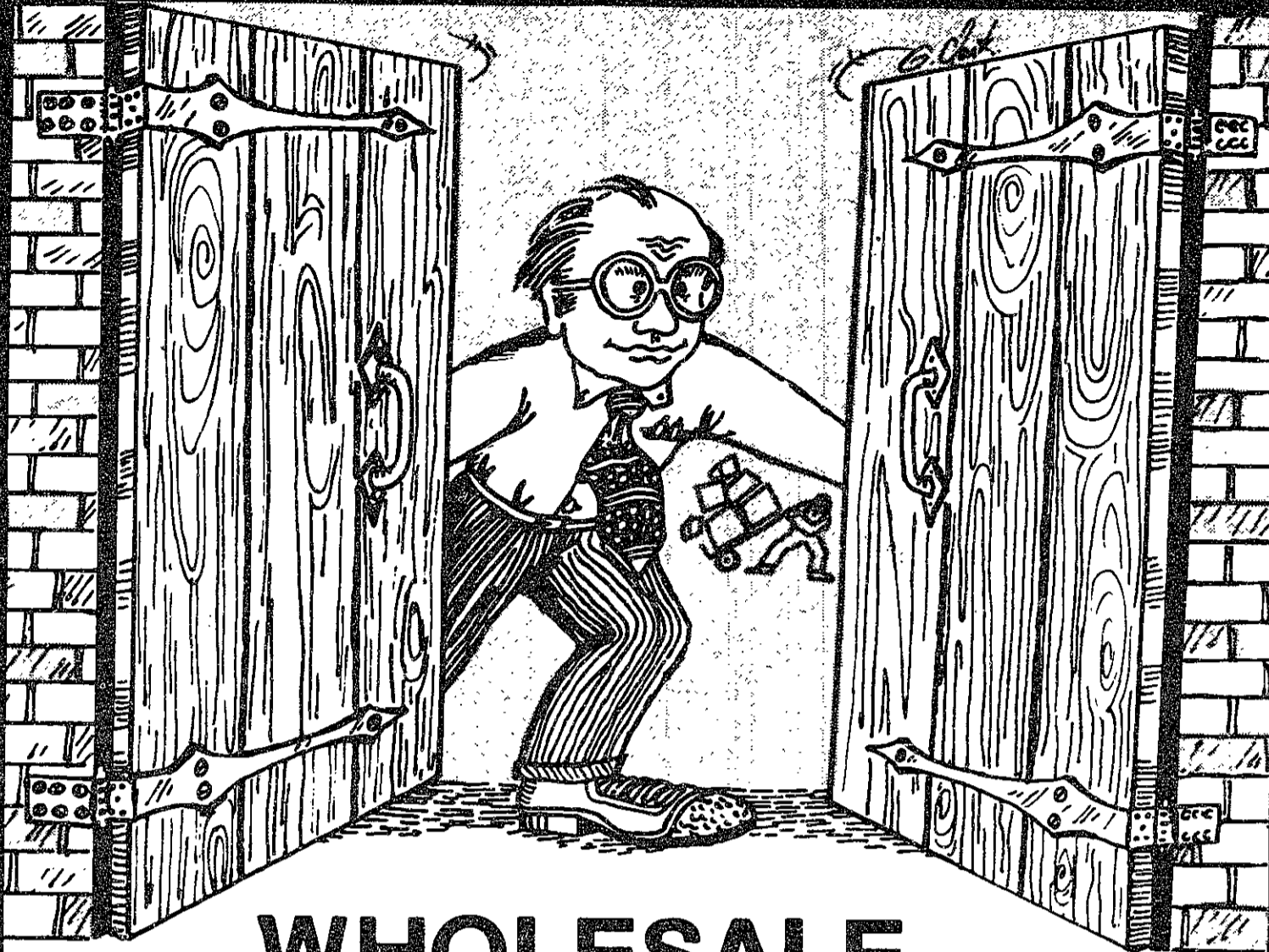
The "UA" is viewed as just another committee, rather than as an umbrella of organizations, interests, and committees. This lack of definition has accounted for the complaints that the UA does nothing, that it is a bunch of greasy politicians. It has accounted for the immense frustration of the past three UAP's, as well as their lack of visibility. Student government means student services, the movies, parties, concerts, theatrical production, athletics, blood drives, and all of the thousands of extracurricular events that take place on the campus. The UAP/UAVP can play a very big role in coordinating people and resources, organizing a representative government, encouraging new ideas and generally helping people in any way they can.

We want the chance to work for you, to firmly establish this new role for the UAP/UAVP. Our past experience (SCC Chairman, R/O Chairman, Nominations Committee Chairman, Baker House Presi-

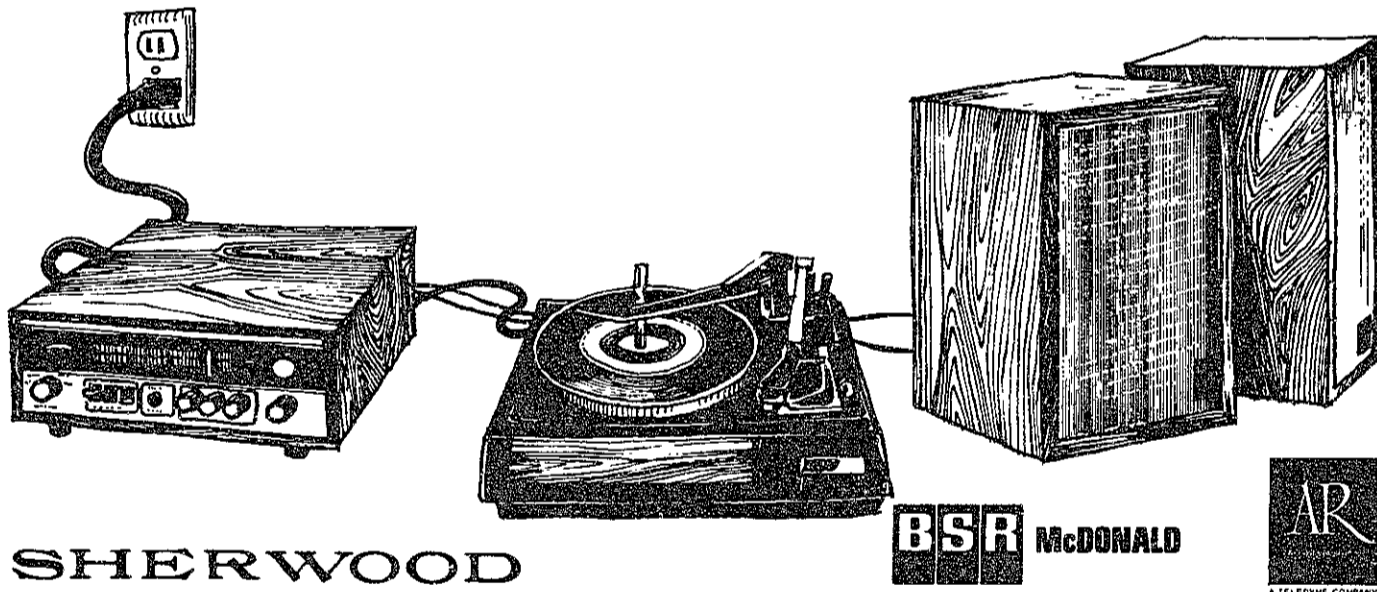
dent) will help us toward this goal. Some of the things on which we will work include: more campus-wide big weekend social events, more money for UROP and easier entry into UROP programs during the term, help organize departmental stu-fac committees, correct the upcoming policy that eliminates work-study returns at the departmental level, the initiation of a summer job placement service, publicize and increase the various academic exchanges (e.g. Harvard), food and fuel co-ops for fraternities and dorms, and the straightening out of decisions such as the PiKA coed problem.

These are the things that we know an active UA can accomplish, people can cut down student government all they like; but there is no doubt that parts of it have done things in the past, as we have done things in the future. Let's have a little action, let's have some people out there care a little bit. You can think that it is a farce, but it only takes a few minutes to vote. The chance for a lot of good things to happen is there. Please vote.

Wallman/Moody is a UAP/UA VP slate.



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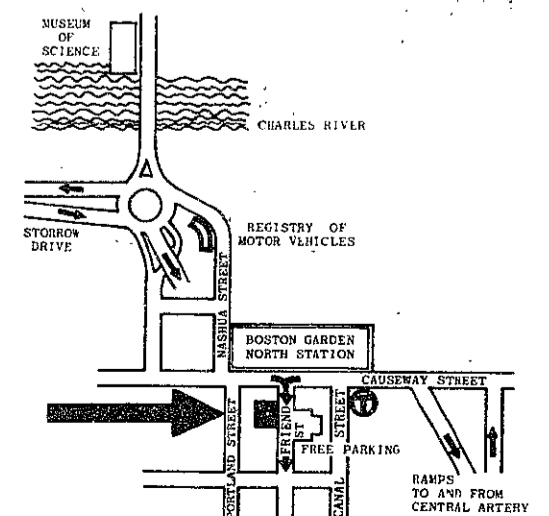
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Demonstrators protest weapons usage

(Continued from page 2)

born street. The literature asking the workers of Draper Labs to stop their "complicity in the war crimes of our leaders... and leave weapons work behind you" had an immediate effect at the entrance on Osborn street; a person stopped to discuss the issue with the picketers. The discussion went as follows: "... You can't really want us to unilaterally disarm."

"If unilateral disarmament means that we stop building these hideous weapons, then I do want it."

"Then you're very naive. I'm all for disarmament but not just by ourselves."

"You don't get disarmament by making bigger and better weapons."

"If we didn't have them Russia would be over here in no time flat."

"You say you're against geno-

cide, yet you devote your life to frying people. I just can't believe you."

"My life is not dedicated to frying people, it helps to deter that."

"Are you going to personally

guarantee that these weapons won't be used?"

The time reached 5:20, exactly one hour after the picket line formed and the demonstrators adjourned to Twenty Chimneys for some beer.

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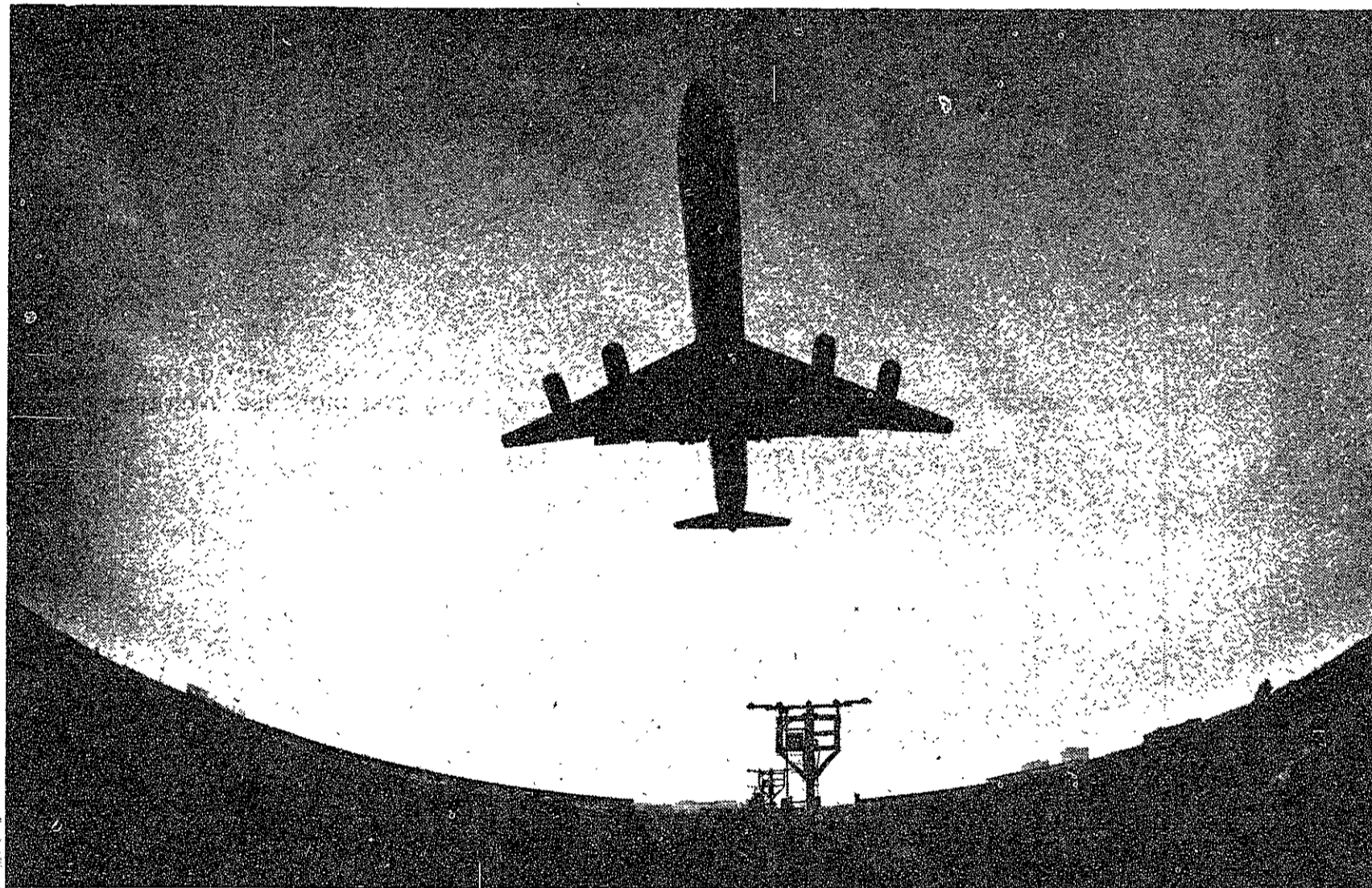


MITV News has prepared it's first full-length documentary program. It is entitled "WELCOME TO THE COMPLEX PLANE"

It is all about what went on last weekend at Kaleidoscope. If you were there, maybe it will bring back pleasant memories. If you missed it, see what you missed by not being there.

It's not going to be like our regular show, which will be shown Friday from 9am to 3pm. (No item much over 90 seconds except the feature at the end. Have you seen it yet? Why not?) Bldg 7 lobby

WELCOME TO THE COMPLEX PLANE will be shown from Noon until 2 pm (continuously, show lasts about 30 minutes) in 9-150, Thursday. 9-150, THURSDAY, NOON until 2 PM A VIDEO RECORD OF KALEIDOSCOPE.



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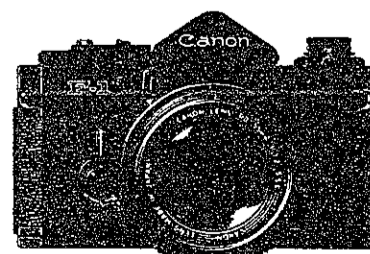
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Sports

HC rallies to defeat lacrosse

(Continued from page 12)
 Although MIT suffered a general letdown in play in the second half, the major reason for their collapse was defense. Time after time Holy Cross was able to convert a long clearing pass into a fast break goal. The Crusaders seemed to be throwing the ball around almost at will in the latter stages of the half as the Engineers appeared both tired and demoralized by the tremendous HC offensive effort.

Glenn Pinkerton '75 has apparently developed into a good face-off man, as he won seven of nine in the first half before going down with the MIT cause in the

final thirty minutes (2-12). The Engineers cleared the ball a respectable 63% in the first half, before dropping under .500 in the second.

MIT must travel north to face a tough UNH team before returning home for a game against Trinity Saturday afternoon at 2:00.

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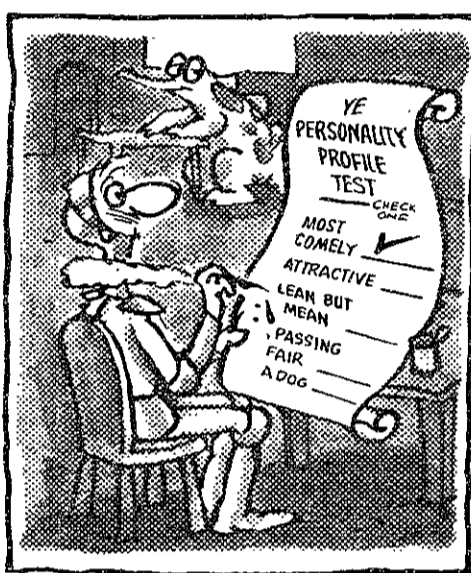
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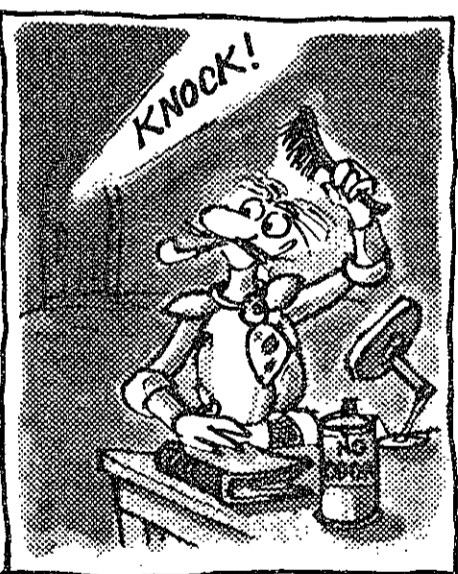
AND SOON, HE DID FALL INTO FANTASY MOST CHAUVINISTIC.



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Wednesday, April 24 in Lobby 10 9:00-5:00

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Sports

Beavers win 3 of 4; 7-2 start best ever

By Dan Gantt and Lawrence D. David
After two weeks of inactivity following a successful spring trip to Florida, MIT's varsity baseball team finally made its debut against northern competition last week, winning three of four and improving its record to 7-2, MIT's best start ever. The Beavers defeated Suffolk, 8-1, Wesleyan, 15-8, and Tufts, 9-2, with only a 3-1 loss to the Greater Boston League favorite Harvard marring the week.

Perfectly timed New England rain had managed to wash out the first four games on the schedule and even caused the Suffolk encounter to be curtailed after four and a half innings. However, the skies were beautiful and the weather warm for last Wednesday's Greater Boston League opener against Harvard. Maybe it should have rained.

The Crimson scored two runs in the bottom of the first without the benefit of a hit and never relinquished the lead. MIT starter and loser Dave Yauch '76 walked four batters and was only able to retire two men before being relieved by Mike Royal '76 in that fateful first inning.

But for an extremely controversial call, Yauch very easily might have come through the inning unscathed. With the bases loaded and one out, first baseman Herb Kummer '75 attempted a first-to-second-to-first double play. A safe call on the relay throw, however, brought Coach Fran O'Brien off the Beaver bench, but the argument was in vain.

From that point on the game was a pitchers' duel as Royal and his Harvard opposite mowed down batter after batter, each allowing only three hits.

A seventh-inning single by Mike Dziekan '76, followed by a passed ball, a fly to right, and a Harvard error led to MIT's only run.

Suffolk should have brought umbrellas to Briggs Field on April 13 instead of gloves, as the Boston club appeared to be totally outclassed by the Beavers. Playing in a steady rain from the outset, MIT plated two runs in the second and six in the third to nail down win number five of the season.

Second baseman Dave Tirrell '74 with two singles and designated hitter Dan Sundberg '77 with a triple and a single led the Beavers' attack while Yauch allowed only three hits in recording his second win of the season.

Wesleyan took a 3-0 lead in the first inning of last Friday's game on four walks and a hit batsman by Beaver starter Don Proper '76 and a juggled ground ball by third baseman Vince Maconi '76. Kenny Smith '77 was sent in to relieve and

worked out of the bases-loaded, no-out jam by getting the next three batters on a foul pop-up and two subsequent fielder's choices.

The MIT riposte was merciless. Sixteen Beavers paraded to the plate in the first inning, the first ten scoring. Only after eleven runs, eight hits, five walks, two errors, a wild pitch, a sacrifice fly, and three Wesleyan hurlers was the inning to end. Tirrell had a two-run double, Vince Maconi a bases-loaded double, and Kevin Rowland '74 two run-batted-in singles in the onslaught.

The game was wrapped up, but Kenny Smith had his troubles in the next three innings, giving up five runs before being relieved by John Cavolowsky '76 with the bases loaded and two out in the fourth.

Cavolowsky, a support cast still on his twice-broken left arm, fired third strikes past the next two batters to end the jam. From then on Cavolowsky was masterful, pitching five more innings of shutout relief, an outstanding comeback from an injury that threatened to sideline him for the entire season.

Tufts scratched out an unearned first-inning run and then the Beaver bats boomed, socking away a 9-2 decision Saturday at Tufts.

The torrid Dave Tirrell boosted his batting average with a 3-for-5 day, one run, a stolen base, and two runs-batted-in. Mike Dziekan also went 3-for-5 with a run scored and one RBI, as well as initiating two double plays.

David Yauch recovered quite well from the Harvard game, twirling a three-hitter with both Tufts runs unearned, improving his record to 3-2 and lowering his ERA to 1.71.

Next home appearance by the Beavers will be this Saturday in a one o'clock doubleheader against one of MIT's toughest opponents this year, Coast Guard.

Lacrosse loses fifth 13-7 as HC erases 4-0 deficit

By Glenn Brownstein,
For twelve minutes Saturday afternoon things looked very bright for MIT's varsity lacrosse team as they had just pumped in four goals against Holy Cross. However, fate proved to be fickle as HC steamrolled the Engineers the rest of the way, winning by an embarrassing score of 13-7. The sudden turn of events dropped MIT's record to 0-5.

MIT, coming off a decisive loss to an excellent Bowdoin squad, appeared to be up for the game and proved it in the first period, totally dominating play and keeping the ball in the Crusader zone. At 5:09 of the period, co-captain George Braun '75 dodged two HC defenders and fired the ball past the Crusader goalie for a 1-0 MIT lead, the first time that the Engineers had been ahead all year.

Braun, Evan Schwartz '75, and John Rueter '74 followed with three more scores within the next seven minutes of the quarter, and the Engineers appeared to be on their way to an easy victory, Holy Cross countered with a goal late in the period, but MIT still seemed to be in excellent shape.

In the second period, HC gave the Engineers a taste of the onslaught that took place in the second half, scoring two quick goals before Braun tallied his third goal of the game giving MIT a brief respite. Holy Cross managed to put one more in the Engineer net before the half ended, though, and the Engineers clung tenuously to a 5-4 halftime edge.

The second half was a nightmare for MIT, as Holy Cross attackmen Claude Priolet, Bill Moriority, and Jim Davidson put on a veritable three-man show, picking up seven out of nine Crusader second-half goals and

adding seven assists (counting the first half, the three tallied eleven goals and eleven assists) to demolish the Engineer hopes. Co-captain Braun did all he could to stem the tide, scoring twice more to round out an exceptional five-goal day.

(Please turn to page 11)

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