

Markham elected new UAP

By Tricia Kellison

Newly-elected Undergraduate Association President (UAP) Chuck Markham '81, and his running mate Nick Adams '81, swept Wednesday's elections with a first-round win gathering over 52 percent of the vote — the first time this has happened since the preferential balloting system was introduced in 1977.

Markham and Adams both feel their success was largely due to making a campaign issue of being determined to "get people involved." Student involvement is the key to a healthy undergraduate attitude at MIT, said Markham. He explained, "I'd like to see a lot of people doing a lot of things." One of his goals will be to totally open up and reorganize the UA office, getting "more people running in and out of it than just the president and vice-president."

His first concern as UAP will be to try to ease the strains caused

by the election. "I'd like to get everyone to work who wants to work — especially those candidates who lost elections since they've shown the kind of interest and initiative we could use." Adams echoed Markham's feelings, saying "we've got a lot of projects in mind, and we've gotten a lot of positive response — now all we need is people."

A "good working relationship with the administration" is also important to them, and they feel they have a good head start in this area already. They are looking forward to setting up some sort of arrangement to meet with the administration on a regular basis.

Another way they have suggested of strengthening the communication between students and the Institute is the formation of a client team concerned with the needs of the main buildings on campus, much like the client teams already established in the dormitories. Markham is also op-

timistic about talking with the new Dean for Student Affairs, Shirley McBay, "since we are both new at our jobs we should be able to help each other."

Markham and Adams are very excited about the establishment of a student consumer interest group on campus. They hope it will work to provide services such as end-of-term bus charters, a 24-hour typing service, a refrigerator rental program and an unbiased consumer evaluation of local banks. They want to emphasize the idea that the UA was created for the benefit of the undergraduate students at MIT. In Adams' words, "We'd like to get people working with us for MIT's benefit, for the communities' benefit, for everyone's benefit."



New UAP Chuck Markham and his UAVP Nick Adams broke out the champagne upon receiving news of their victory. (Photo by Richard Parker)

New COD policies approved

By Randy Haskins

Several new policies were implemented by the Committee on Discipline at Wednesday's faculty meeting. Under the new rules, when a student is placed on probation, the Committee will decide whether to notify his faculty advisor, his housemaster, or both. In the past, no one was specifically notified of the action, but it was automatically written into his external transcript. The new guidelines also allow the Committee to decide whether to put this information in the student's external transcript.

Professor Leon Groisser, the chairman of the Committee, outlined the changes. The reason external transcript was specified is because each student has an internal transcript used by anyone in the Institute requesting one, while the external transcript is sent to anyone outside the Institute. People inside the Institute also have access to external transcripts, however.

Commenting on the reason for the change, Professor Groisser said that students typically don't

tell their housemasters or advisors since they usually figure out that no one finds out about the hearing. This was bad, he said, since in many cases a faculty member on the student's side could be an asset in the hearing. By publicizing that faculty members may be advised of his probation, the student will be more likely to tell either his housemaster or advisor, allowing them to help. "I don't think the old system used these faculty members to their fullest advantage," said Groisser. He also noted the options allowed more flexibility in meeting the needs of the particular case. "Every case is different," he said.

Other changes included policy dealing with suspension and expulsion, which are rarely issued. Now if a student is suspended, he may re-apply after the suspension period, through the Office of the Dean for Student Affairs instead of having to go through the COD,

depending on what was specified at the hearing. Expulsions may be reviewed after two years, but the automatic lifting of expulsion after ten years has been eliminated. When a student is expelled from MIT, it is assumed that he will not continue his education here, unless granted an appeal.

It is not expected that the rules regarding suspension and expulsion will be used much, according to Groisser, as formal probation is only given about three times in any year. More often, a student is put on informal probation, and no one would be notified even under the new rules. According to Groisser, the biggest problem is, "there is no way to inform the students as to what the COD is and does. If we came out during rush week with a set of rules and guidelines, the students would feel threatened." He said that the new

(Please turn to page 9)

UA ELECTION RESULTS

<i>Undergraduate Association President/Vice President</i>	
Chuck Markham/Nick Adams	870
Jenny Ford/Craig Hawkins	279
Mike Gerardi/Charles Garrett	203
Jon Hakala/David Lingelbach	154
Other	109
TOTAL	1615

	1980	1981
<i>President</i>	Chuck Irwin	Mitchell Brook
<i>Vice President</i>	Frank Wojtowicz	Lynn Radlauer
<i>Secretary</i>	Ken Turkewitz	George Dowd
<i>Execomm</i>	Debra Utko	Laura Dugan
	Lesley Zaugg	Anne Keenan
	Cindy Reedy	Lynn Muradian

	1982	1983
<i>President</i>	Charles Frankel	Steven Silberberg
<i>Vice President</i>	Mark Walker	Sarah Gavit
<i>Secretary</i>	Angie Liao	Nancy Douglas
<i>Execomm</i>	Anita Sircar	John DeRubeis
	Chris Johansen	Kenneth Dumas
	Gary Kratkiewicz	Ann Tulintseff

SCC overruled by GA

By Richard Salz

The General Assembly (GA) voted 15 to 12 last night to direct the Student Center Committee (SCC) to reverse a previous motion denying the Technology Community Association (TCA) the use of weekend space in the Student Center to hold blood drives.

In addressing the GA, newly-elected Undergraduate Association President (UAP) Chuck Markham '81 said, "I'm sad this confrontation is the big thing on the agenda; it's a shame." While addressing the GA, Markham was hit in the face with a pie by someone who escaped in a car driven by Mike Gerardi '81, also a candidate in last Wednesday's UAP race.

Last summer, someone from TCA contacted SCC about scheduling the spring blood drive. The two regular SCC scheduling officers were out, and the person present gave TCA permission to use the Sala de Puerto for the weekends involved, according to Chris Wheeler '81, SCC chairman.

In March, the committee passed a motion designed to reemphasize the "standard SCC policy that we do not schedule blood drives on weekends, and that SCC not give the [requested] dates to TCA for the fall drive."

The intent was to deny TCA the use of the Sala only, said Wheeler. He explained, "We're not saying TCA doesn't deserve space, we're saying it doesn't deserve that prime space during

Florida taken off UA party itinerary

By John Shiroma

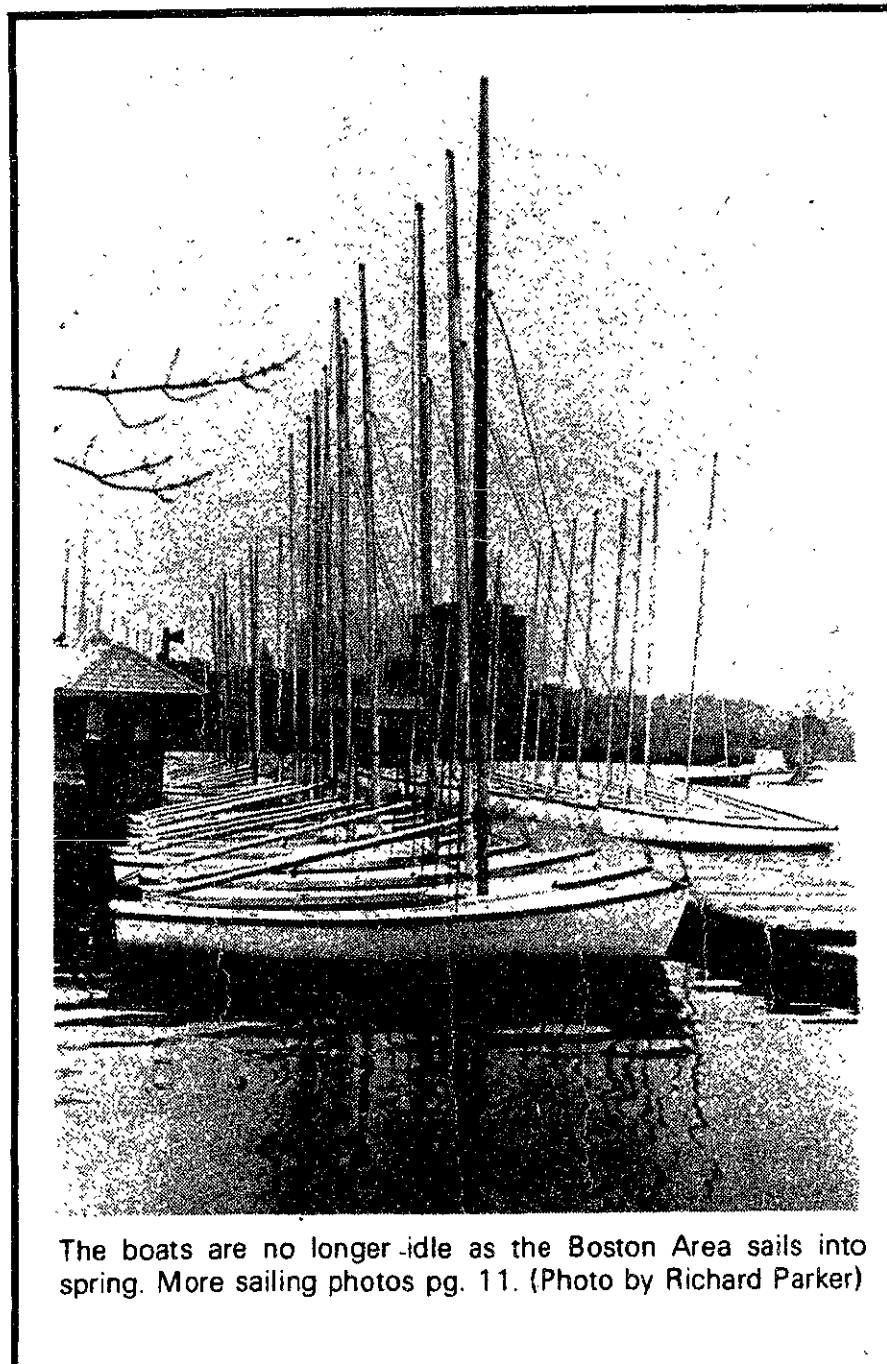
Contrary to advance publicity, the UA-sponsored "Bon-Voyage" champagne party scheduled for tonight in Walker Memorial will proceed without the admission charge of two dollars or the raffle prize trip for two to Fort Lauderdale, according to Bob Stone, UA Social Committee Chairman. The committee learned on Tuesday that to

the weekend." Present SCC policy gives free social events the highest priority. This is partially mandated because it's "in the Student Center Building charter," noted Sue Fine '81 SCC member.

Said Jim Murray '82, chairman of the this spring's blood drive, "TCA is convinced there is no possible way to run a blood drive [on the fourth floor of the Student Center] which will encourage donors."

proceed with the raffle would be illegal. MIT does not have the required Massachusetts license to hold non-profit gambling, and according to Bob Halfman and Bob Holden, Associate Deans for Student Affairs, MIT will not apply for one. Said Holden, "The license law was set up primarily for charities, and I don't know if this kind of thing [the party-affle] could be dignified as

(Please turn to page 2)



The boats are no longer idle as the Boston Area sails into spring. More sailing photos pg. 11. (Photo by Richard Parker)

news roundup

Solar System

Pluto's moon possibly a planet — New observations of Pluto and the surrounding neighborhood have shown that a recently-discovered moon of that planet, tentatively named Charon, may be so big it is a planet rather than a moon. If true, this means Pluto and Charon form a double planet system — the only such system with bodies of so similar size in the solar system.

World

Iran food embargo expected — President Carter will impose an embargo on food shipments to Iran this morning, according to White House officials. Food and Medicine were exempted when the President stopped trade and severed relations with Iran on April 17. He is also planning to appeal to US allies to embargo their food shipments as well.

Nation

Court rules in favor of rights — The US Supreme Court ruled 5-4 yesterday that local government bodies such as school boards and cities may be held liable for alleged violations of constitutional rights. The ruling is expected to make it easier for individuals to win damages for actions such as police brutality and student dismissals and followed by a day a ruling extending the Fourth Amendment, saying police had to obtain a warrant before entering an individual's house to arrest him.

—By Richard Salz

Weather

Mostly sunny and mild today with highs 58-62. Clear and cool tonight with lows dropping to near 40. Continued pleasant weather over the weekend. High near 60, lows near 45 both Saturday and Sunday with little chance of rain until Monday.

—By James Franklin

MIT, UA are ineligible for license

(Continued from page 1)

charitable." Halfman added, "It's an area in which I see no reason why the Institute should care to be involved."

After being informed about the illegality, the committee felt it had gone too far and the advertisements had been up too long to cancel the party.

MIT did not apply for a license in this case because the kind of one-shot raffle planned by the UA was not in the spirit of the law. Apparently the licenses are primarily issued to charitable organizations consistently holding gambling events. The licenses are issued on an annual basis, and neither MIT nor the UA is a charitable organization.

The party features the band "Shane Champagne", who has been broadcast over WCOZ. Free beer and munchies will be served, college ID required.

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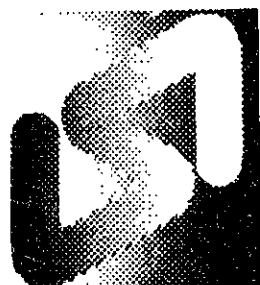
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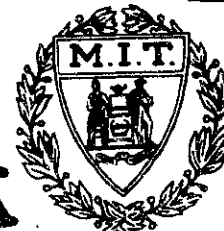
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Feature

Interferon at MIT, the fight against cancer

By Stuart Canton

Recently, much public attention has been focussed on a possible wonder drug for cancer victims called "interferon".

One of the reasons for the excitement over interferon, commonly called IF, is that techniques have been developed enabling interferon to be produced on a mass scale and at a reasonable price. This technique has been developed here at MIT in the Department of Nutrition and Food Science.

Interferon is a naturally-occurring substance produced by virus-infected cells. The interferon is then transmitted to neighboring cells which produce antiviral proteins to prevent the virus from reproducing and attacking other cells.

Interferon was first discovered in 1957 by virologists Alick Isaacs and Jean Lindenmann in London; but one of the major reasons for it not becoming a commonly used drug is the inability to mass-produce it. Many tests have been done on cancer victims, and the results were favorable; yet there is very little interferon to work with. According to Prof. Bill Thilly of the Department of Nutrition and Food Science, interferon had to be extracted from cells which were not easy to produce in mass quantities.

In the past, cells would be cultivated on the insides of bottles, which were constantly spun to cause the cells to adhere to the sides. Anthony van Wezel developed an alternate method in the last decade for growing cells on tiny microcarriers in a dilute solution.

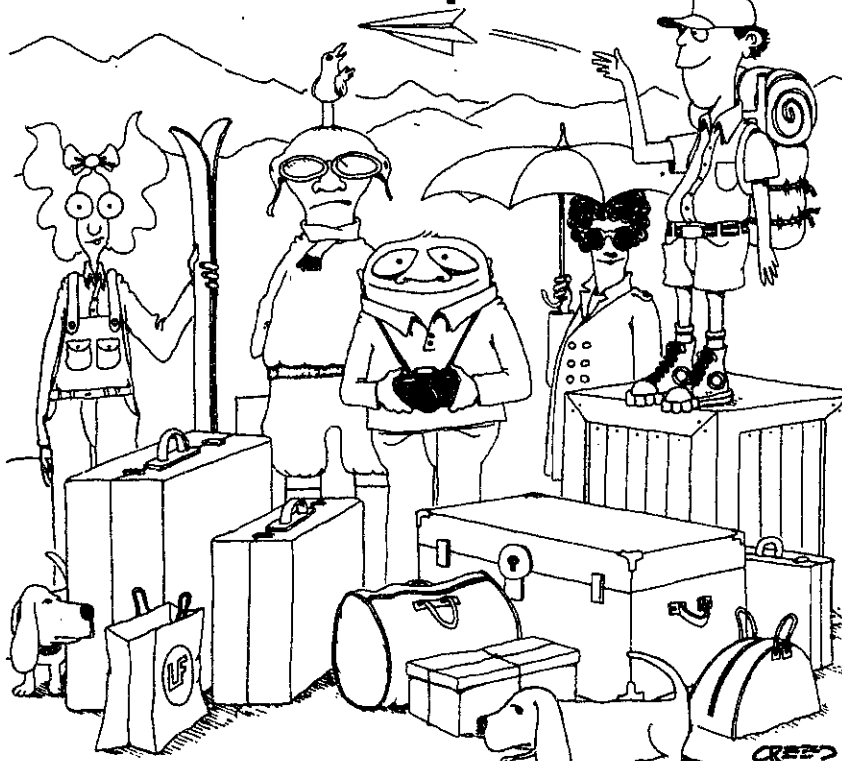
When microcarriers were first developed, the cells could not stay alive long enough to be useful. Since September, 1975, a group at MIT has refined the process of microcarriers so they could efficiently cultivate surviving cells. The group of four — David Levine, Bill Thilly, Daniel I.C. Wang, and Jason S. Wong — had worked on this project for about two years.

Having overcome the drawbacks of microcarriers, MIT has patented the process in the U.S. and several foreign countries; one of the major companies to invest in this process is Flow Laboratories, currently one of the major manufacturers of interferon.

According to Thilly, the efficient production of interferon is not going to give present cancer victims an immediate cure. Thilly is not overly optimistic about interferon because the samples used for experimentation on cancerous tissue was only about point one percent pure, so the results might have been due to any number of the impurities. Nevertheless, it has been proven that interferon does fight against viral infection, and its anti-viral effects seem to be quite conclusive.

Research for using interferon against cancer is still very active at MIT. Donald J. Giard, director of the Cell Culture Center and Robert Fleischaker are very much involved in the cancer research of interferon. There are many types of interferon produced from different types of cells. With the efficient method of producing interferon, experiments in its purification and effects can really gather momentum.

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HOW GM "PROJECT CENTERS" CREATE CARS

FROM CONCEPT TO CUSTOMER IN THREE YEARS AND THREE BILLION DOLLARS

Throughout the history of the automobile industry, product change was almost always evolutionary. But in 1973, GM determined that the times required revolutionary changes. It started its first Project Center—which by itself heralded a revolution in the use of science and technology to meet the changing demands of the marketplace. A few months later, the Arab countries launched the oil embargo. Fortunately, machinery was already in motion in GM to create and develop new cars and components in a new way and faster than ever before.

GM's first Project Center brought out totally new full-size cars: smaller, yet roomier, and far more efficient than their predecessors. The advertisements said they were "designed and engineered for a changing world"—and they were. Another Project Center, begun in 1975, developed the immensely popular GM X-cars.

Led by the five car divisions, Project Centers gather people, ideas, and knowledge from all 30 divisions and staffs of General Motors. In the first stage, which we call "concepting," experimental engineers, environmental scientists, forward planners, and marketing experts pool their thinking. Their objective: what the marketplace will require. This is the most important stage. Here we must determine not only what

kind of car, but how many we might be able to build and sell years later. Economics, customer tastes, availability of various kinds of fuels must be compared with state-of-the-art technology—and what steps must be taken to advance that technology quickly yet surely.

In the "concepting" stage, a new car is conceived. If the car is to be sold to customers three years later, construction of new plants must begin and basic tooling must be ordered.

The second phase of the Project Center takes 24 to 30 months. It encompasses development, design, structural analysis, handling analysis, emissions, noise and vibration, safety, reliability, serviceability and repairability, manufacturing, assembly, marketing, financing.

Advanced product engineers and research scientists work with the one hundred fifty to two hundred people at the Project Center and thousands more in the staffs and divisions to transfer new science and technology to the new car. Components are hand-built and "cobbled" into existing models for road testing.

Prototype cars are hand-built at a cost of more than \$250,000 each. These enable the Project Center team to determine how newly developed, pretested components operate as a unit. Then, pilot models will be built from production tooling and tested some more. New technology, such as structural analysis by computer, saves

time. Lead time has been reduced by 25% from ten years ago, when cars were far less complex.

After almost four million miles, nearly three billion dollars, and nearly three years of work, the new cars—quite unlike anything before them—start coming off the production line at a rate of better than one a minute.

There are now eight Project Centers in General Motors. Four are developing new cars using hydrocarbon fuels, one is creating an electric car, and others are working on computerized engines and emission controls, a new kind of automatic transmission, and the inflatable restraint system.

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Steve Solnick

Separatism at two Ivy schools

(Second in a series)

A number of incidents of alleged "institutional racism" on the Harvard campus which were discussed last week have led to calls for a Third World Center at Harvard.

Are the racial incidents which have resulted in these calls the exception or the rule at that august institution? This week we will look at the day-to-day atmosphere at both Harvard and its sister in the Ivy League, Princeton, where a Third World Center was established in 1971.

Harvard. The overall impression one gets from talking to Harvard students is that blacks and whites form, in general, two separate cultures. According to Lisa Davis '81, Secretary-General of the Harvard Black Students' Association (BSA), "A lot of students are racist and don't want to face up to it." Separation between blacks and whites exists, but there is considerable debate about which group is at fault in this respect — if, in fact, this can be called a true fault.

Davis' view seems representative of many blacks: "People accuse us constantly of separating ourselves but white students view it as incumbent on black students to come and integrate groups of whites." White students contacted at Harvard commented only that black students tended to associate with other black students, but seemed very reluctant to judge who was more responsible to initiate contact.

Are Harvard living arrangements segregated? Dining halls certainly are, with blacks and whites usually choosing to sit at different tables (there are obviously many exceptions to this rule). Says Davis again, "Since white students are racist, why should we sit at a table with all whites and subject ourselves to strange looks?" Again, bridging the gap presents itself as the root of the problem.

In the living halls, Dean of Housing Tom Dingman said the dormitories "aren't at all segregated. Black students live in all of the houses." He added, however, that "three or four of the houses have sizeable populations of black students but they are not segregated within the houses." He said the BSA did not get involved in the housing process at Harvard. In Harvard's preference lottery for dormitories, 88 percent of the students got one of their first three choices, according to Dingman, "but there is nothing like a black house."

Davis points, however, to the finals clubs which serve as the cornerstone of a large part of the Harvard social scene. According to Davis, these selective clubs are "99 percent white." Also, the one dormitory with the largest black population, Currier House, has been the site of a large number of race-relations meetings.

Which group is separating itself from the other, then? According to Davis, "blacks are not as hostile to whites in their environment" as the other way around. Whites will, and do, contend the opposite. Administration members call racial relations a "real challenge to the college."

Princeton. The Third World Center at Princeton is housed in a small building just off campus. Its Board of Governors sponsors a large series of programs on minority concerns "to enhance the cultural experience of the whole community." Third World Newsletter staffer Mike Barney adds, however, that these events are rarely attended by anyone but Third World students.

Most students contacted agreed there was "little mixing" between races at Princeton, although there seems little mention of any overt racism. Interestingly, a large number of students felt that the source of the separation between racial groups was the different social tastes of those involved. Princeton is, remember, a rather isolated campus and most social life is consequently campus-oriented.

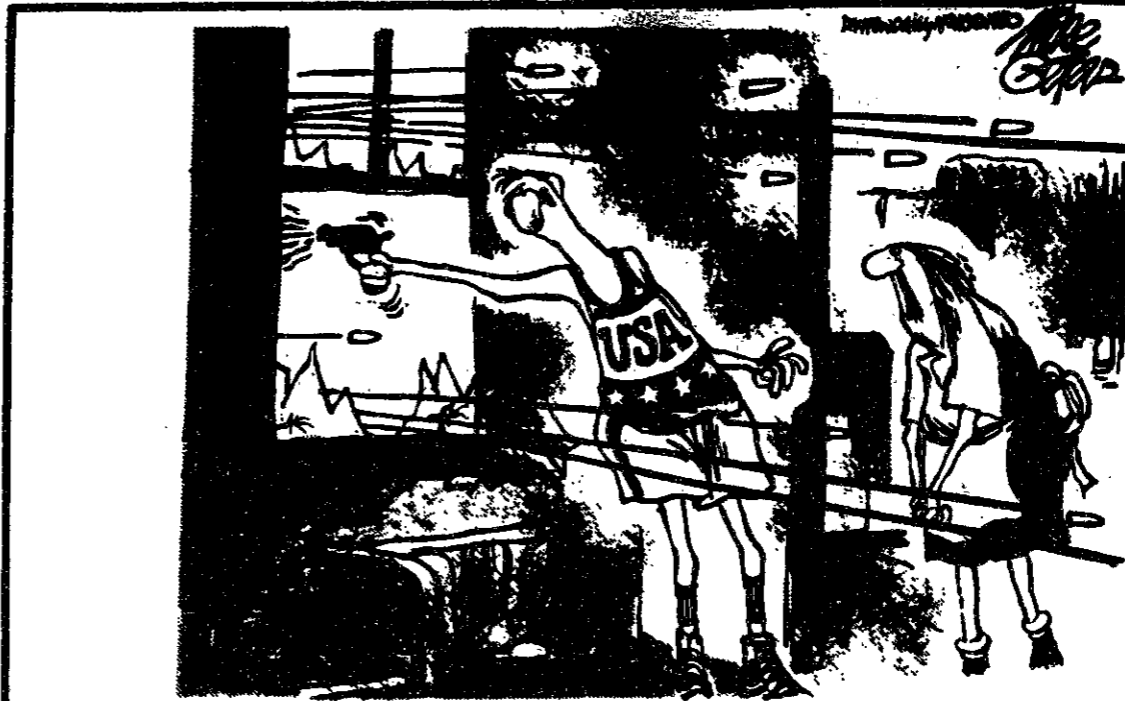
Barney commented that "both groups (blacks and whites) don't take the initiative." One board member of the *Princetonian* made a similar comment: "Whites don't seem to make the effort to get to know blacks and vice versa." He added, "Princeton has a social system which blacks feel has not suited their needs."

The social system at Princeton centers around the "eating clubs." One student said, "Blacks choose in disproportionate numbers not to join eating clubs." Barney concurred, indicating that blacks have a tendency to cluster in the two residential colleges at Princeton. Interestingly, some students felt that the selective eating clubs had higher percentages of black students on the whole.

Here again we find tales of dining halls with groups of only black students eating together, although this separatism seems less prevalent in the dormitories, outside the residential colleges.

Is this separatism good for the college? Said one black student: "I wonder how much we are learning about other cultures and how much we are being mainstreamed into a predominantly white society." One white student: "Many blacks may feel whites simply don't understand the special needs of black students."

Next week: MIT



FOR GODS SAKE, LEON, IF THE JUSTICE DEPT. DOESNT WANT YOU GOING TO THE OLYMPICS... THEN DON'T GO!

→ feedback

Pool opening was neglected

To the Editor:

As president of the MIT Athletic Association, I responded to a need to provide more open swimming time for students. As it stands now, the periods available are either inconvenient or very crowded. Dean Phillips '80 obtained the financial backing to open the pool all of the remaining Sundays of this term from 12 to 4 from Dormcon and the UA.

We hoped to prove to Physical Plant (who actually staffs and opens the pool) that there was sufficient interest to keep the pool open. A survey done by the athletic department found that all local colleges contacted opened their pools on Sundays.

Bill Dickson, director of Physical Plant, agreed to open the pool on the last three Sundays of April, from 12 to 4 as an experiment. He did not feel he had the staffing to open it all Sundays. If enough people turned out, he would consider opening it next year on Sundays. He agreed to pay for the experiment, as he felt if the pool should be opened, it would, I agreed to publicize the experiment.

On Sunday, April 6, I talked to Bob Host, one of the sports editors. I brought over the information but Rich Auchus, the other sports editor, felt he should only run a sporting notice on Tuesday and a story on Friday. At his urging, I agreed to write the story.

There were no sporting notices in Tuesday's issue. Not only was the pool experiment not announced, neither was an invitation to students to meet with the Corporation Visiting Committee on Athletics.

Nevertheless, Dean attempted to submit the story on Wednesday. Host said that there was not enough room. Steve Solnick, editor-in-chief upheld Host's opinion. The story was not run.

I awaited Friday's story with great anticipation, so I could read all of the important news that filled the issue. Sports was allotted less than one half of a page. They kindly announced "The pool will be open the next three Sundays from 12 to 4 (for open swimming) on an experimental basis." Arts was given 2 pages (one person had 2 different articles!). The news pages told us of events that were not to occur for one and three weeks.

By not running an article about the pool on Friday, *The Tech* has certainly reduced the number of people that might have shown up this past weekend. Since this is only a three week experiment, its

chance of success is certainly reduced.

As this campus's only regular student newspaper, *The Tech* has a responsibility to inform students of upcoming events of interest. By not running an article on the pool, they have jeopardized the possibility of it being open on Sundays next year. Only with a strong turnout on the

Commencement woes

To the Editor:

Since I was "unavailable for comment" when Julie Tiao wrote the article on Commencement for Tuesday's issue (sorry about that!) I thought I'd take this opportunity to put in my two cents.

I must admit I was very upset about the Commencement Committee's decision not to hold an indoor commencement in the event of rain. Originally I thought it was just plain stupid not to rent chairs for the Cage as they did last year. This decision was made by the Educational Council, I believe, last summer. And even if MIT could not afford to do this — which I for one don't believe — I felt that we could have an abbreviated indoor ceremony. This could just include the procession, President Wiesner's speech, and the presentation of the class gift. Most people, I think, could stand for 45 minutes or so. To make the cage less crowded and more comfortable we could have limited it to two people per graduate, which is not unreasonable.

Professor Kassakian, however, did not agree with my suggestion. He seemed to be worried about his mother being short and not being able to see unless she was near the front (which, of course, would cause our parents to reenact the Who Concert incident) and that his grandmother might collapse if she had to stand at all in the hot, humid, dusty Rockwell Cage. I guess I was the only one at the CC meetings who realized that neither his mother nor his grandmother were invited to our commencement. I also got the feeling that he was really un-

remaining two Sundays will physical plant consider it. So if you come back next year and find the pool not open on Sundays, thank *The Tech*.

Peter W. Lemme '80

Editor's note: The Tech makes no guarantees that a story will run and stands by its previous decision that the announcement in question merited a Sporting Notice.

derestimating our parents' mental and physical capacities. My opinions were therefore ignored.

This annoyed me particularly because I was supposedly an ex officio but full-fledged member of the CC to provide the "voice of the seniors". I spoke with many people and all agreed with me that there had to be some sort of indoor-ceremony, which I told to the CC. It seemed to do no good except to make them all think I was a rebel without a cause and to give Professor Gerry Wilson (the chairman), and a few other members of the committee, a chance to joke about the fact that I felt my parents, and many others, were "young" enough to live through an hour in the cage (which just showed me how mature professors and administrators are!).

(They even had the nerve to put me on a special subcommittee to "resolve" the backup situation, which ignored the possibilities of the cage and sent out a ridiculous letter about having Commencement outside no matter what. This, of course, was rejected by the rest of the CC — and you know the rest — that's when I "broke" the news to *The Tech*.)

I suppose, after all of the administration's activities of the past few months, we shouldn't be too surprised at the outcome of this situation. To me, this *blatantly* demonstrates that at least the CC doesn't give two hoots about what the students want. They told me that this decision would be best for future commencements

(Please turn to page 8)

Note directory leaks

To the Editor:

Each spring I hear reports of prospective graduates being solicited to buy life insurance. Recently I got a letter from a graduate of a few years ago who just discovered he was sold what now appears to be an inferior package of insurance at a high price.

Despite reports to the contrary, MIT does not make student names available to such solicitors

(they may dig them out themselves by somehow acquiring a student directory) and certainly does not endorse such solicitation.

Please bring any instances of harassment or misrepresentation to the attention of one of us in the Dean for Student Affairs Office or in the Campus Patrol.

Bob Halfman
Assoc. Dean for Student Affairs

The
Tech

Stephanie L. Pollack '82 — Chairman
Steven L. Solnick '81 — Editor-in-Chief
David G. Shaw '81 — Managing Editor
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Volume 100, Number 18
Friday, April 18, 1980

PRODUCTION STAFF FOR THIS ISSUE

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opinion

John Molitoris

The investigation of the paranormal

(Part two of a two part discussion of science and pseudoscience)

"In all my years of looking into these matters, I have yet to discover one genuine example of ESP, psycho-kinesis, survival after death, precognition, out-of-body travel or indeed any other of the miraculous events we see asserted in the pages of *The National Enquirer* regularly. The failure of my search has not been due to a lack of enthusiasm. It is due to a lack of talent on the part of the claimants." These are the words of James Randi. In my last article I discussed Mr. Randi's position on the paranormal and his association with the AAAS (American Association for the Advancement of Science), where he is a member of the Committee for the Scientific Investigation of Claims of the Paranormal.

I portrayed Mr. Randi as a "conjurer among scientists," but there are in fact many "conjurers" among today's scientists. Mr. Randi is unique because of the stand he takes on the paranormal: while most of the other conjurers are trying to sell their wares, Randi is exposing the sleight-of-hand behind the magic. The scientific community seeks to investigate the paranormal, like any other unexplained physical phenomena. However, some para-psychologists claim that controls and constraints interfere with their powers. Assuming that these powers are in fact real, if the process cannot be studied, then how can we learn about it?

The 1980 AAAS Annual Meeting included a Symposium on Science and Pseudoscience. Various cases were related where the conjurer was tested under constraints. For example, one man who did card tricks was studied. He was told that there would only be one camera monitoring his hands at all times. This camera was placed directly in front of him. He asked for a "warm-up" session with the camera off and proceeded to amaze his audience of scientists. He performed equally well with the camera on and neither the monitor nor the observers found any sign of legerdemain. However, there were three more cameras focused on the conjurer from various angles, which he did not know about. These cameras exposed him as a fraud. When confronted, the conjurer was outraged that he was not fully in-

formed on the nature of the experiment and he stormed out of the room. There are numerous other cases where the conjurer was not told about any monitors at all and while fooling the audience they could not fool the camera.

The Stanford Research Institute has done experiments with many para-psychologists. This research is federally funded. The government is interested in paranormal effects from both a pure scientific interest and possible military uses. (If a man can indeed bend a spoon with his mind, couldn't we construct a machine with a longer range that could

tamper with the guidance system of a missile?) It turned out that a friend of mine, a nuclear physicist at Lawrence Berkeley Laboratory, was involved with SRI for a number of years. He related some of his experiments at SRI to me, in particular a series of experiments done with Uri Geller.

One of Geller's claims is that he has the ability to make a geiger counter "count" by simply concentrating on it. SRI didn't have a geiger counter, so they borrowed a very sensitive proportional counter from Lawrence Berkeley Laboratory to use in the experiment. The experiment started by checking Geller for radioactive

sources, or anything he could use to trick the counter. He sat opposite the device and concentrated on it. Nothing happened. They then tried different position, and letting Geller get closer to the device, still no positive results. After a few hours of this everyone was getting bored, so they relaxed more constraints and let Geller hold the counter. Still nothing. Finally Geller suggested that if he brought the counter up to eye level and had better body contact by holding it with both hands he could achieve better positive results. At this point they just wanted to see something, so all

conditions were relaxed and Geller was allowed to do what he suggested. (Besides someone would have to be really stupid to plant a source in their nose or mouth.) Geller brought the tubular counter to eye level and clutched it tightly with both hands. He seemed to be rubbing the tube and it smashed to the floor. Geller himself recoiled in shock, and I do mean shock. He had "accidentally" unscrewed the base of the proportional counter and got the full potential of a few thousand volts. One of the scientists attempted to help him up, but Geller recoiled in fear and exclaimed

(Please turn to page 8)

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Death and starvation in Boston theater

Arthur Miller's *Death of a Salesman* at the Peoples' Theatre now through Sunday, May 4. Tickets are \$5 Saturdays, \$4 other nights.

Peoples' Theatre is presenting the most moving, sensitive production possible of Arthur Miller's *Death of a Salesman*. Director Grey Johnson subtly develops fantasy and reality, creating explosions at their confluence. For Homer Deitmeier's Salesman, Willy Loman, the world as it is simply does not exist, only visions of what it should be and memories of a past that never was. The vision is blinding and Deitmeier's Salesman does not want to see the light.

Dreams of impossible triumphs give him a high-key pace, a pace which nonetheless slows down perceptively every time a glimmer of truth risks getting in the way. When Loman has to admit low sales with paper-thin excuses, when he has to borrow money from his neighbor Charley, when he has to make contact with his son Biff, his hope is

smashed.

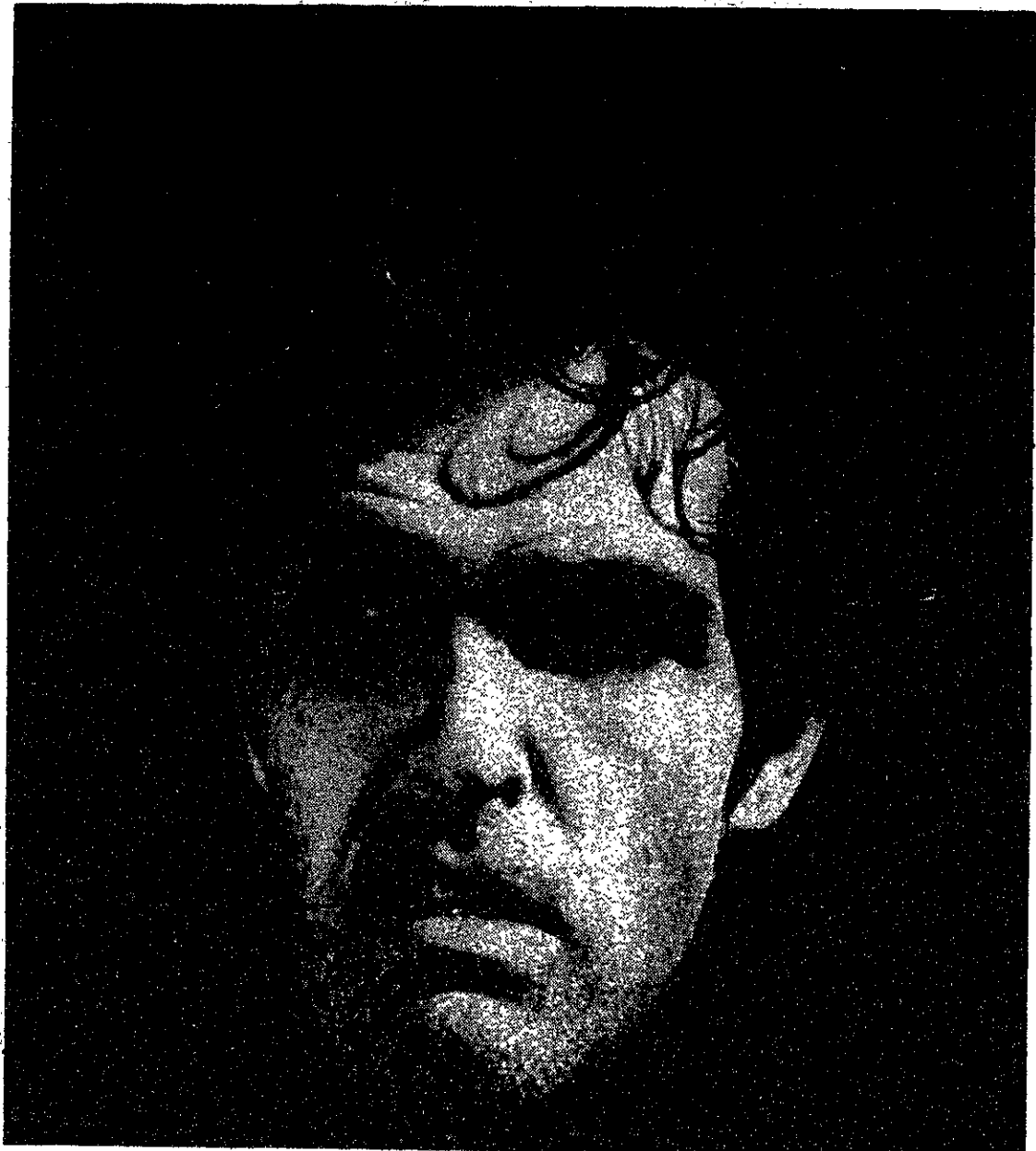
The second pace gains a grip as the play progresses, efforts at self-delusion greedily absorbing more and more life-blood in combatting it until a threshold of no return is passed and there is nothing left but the *Death of a Salesman*.

The relationship between son Biff (Robert Shea) and father is carefully studied, flashbacks to youth and mutual joy being overshadowed by modern-day "failure." Failure, that is, in terms of the Dream, because it is success at "being big" that counts. Success as a person does not. Although Shea's subliminal signals make it clear how much Biff loves his father, they cannot be acknowledged because Loman can only love a person in terms of the Dream, and not in terms of his worth as a person. But Loman fails as a person. And Loman must die. And we, the audience, must weep because this theatre is alive and human: truly a Peoples' Theatre.

Jonathan Richmond



Willy Loman, (Homer Deitmeier) searches for the elusive secret to the American dream in Arthur Miller's *Death of a Salesman*, March 27-May 4, at the Peoples Theatre, Inman Sq. Cambridge.



Curse of the starving class.

Sam Shepard's *Curse of the Starving Class* is presented jointly by Reality Theatre and Suffolk Theatre Company at Sutton Theatre, Temple St. Boston, through April 20.

I have a problem. How can I dare write more than a few lines about Sam Shepard's magnificent Obie-award winning play, *The Curse of the Starving Class*? It

(Please turn to page 7)

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ARTS

Starving Class Uncursed: A Definite Must-see

(Continued from page 6)

is so good that it would be a sin to give more than a grain of its spice away and risk lessening the immense thrill of experiencing it.

It is a violent, turbulent play. A play that looks closely at people, looks at them from several angles and lets us know that they are not as obvious as the skin on their bodies.

We see a family in ruins; bodies slowly tapped of spirit. Barriers of communication. But love, violent and latent though it may be, is there. A dream has faded, is rekindled but is hopeless.

Having recently seen Reality Theatre's powerful productions of *The Water Engine* and *Enough*, I expected a high standard of acting. In collaboration with Suffolk

Theatre they have breathed frighteningly vivid life into the action, leaving me in no doubt that they are the best performers of modern theatre Boston has. Jean Constock's blasé lethargy and divorce from any care for others as Ella is matched by Tim McDonagh's passionate, but detailed performance of Weston. Jim Kaufman generates more than sufficient creeps as the suave spectacular trickster, Paul Guilfoyle seethes with an odious hate for others as Ellis. Son Wesley (Chris McCann)'s relationship with his father is as interesting as daughter Emma (Kathleen Patrick)'s relationship with her mother.

Excuse me for being vague. Just go and see the play. You won't sleep the night afterwards.

Jonathan Richmond

ON THE TOWN

MIT MUSIC

The MIT Musical Theatre Guild presents **Tech Show 1980**, a science fiction tale entitled *There's No Space Like Home*. Set on an asteroid in the 28th century, this story of love and adventure tries to answer the age-old question "What do androids do for fun?" Performances are Friday through Sunday, April 18-20 at 8pm in the Sala de Puerto Rico. Tickets are \$3.50. For info, call 253-6294.

Lapeste, Ground Zero at Cantone's, 69 Broad St., Fri.
Scientific Americans, Vectors at The Underground, 1110 Comm. Ave., Fri.
Reckless, Dawgs, Games at The Rat, 528 Comm. Ave., Fri.
Lapeste, Lazars at Cantone's Sat.
Scientific Americans, Mono-Vogue at The Underground Sat.
Neon Leon's film show, Streets at The Rat Sat. and Sun.
Lazars, Dawgs at The Rat Sun.
Vacuumheads at The Underground Mon.

THEATER

Pontifex, an original adaptation of Theodore Rozart's dramatic novel, is playing Thur.-Sat. nights at 8pm at the Reality Theatre, 26 Overland Street. Pontifex is a comedy with music about the turmoil and confusion of revolutionary politics. Tickets are \$3.50 and \$4.50, and can be reserved by calling 262-4780.

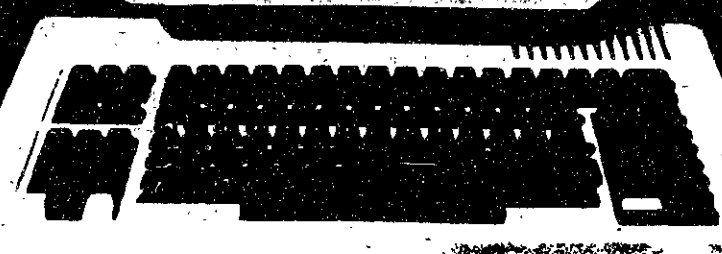
The Jazz Coalition is presenting **Boston Jazz Week** Apr. 25-May 4. The week will feature films, Community Concert Series, seminars, and a visual arts exhibit. Info: 267-3608.

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Sunday, April 20 at 3 PM
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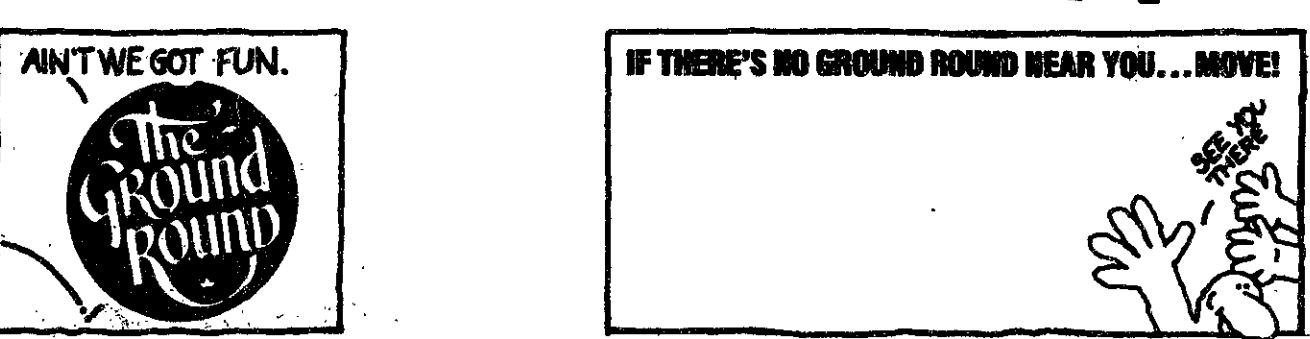
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Opinion

Motivating the search for the chimera, or looking for dragons

(Continued from page 5)

that they were trying to kill him. My friend told me that Geller doesn't understand physical laws and doesn't trust scientists. I guess after that episode he trusts them even less.

There were a number of experiments where spoons and keys were bent only under the most relaxed experimental conditions. Under the strictest constraints Geller failed to produce significant results. However they were varied instances which could not be explained away. For example one time while the SRI people were preparing for a session with Geller they decided to test his psychic ability in another way. The scientist thought up a nine digit number and wrote it on their blackboard. Then they telephoned Geller at his hotel to see if he could guess the number, and he did.

There are other cases of phenomena that SRI could not explain. One is the case of a San Francisco policeman who after



physically meeting a person can mentally follow that person on a trip and describe what that person sees and notices. These powers seem to have no range and follow

no physical law, however the evidence is scanty and non-conclusive, but it does go beyond mere coincidence.

At the 1979 Annual Meeting,

the AAAS was urged by Professor John Wheeler, author of *Spacetime Physics*, a renowned physicist, and member of the AAAS, to oust the Parapsychological Association from the organization. After ten years, said Prof. Wheeler, they have not come up with a single good experiment to prove any of what they claim. However science does have an obligation to investigate the unknown, that is science. Even if 99 percent of all paranormal claims are bunk, what we can learn from that real 1 percent is worth the effort. Also, if the AAAS were to oust the Parapsychological Association from their ranks they are just taking

away a restraint on the organization. There are too many people who want to believe in something they don't understand. There are also too many people claiming to have cured cancer and willing to give false hope. At least in its present position the AAAS can act as a judge on the paranormal and people like James Randi can debunk frauds knowing they have the weight of a large organization behind them.

Man has always believed in dragons and magic, perhaps he always will. But in this age of science we are in a position to see how real the dragons are. I hope the AAAS continues to motivate the search for the chimera.

feedback
Keep inside rain site

(Continued from page 4)

— but only God knows how! Anyone who's even just glanced west recently knows that there's going to be a new Athletic facility to hold the backup in starting next year. It seems that the CC just wanted to make life a little easier for themselves — after all everyone knows how hard Prof. Kassakian has been working planning out the diet of the classes of '84, '85...

Lastly, I must say that I was extremely disappointed in Ken Turkewitz '80, the NomComm-appointed CC member, who did not support me at all, and the woman who represented the GSC. (I wonder if the "500 to 600" graduate students who plan to participate in commencement know that she never said a word.) I just know that: 1) my dad is going to be quite upset if he doesn't get a picture of my friends and me in our \$10.50 caps and gowns (who's going to dress for no reason?) after spending about \$40,000 to send me here; and 2) I'm pledging my money to the Athletic Department — they've never pulled anything like this as far as I know!

Kate Mulroney '80
Class President, 1979-80

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Weisner thanks Rosenblith

(Continued from page 1)

policies were not made in any effort to stack the deck against the student, but rather to make faculty members play more of a role in the hearing. The Committee will not notify a faculty member before the hearing, however, as that is still up to the student. Also, the only informa-

tion given outside of the COD is the nature of the discipline, not the nature of the offense. They will release that information, however, if the student approves such a release.

At the end of the meeting, President Weisner honored Dr. Walter Rosenblith, who is stepping down as Provost. Dr.

Rosenblith is a member of all three National Academies — Science, Medicine, and Engineering — and is noted for the neurophysiology of hearing. Among programs he has been instrumental in forming are the joint Harvard program, bio-electrical engineering, and Whitaker College.

notes

Announcements

Beginning with the summer session, the charge for use of the **Deferred Payment Plan** will be \$30 as will the charge for each late payment.

* * * *

All students should pick up a **final examination schedule** as soon as possible from the Information Center, 7-121. All conflicts must be reported to the Schedules Office by Friday, April 25.

* * * *

The Technology Community Association is holding a contest to determine the cover for **HoToGAMIT 12**. A \$25 prize will be awarded for the artwork of

photograph selected. Entries must be received in the TCA office, W20-450, by Monday, May 5, at 5pm. For more info, call TCA at x3-4888 or Eric Sohn at x5-6532.

* * * *

The **Austin Kelly III competition in humanistic scholarship** is now open. The award is two prizes of \$250 each for the best scholarly or critical papers in any of these fields: Literary Studies, History, Musicology, Anthropology, Archaeology. All full-time MIT undergraduates are eligible, except previous winners. Papers must be at least 4000 words long (14 standard typed pages). Papers may be written expressly for the contest, or papers from classes may be submitted, either as they stand or in revised and expanded form. Students are

encouraged to consult with faculty. The deadline in April 30, 1980.

Lectures

The documentary **The War at Home** will be shown tonight and tomorrow, April 18 and 19, at 8 and 10pm in Emerson Hall, Room 105, Harvard Yard, Cambridge. Admission is \$1.50 and open to the public.

* * * *

A colloquium observing the **50th anniversary of the Boston College Law School** will be held at Barry Pavilion on the Newton campus, 885 Centre St., on Friday, April 25, beginning at 11am.



MIT STUDENT CENTER

Orders for cap and gown rentals for graduation exercises June 2, 1980 must be placed by **SATURDAY MAY 3, 1980**

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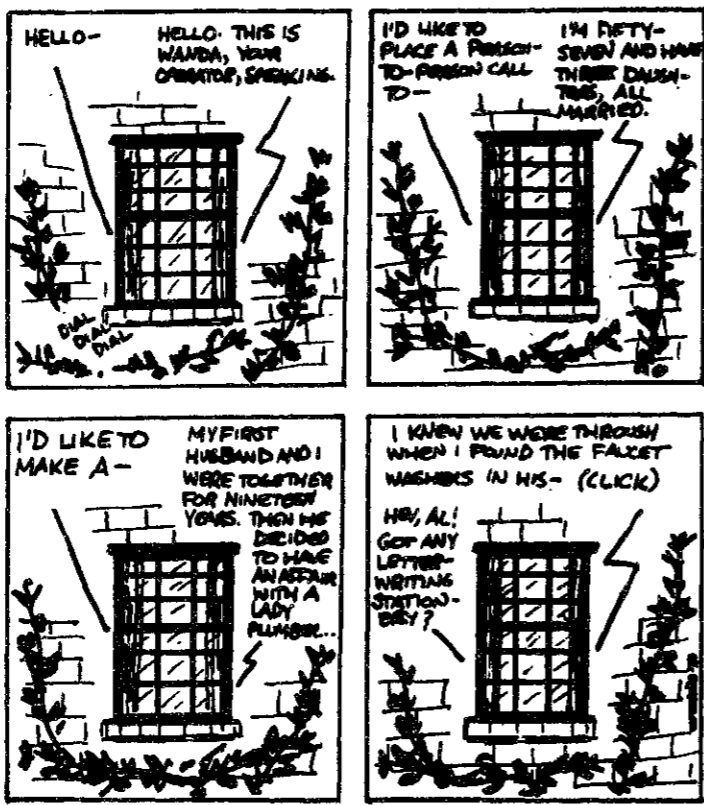
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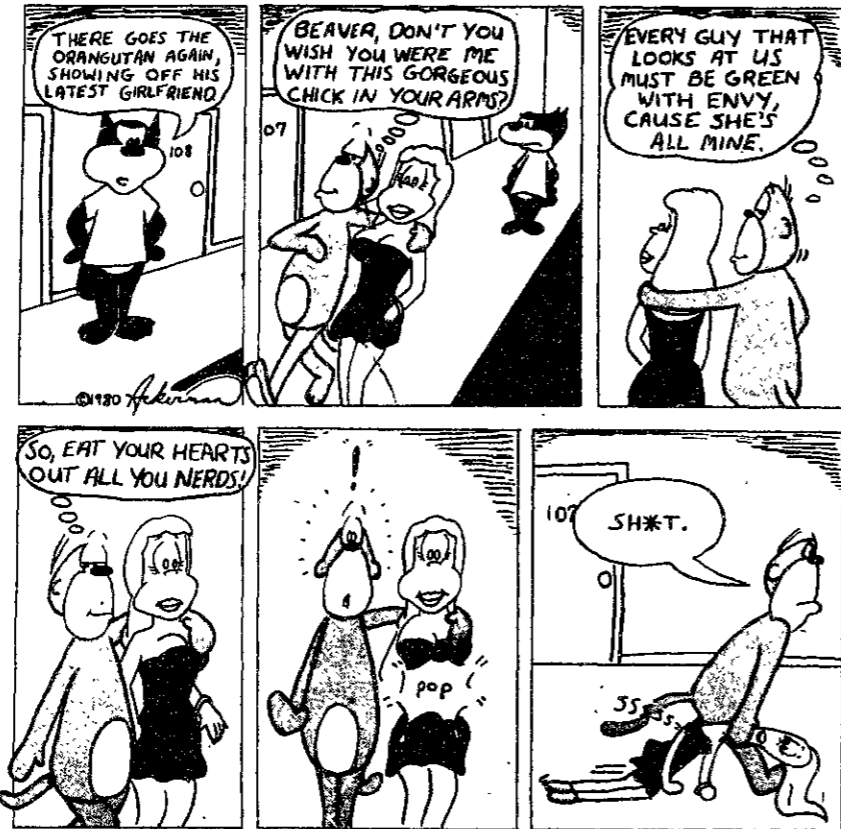
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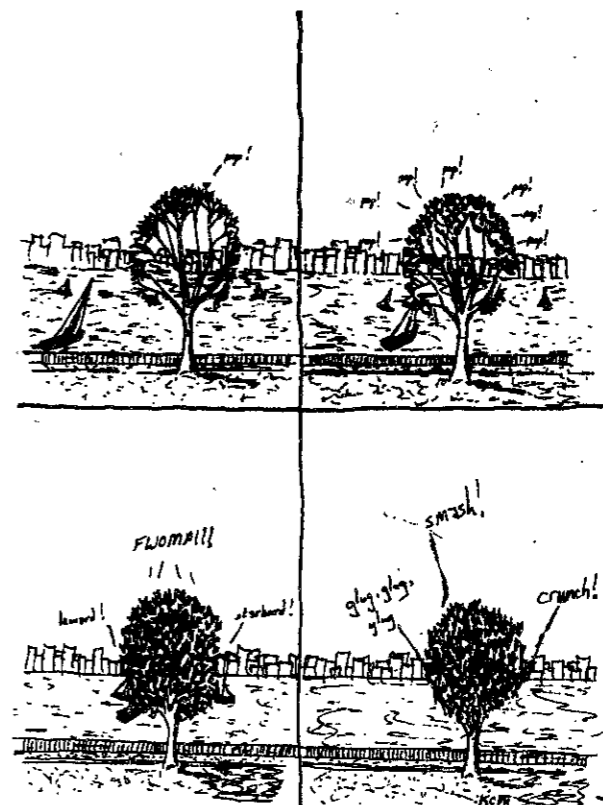
Outside Looking In
By V. Michael Bove



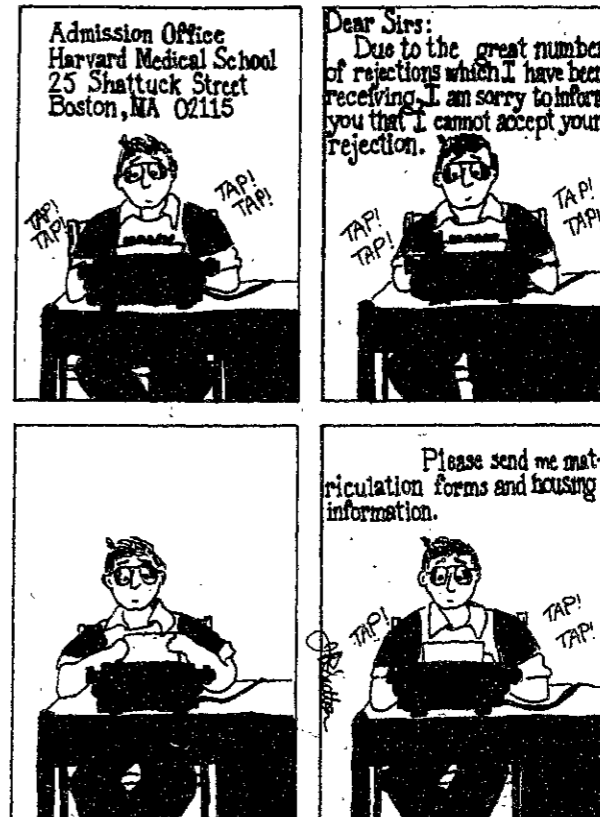
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Sick Puppies
By Jim Sutton



A "Champagne" Party featuring *Shane Champagne*

Original Rock&Roll as heard on WCOZ and WBCN

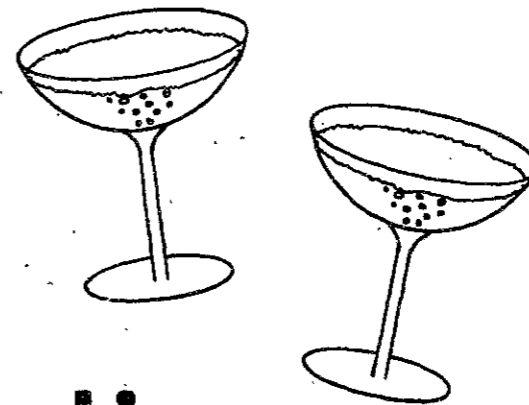
Rated "Best Band in Boston" — The Phoenix

Friday, April 18

8:30PM-1:00AM

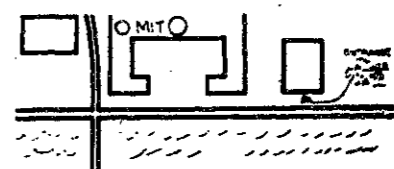
Walker Dining Hall

Free Beer, Soda, Munchies



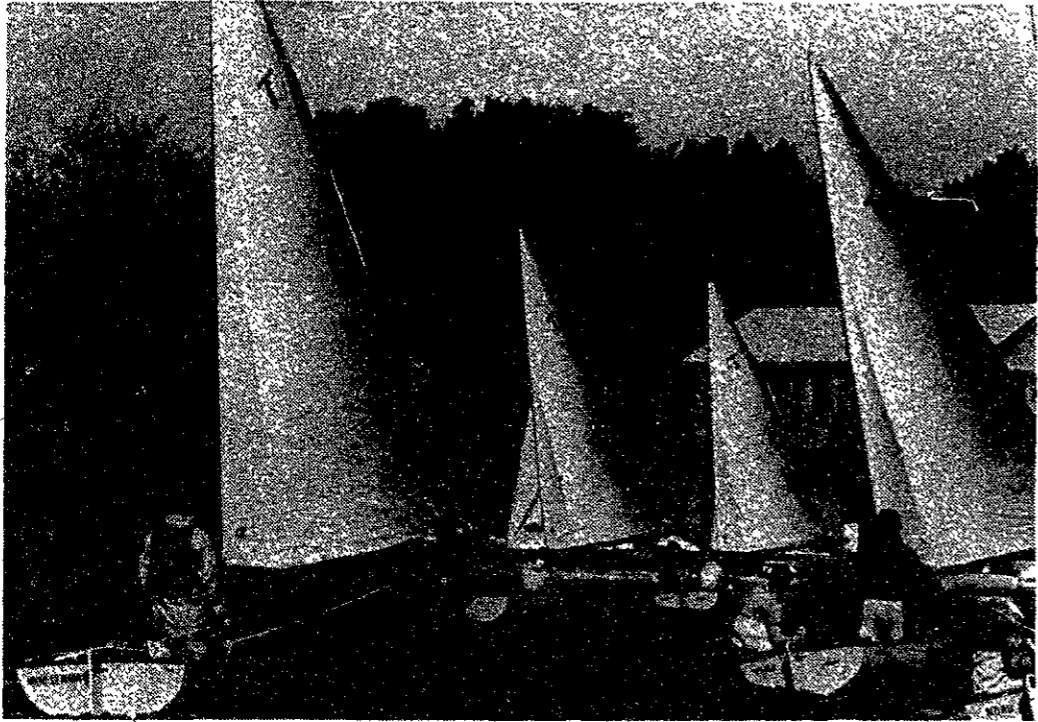
50 bottles of Korbel Champagne as door prizes!

Free Admission!



College ID required.

Proof of age required for alcohol.



Leonidas of Tarentum 274 BC

Now is the season of sailing; for already the chattering swallow is come and the pleasant westwind; the meadows flower, and the sea tossed up with waves and rough blasts has sunk to silence. Weigh thine anchors and unloose thy hawsers, O mariner, and sail with all thy canvas set: this I Priapus of the harbor bid thee, O man, that thou mayest sail forth to all thy trafficking.

Greek Anthology
J.W. MacKail ed. [1906]

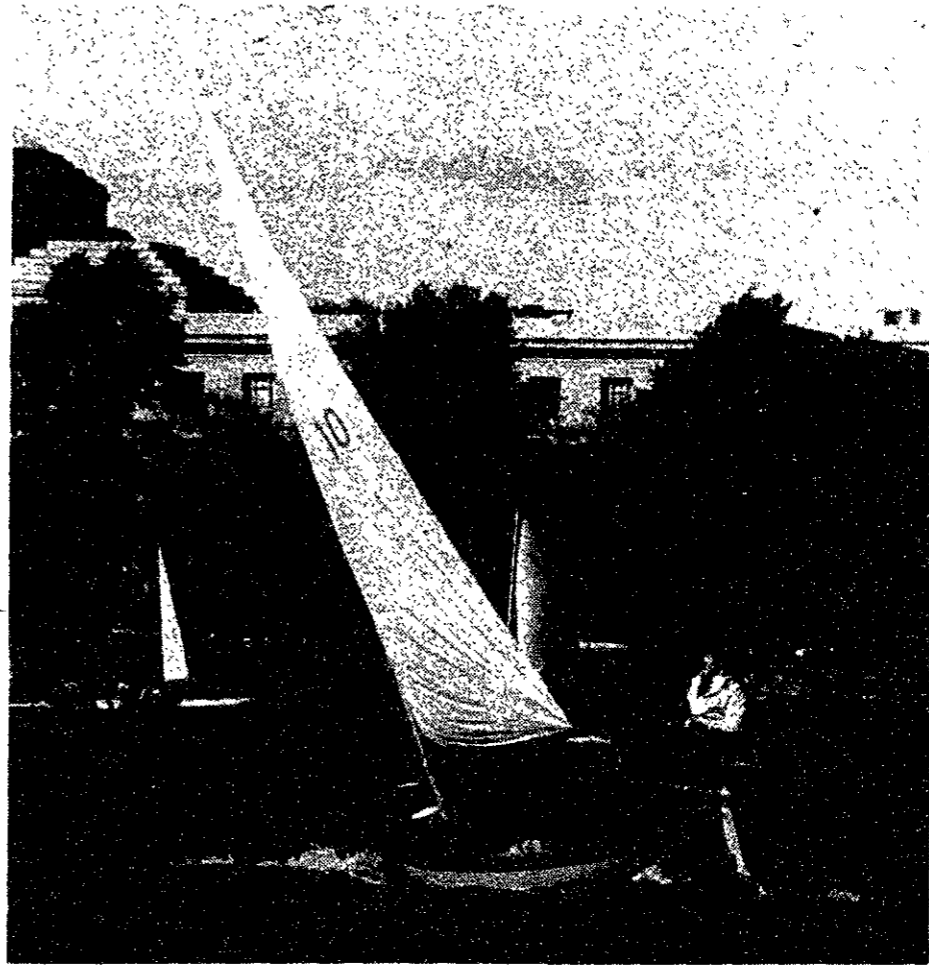
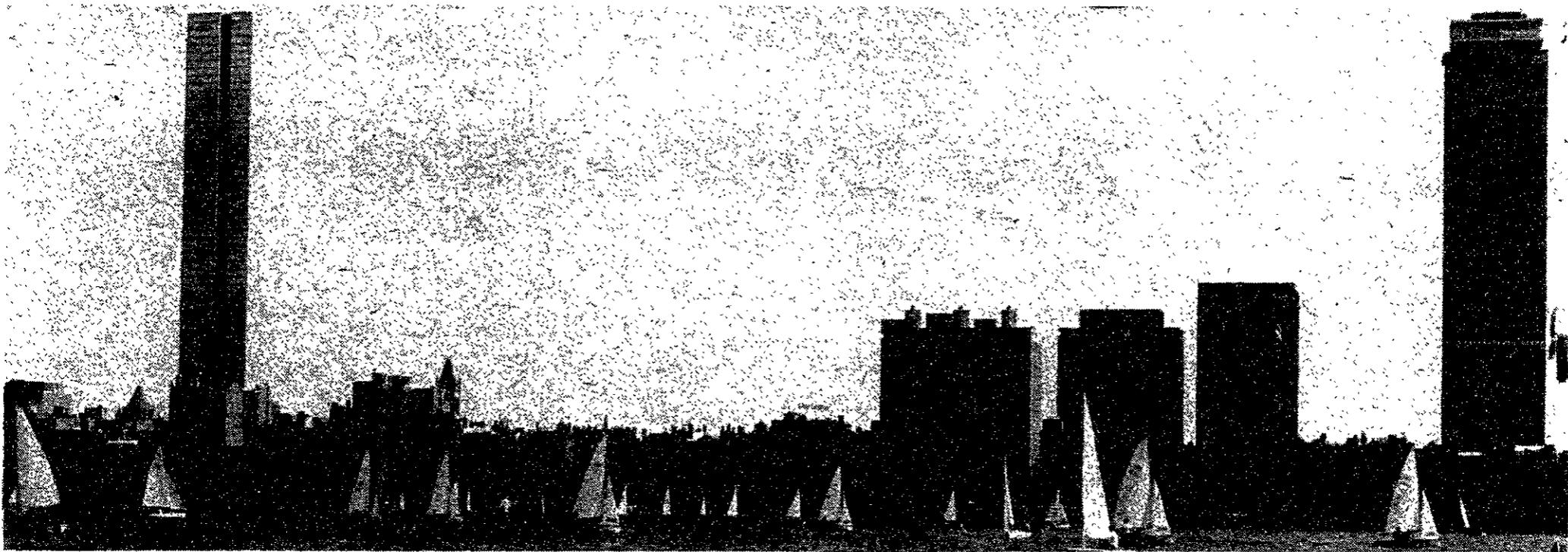


Photo Essay by Rick Parker



Juniors

Get Shot



Call x3-2980 or drop by W20-451 to make arrangements for your portrait sitting for *Technique* 1981.

Sittings run from April 23-25, and April 28-May 2, 9 am to 12 noon, 1 pm to 5 pm.

sports

Baseball gets first win

By Bob Host

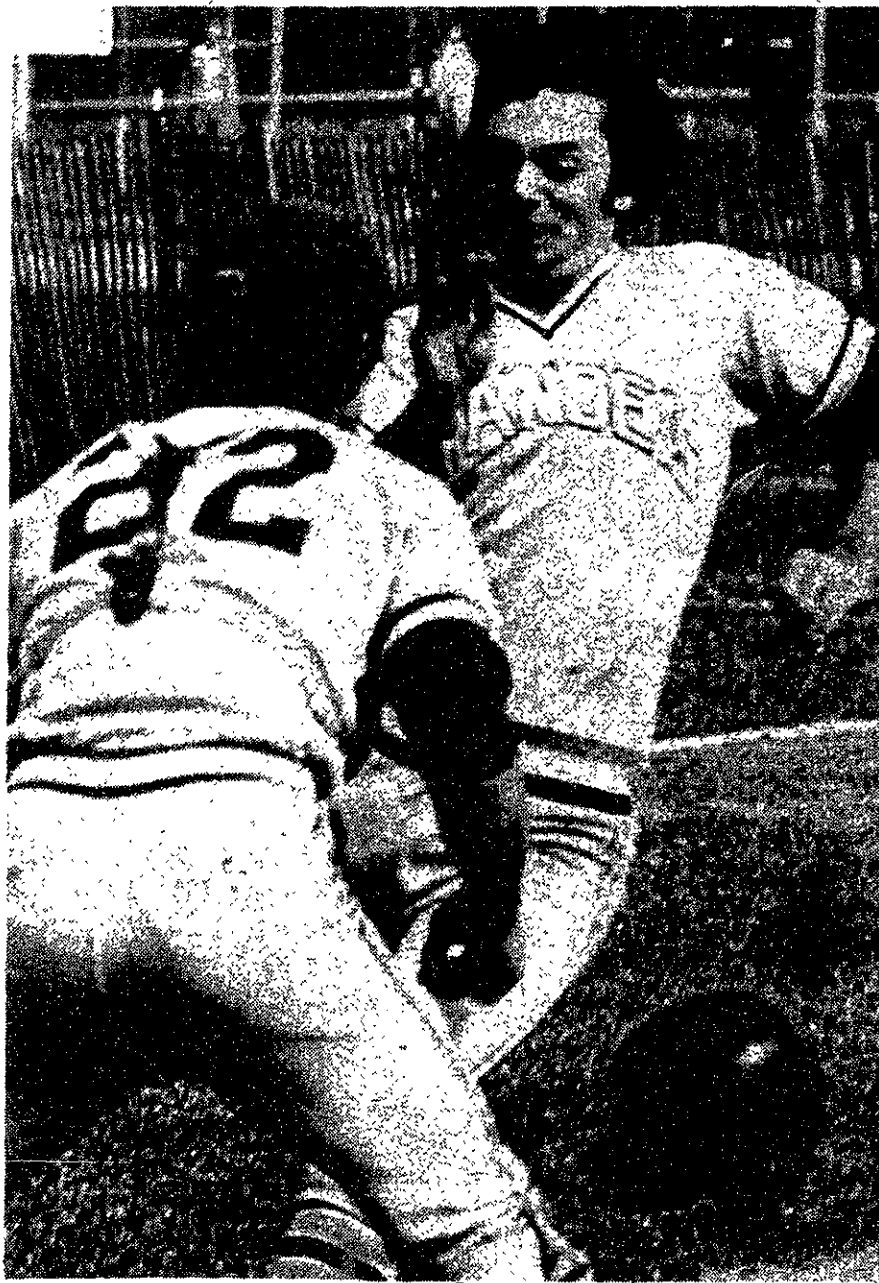
MIT's baseball team won its first game of the season Wednesday, a 7-3 victory over Massachusetts Maritime, behind the 14-strikeout pitching of George Noll '81, who batted three runs across the plate to aid his own cause.

Maritime (13-4) struck first, getting a run in the top of the first inning, but MIT came back in the third inning to score three runs. A walk to Ed Wilcox and a single by Craig Preston '83 set up Evan Shapiro, who singled in a run. Noll then followed with a two-run double to put the Engineers on top, 3-1.

In the fifth inning, Preston singled again, stole second, and

was batted in by Tim Garverick '80. Noll then hit a two-run home run to end up with three RBI on the day, giving MIT a 6-1 lead. The Engineers got their final run in the bottom of the eighth inning when Carl Nowiszewski '81 singled and Chuck Souter '82 doubled him in. Maritime scored twice in the top of the ninth, but it was too little, too late, as the Engineers took the game to raise their record to 1-7.

On Monday, the Engineers dropped a 5-1 decision to Brandeis in a game called after eight innings because of darkness. Nowiszewski got the lone RBI, with Al Fordiani '82 taking the loss for the Engineers.



A Brandeis runner attempts to score a run against the MIT baseball team. (Photo by Steve Solnick)

Macneil paces lacrosse

By Rich Auchus

The MIT Lacrosse team exploded for five goals in the fourth period to defeat Merrimack this Wednesday, 8-4. The victory is the Engineers' fourth against only one defeat.

Midfielder Phil Macneil '80 tallied four goals and one assist; Macneil leads the team with 21 goals this season. In addition, Manny Oliveria '81, Bob Tait '80, Tom Garigan '81, and Earl Bartley '83 each contributed one goal, and Hank Tremaine '80 had

three assists. Goalie Adam Sapirstein '81 registered 11 saves on the day.

Once again, coach Walt Alessi's rigorous conditioning program led to a strong finish which proved decisive this Wednesday. This Saturday's game against Trinity (2pm, in Steinbrenner Stadium) promises to be a superb contest. MIT won last year's confrontation, but as coach Alessi said, "They're ready for us this year." At 4-1, MIT is ready for them, too.

sporting notices

Intramural fencing competition will begin on Tuesday, 29 April. The competition will be coed and in foil only. All entries must be received by Thursday, 24 April at

4pm in W32-121. A \$3 entry fee must accompany all rosters, and a \$1 entry fee must accompany all individual entries. Teams must report to the Fencing Room on

Monday, 28 April at 4pm to receive equipment and schedules. A \$7 deposit is required for renting MIT equipment.

Weekend Preview

Why blow \$5-\$6 at Fenway Park? Take advantage of the many free sports events on campus this long weekend. Come on out and support the teams!

Baseball — Hot off their first victory, the Engineers (1-7) take on Coast Guard this Saturday at

on deck

Friday

Golf vs. Bowdoin at Lowell 1pm
Track at WPI 3pm
Men's tennis at Connecticut 3pm
Women's tennis vs. Mount Holyoke 4pm

Saturday

Heavyweight crew vs. Northeastern at Boston University 9am
Men's sailing, Oberg Trophy, Greater Boston Championship at Harvard 11:30am
Women's sailing, Emily Wick Trophy 11:30am
Baseball vs. Coast Guard (2) 1pm
Golf vs. Bates and Middlebury 1pm
Softball vs. Clark 1pm
Lacrosse vs. Trinity 2pm
Men's tennis at Trinity 2pm

Sunday

Men's sailing at Harvard 9:30am
Women's sailing, Emily Wick Trophy 11:30am
Softball at Stonehill 1pm

Monday

Baseball at Harvard 3pm
Lacrosse vs. New England College 3pm
Men's tennis vs. Brandeis 3pm

Tuesday

Softball vs. WPI 4pm

Wednesday

Baseball vs. Suffolk 3pm
Lacrosse vs. Nichols 3pm
Men's tennis vs. Clark 3pm

1pm for a doubleheader on Briggs Field.

Lacrosse — Enjoying one of its best starts in recent years, MIT (4-1) faces a traditionally tough Trinity team this Saturday, 2pm in Steinbrenner Stadium.

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On Being An Axle, Not A Cog.

If you have ever worked for a truly large company, one with several thousand employees, then you probably have a pretty good idea of how it feels to be a cog: a feeling that your job is insignificant, that it is only a small (and easily replaced) part of something much larger, something over which you have no control.

Small companies have their problems too, problems of limited resources, whether it be people or facilities. No matter how good you are, you will run into a brick wall. Talk to someone who's tried to develop a new idea at a very small company. You'll find out what single-handed frustration really is.

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