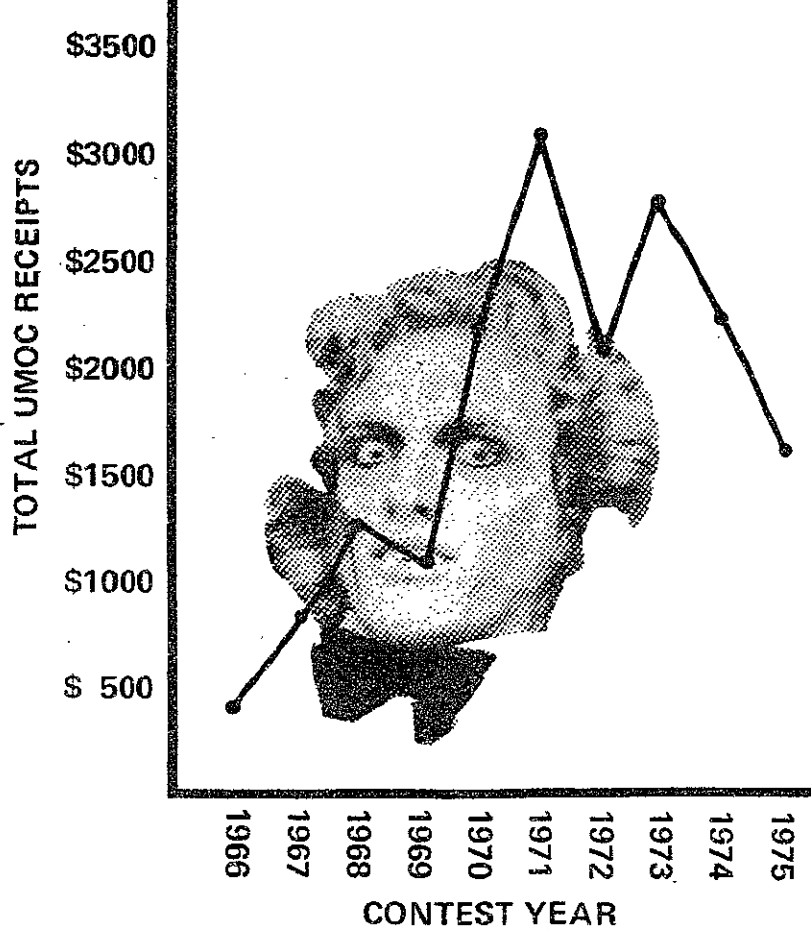


The rise and fall of UMOC



The Count wins UMOC; gathers \$615 in 1 day

By Mark Munkacsy
As the eight-day Ugliest Man on Campus (UMOC) contest closed Friday, the sponsoring Alpha Phi Omega officials turned to each other and began asking, "What went wrong?" This year's UMOC check to the American Heart Fund will be only \$1645.91, the lowest total since 1969 and over \$1400 less than the 1971 total, the contest's best year so far. Looking back at the shaky first seven days of the contest, APO President Bill Anderson '76 told *The Tech* "We almost didn't have a contest." And the service fraternity officers are considering whether the contest can continue in its present form. Thursday evening worried

APO officials, faced with only \$433 collected, called Brian Van Der Workeken '78 (Igor) and asked if he and Count UMOC (Brian Hughes '77) would reunite last year's winning team to run again and try to help the ailing contest. Hughes and Vander Workeken said they "would consider running," and by six that evening, the Count said, "I got my cape and makeup and stuff" and went to work. In the remaining 23 hours of the contest, the Count and Igor succeeded in raising \$615.87 to easily win over Rich Goldstein '79, who had \$437.44 to show for eight days' campaigning. The Count and Igor ascribe (Please turn to page 10)

Students reject fee idea

By Mike McNamee
Student activity officials have recommended that MIT reject a proposed "activity fee" plan for funding student activities in favor of the current funding methods. In a letter to Associate Deans for Student Affairs Robert Holden and Jon Hartshorne, Undergraduate Association President Lee Allen '76 and other students concluded that "the present form of extra-curricular activity funding would probably be most suitable to our needs in the present situation," recommending "strongly" that the current method be kept. The recommendation is expected to end the administration's consideration of the proposed activity funding plan, which would have incorporated the cost of activities as an "activity fee" in each student's tuition bill. Holden and Hartshorne had chaired a committee which had studied the activity fee plan at the request of Chancellor Paul E. Gray. Allen told *The Tech* that student reaction to the activity fee plan was "really negative overall." "While some students thought this would set a mini-

mum amount of funding for student activities, a lot of people were afraid it would make it very difficult for activities to get more money when they need it," Allen explained. The letter to Holden and Hartshorne stressed that MIT activities funding is not structured in the same fashion as funding at schools that use an activity fee. "The activities that would be funded are not those activities that deal (in terms of membership or active interaction) with the MIT community as a whole," the letter said. "While the activities funded by the UA Finance Board all meet the requirement that they have some significant impact upon the Institute community, their respective impacts are segmented in such a way that it would be inappropriate to fund them with a form of activity fee." Allen explained that the committee's study of activities fees at other schools showed that the fee was used to fund "mass activities - concert series, films and lectures, newspapers, and so forth. But here," he said, "things like LSC, the Symphony, *The Tech*, etc., all take care of themselves. FinBoard

concentrates on the small activities like arts groups and special interest groups." Allen said the students involved in the study had "felt there were good intentions in the request," but were "worried" about the impact of the fee system on activities. "We felt that every request for more money for activities would result in a 'look what student politicians are trying to do to you' type of battle, and we thought that would be divisive and wouldn't help anyone," he said. The proposed activities fee "is probably dead" in the wake of the student group's recommendation. Allen said. Holden told *The Tech* that he would have to discuss the recommendation with the group before he could act, but that "our committee's proposal will have to rely heavily on this." The students' recommendation has sidetracked detailed discussion of what the activity fee would include and how much it would cost students. "We haven't gone into great detail on that because we looked at the general outlines and decided to suggest that it be rejected," Allen explained.

Woods Hole split over Arabs

By Mike McNamee
Arab oil money and a wish to use it for scientific and educational development in the Middle East are causing problems for the Woods Hole Oceanographic Institution - problems that closely parallel those MIT faced last spring in the debate over international institutional commitments. In the last two months, Woods Hole has found itself embroiled in controversy over proposed contracts for research and technical development for the governments of Saudi Arabia and Iran - the same governments which MIT was attempting to deal with several months ago in the Iranian nuclear engineer training program and a Saudi research proposal for water-resources studies. The Woods Hole contracts do not involve the educational questions that were raised by many MIT faculty and students in the debate over the Iranian program last semester, nor do the opponents feel that the institution is being "sold" to a foreign government. But the issue of potential discrimination against researchers by the Saudi government - the issue which eventually killed MIT's negotiations with the Saudis - has been a matter of some concern for many Woods Hole staff members and adminis-

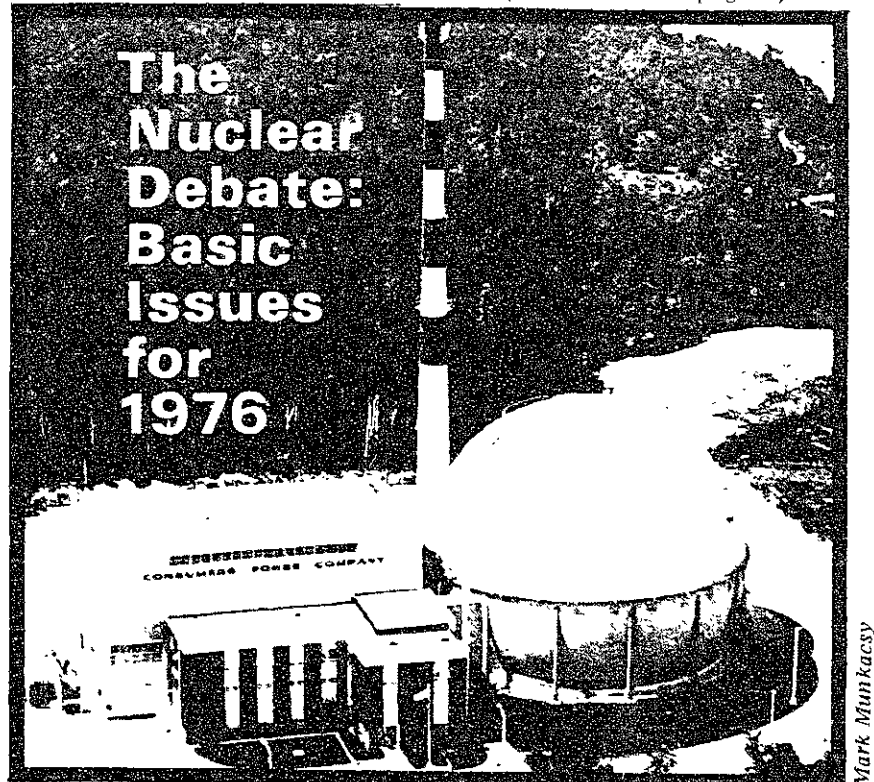
trators. "There's a very serious question at stake here about Woods Hole's attitude on discrimination," Associate Scientist Joel Goldman, one of the major opponents of the program, told *The Tech*. "The administration of the institution has not given us any positive indication that the Saudis won't be allowed to discriminate against female and Jewish researchers, and we're very concerned about their lack of a stance." Under the proposed Saudi contract, Woods Hole would agree to help the Saudis establish an oceanographic research station at Jidda on the Red Sea. Woods Hole researchers would help the Arabs choose a site, draw up plans, and develop facilities, including a library and a research ship. Woods Hole researchers would be needed to work at Jidda under restrictive (Please turn to page 9)

Scientists doubt nuclear safety

By Henry Fiorentini
(This article, presenting the views of opponents of nuclear power generation, is the first of three articles on the question of reactor safety.) The recently released WASH 1400 report has declared nuclear power acceptably safe, but has not stilled the controversy surrounding nuclear power generation. Professor of Physics Henry Kendall, head of the Union of Concerned Scientists, is one of many scientists who strongly disagreed with the conclusions of the three-year \$3.5 million study of reactor safety recently completed by Professor of Nuclear Engineering Norman Rasmussen, which concluded that nuclear power generation was safer than normal activities such as driving a car. Despite the positive outlook given by WASH 1400, Kendall and more than 2500 other scientists and engineers have signed a public statement urging

"a drastic reduction in nuclear power plant construction starts, before major progress is achieved." Their statement said "we urge the nation to suspend its program of exporting nuclear plants to other countries pending resolution of the national security question associated with the use by the countries of the by-product plutonium from United States nuclear reactors." The petition was signed by Nobel Prize winners David Baltimore, American Cancer Society Professor at MIT, Professor of Chemistry Emeritus Harold C. Urey of the University of California at San Diego and Biology Professor James Watson of Harvard, as well as by Professors Emeritus of Physics Philip M. Morse and Victor Weisskopf, both of MIT. Kendall noted that the reliability of nuclear reactors has not met what he considers acceptable standards in the past. There have been more severe

accidents than predicted and the operation of emergency equipment appears "marginal at best," he said. "They have not demonstrated that they do work, and have demonstrated occasionally that they don't work. The design capacity in the case of accidents relies on untested computer programs," he said. Asked why the general trend has been in favor of nuclear power, Kendall replied flatly, "Propaganda. The principle responsible agencies are and have been lying. The AEC (Atomic Energy Commission) even went so far as to suppress in 1971 a report by the Aero-Jet Corporation which was critical of reactor operation, not only from the public, but also from the licensing division of the AEC," Kendall said. He charged that "the AEC told their technicians not to disagree with commission policy on nuclear (Please turn to page 10)



The Nuclear Debate: Basic Issues for 1976

Mark Munkacsy

Bill on 'human use' proposed

By Mike McNamee

Legislation that would create a permanent body to oversee federally-sponsored research involving human subjects in medicine and the social sciences is under consideration in the Senate.

Senator Edward M. Kennedy, D-Mass., has introduced a bill to create a National Commission for the Protection of Human Subjects of Biomedical and Behavioral Research with broad powers to oversee and review all research inside the government or funded by the government which involves humans as experimental subjects.

The proposed commission would replace a Secretary's Commission which Congress established two years ago within the Department of Health, Education, and Wel-

fare to investigate use of human subjects in HEW-sponsored research. The Kennedy bill would give that commission status as a "presidential commission," allowing it to investigate any research in which the federal government is involved.

A major proposal of the Kennedy bill is the addition of four Senators and four Congressmen, along with the Secretaries of Defense and HEW and the Director of Central Intelligence, as non-voting members of the commission. This change, according to Senate health subcommittee counsel Allan Fox, will give the group access to classified research which the Department of Defense or intelligence agencies might claim could not be reviewed by a civilian panel because of "na-

tional security requirements."

"The congressmen and the secretaries all have, by virtue of their positions, the highest security rankings available," Fox said. "They can act as a preliminary review panel to screen national security information and decide which cases can be presented to the commission in what form."

The new commission would work in much the same way as the old one, Fox said, picking which research areas it would want to investigate and making suggestions directly to the agency involved. "The group can't veto research or impose sanctions, but if an agency head doesn't want to go along with its suggestions, he must publish his reasons," Fox said. "The commission has been very, very effective in the past."

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We do.

Prices of groceries vary; average price does not

By Gerald Radack

You can "Talk to the Boss" or "Get Your Stop and Shop's Worth" or even shop at the "Un-Common Market," but you will be paying almost exactly the same price for your bag of groceries.

A "shopping trip" to the three chain stores closest to MIT — the Purity Supreme in Central Square, the Star Market at the Prudential and the Stop and Shop on Memorial Drive — revealed that although prices in individual items vary widely, the price of a sample "cart of groceries" varied by only 2 per cent — less than 50 cents for a \$33 "purchase."

In addition to the differences

in prices on individual items, there were other differences between the stores. The Stop and Shop was the largest of the stores, and had wider and less crowded aisles, plus a larger selection of items. It also had institutional sizes for certain staples — one-gallon jars of Cains mustard, for example.

The Star Market seems to cater to a more international clientele than the other stores; it has a selection of imported cheeses, for example. It also sells live crabs (\$3.49 per pound) and seems to have better looking vegetables and a larger selection of them.

The Star Market is the smallest of the stores, and was the most crowded last Saturday, when the stores were visited.

The table at right shows the prices found for the items surveyed. In most cases the cheapest brand for each item was selected — usually the stores' own brand.

The local market basket

	Purity Supreme	Stop and Shop	Star Market
Baking Supplies			
Flour — 5 lb.	1.15	.69	.69
Sugar — 5 lb.	1.27	1.31	1.25
Baking soda — 1 lb.	.41	.41	.41
Baking powder — 12 oz.	.57	.57	.57
Salt — 26 oz.	.19	.17	.17
Canned goods			
Grapefruit juice — 46 oz.	.59	.57	.57
Fruit salad — 17 oz.	.45	.41	.45
Pineapple chunks — 20 oz.	.55	.55	.53
Pears — 16 oz.	.39	.43	.49
Tomatoes — 16 oz.	.39	.33	.39
Tomato sauce — 8 oz.	.19	.19	.20
Tomato paste — 6 oz.	.25	.25	.26
corn — 1 lb.	.35	.35	.35
apple sauce — 25 oz.	.49	.49	.49
Fresh Fruit			
grapefruit — 4	.79*	.89	.79
celery — 1 stalk	.59	.69	.69
green peppers — 1 lb.	.59	.39	.49**
onions — 3 lb.	.69	.69	.88
potatoes — 5 lb.	.89	.89	.89
Dairy Products			
milk — 1/2 gallon	.74	.74	.74
american cheese — 1 lb.	1.45	1.55	1.49
cheddar cheese — 1 lb.	1.63	1.69	1.59
eggs — 1 dozen large	.91	.91	.91
cottage cheese — 1 lb.	.77	.77	.77
cream cheese — 8 oz.	.49	.47	.39
sour cream — 1 lb.	.71	.61	.69
Soda			
Coca Cola — 64 oz.	.83	.83	.83
house brand cola — 64 oz.	.69	.53	.69
Meat			
ground beef — 1 lb. lean	1.19	1.29	1.29
pork chops — 1 lb. top loin	2.09	2.09	1.79
chicken legs — 1 lb.	.99	1.09	.82
chicken breast — 1 lb.	.89	1.29	.86
beef chuck — 1 lb.	1.19	1.19	.99
beef bottom round	1.99	1.99	1.99
Frozen foods			
peas — 10 oz.	.25	.35	.29
spinach — 10 oz.	.23	.27	.25
orange juice concentrate — 6oz.	.29	.29	.27
Miscellaneous			
bread — 1 lb. white	.39	.43	.39
tea bags — 100	.99	.99	1.39
instant coffee			
6 oz. Maxwell House	1.85	1.89	1.89
spaghetti — 1 lb.	.51	.39	.39
pickles — 32 oz. dill	.69	.69	.75
mustard — 9 oz.	.23	.23	.23***
catsup — 26 oz.	.75	.65	.69
TOTALS	33.43	33.49	32.94

* Based on a price of 3 for \$5.99
 ** Based on a price of 2 lb. for \$5.99
 *** Based on a price of 2 lb. for \$8.99

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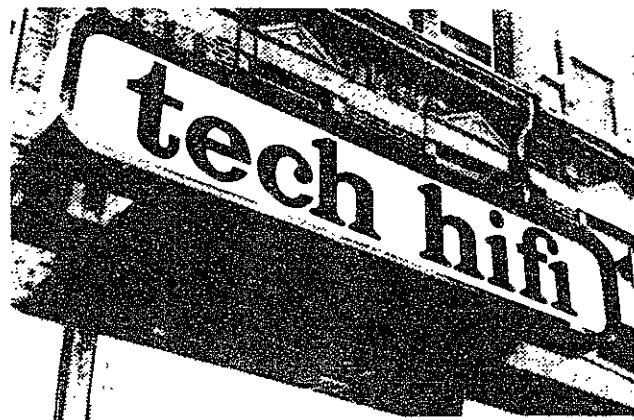
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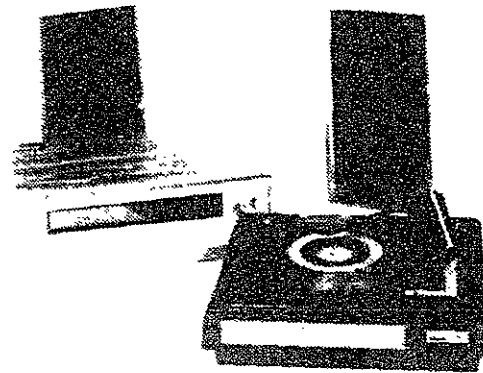
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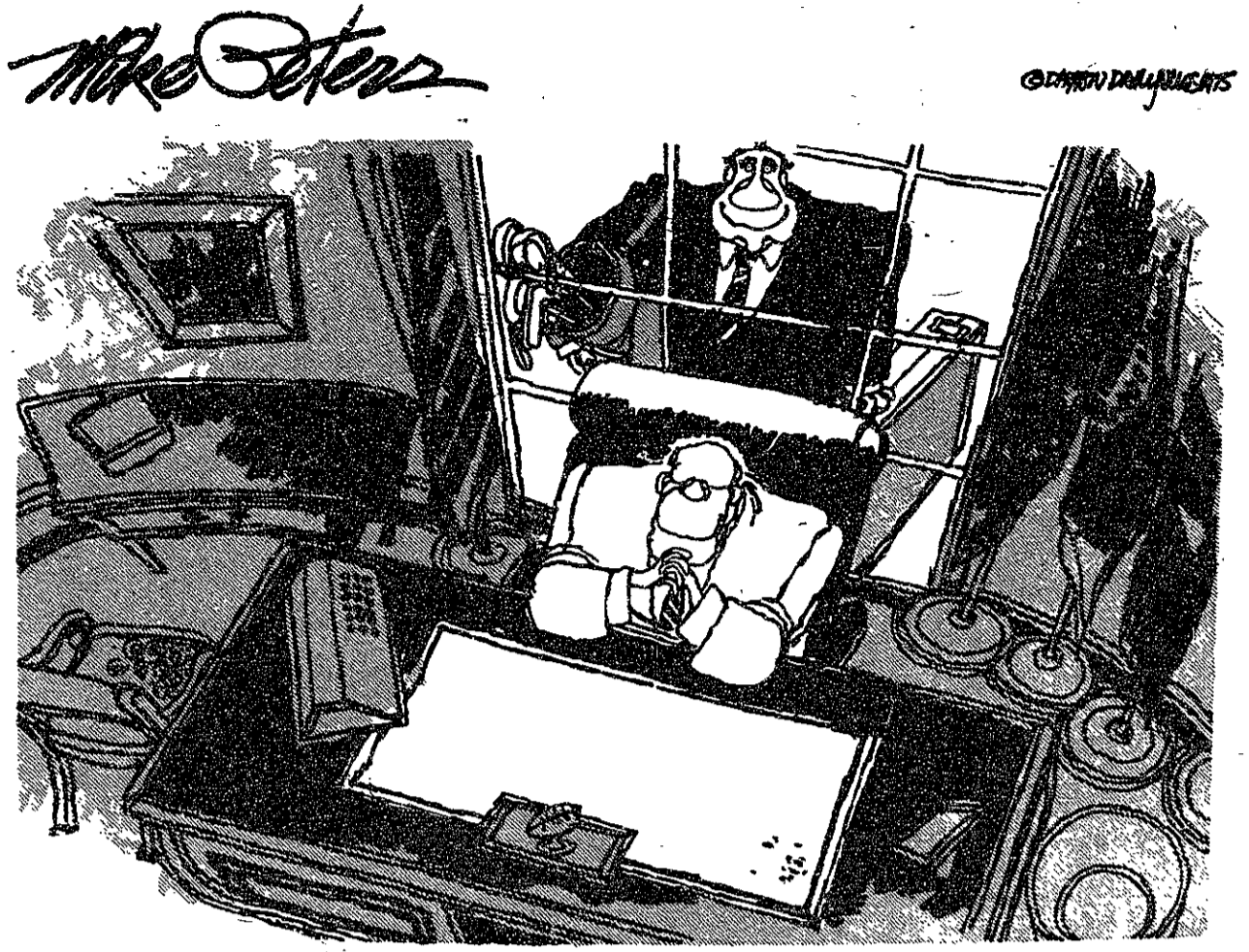


Opinion

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"LET'S SEE...HE SHOULD BE A CONSERVATIVE...PROBABLY A LAWYER...WITH LOTS OF COURT EXPERIENCE AND..."

BSU's plan to help black admissions

By Philip G. Hampton, II
 On Thursday and Friday, Oct. 23-24, the Black Student Union had a booth in Building 10 to distribute a BSU position paper on Admission Office problems. The BSU members also solicited signatures from those members of the MIT community who supported the BSU's position on these problems.

During the next ten days, the BSU Admissions Committee and the BSU Political Action committee met with black students, administrators, faculty, and John A. Mims, a former Assistant Director of Admissions, in order to clarify all of the issues and concerns to be discussed with Director of Admissions Peter Richardson.

This group decided:
 - that an experienced black person with at least five years admissions at a prestigious white Institution should be actively sought through a nationwide search to replace Mims. The input of black students and staff should be solicited throughout the entire selection process.

- that all 1000 minority students considered to be the top candidates for admission to MIT be contacted directly by MIT through phone calls and school visiting. If the Admissions Office staff finds this to be an impossible task, then minority students should be used to get the task done. Serious consideration should be given to the idea of allowing some black or minority students to do school visiting, using guidelines jointly established by the BSU and the Admissions Office.

Eight members of the BSU met with Richardson on Nov. 5. Four of these people met again the next day with the Director of Admissions. The BSU came away from these meetings less than happy. In summary, Richardson's position was as follows:

- that he does not believe that previous admission experience was a requirement for the position open in the Admissions Office. Since he had already conducted a word-of-mouth search for candidates and had interviewed many candidates, black students could not be included in all phases of the selection process.
 - that he believed that the

number of applicants for admission to MIT generated increases as the amount of personal contact increases. And since only 200-300 potential black high school students would probably be contacted this year, he welcomed all suggestions from the BSU to increase personal contact.

The BSU was appalled by Richardson's position on the issue of hiring a new minority admissions officer. The very fact that the only persons who knew of the job opening received this information through direct or indirect word-of-mouth with Richardson's acquaintances is very distasteful. Furthermore his willingness to take the risk of hiring a person without admissions experience is an affront to the black community of MIT. He takes the chance - which he admits is a serious risk - because he feels that there is no admissions office in this country that has been truly successful in recruiting black and minority persons.

Richardson, however, seems to forget that few admissions offices have MIT's ever-worsening record of "success" in this area. If this new black admissions officer is a failure, Richardson will lose a little esteem from some of the more progressive elements within the MIT community. Black people, however, will lose 50 to 100, or more, potential engineers, scientists, or economists of MIT quality. Black people don't see the need to take such a large risk, when other alternatives are available. We are tired of white folks, with little to lose, taking such monumental risks with the lives and futures of black Americans.

On the issue of black input in the hiring decision, Richardson did agree to have a small group of black students meet informally with the final candidates for the position available. This agreement is not as significant as it seems, in view of the manner in which applicants have been solicited. Also, since black people were not involved in the reading of resumes or the initial interview process, all the BSU would be doing, at best, is rubber stamping Richardson's decision. At worst, the BSU would be wasting its time, since it has no



veto power over any final decision.

The BSU has not decided whether or not to become a part of this mockery of fair play. Some black students do feel that any minute bit of input is better than none at all.

I am one however who advocates the position that if nothing significant is to be gained by being a part of a procedure, don't be a part of it. I am tired of just being a crumb-catcher or a rubber stamp.

I impress upon all members of the MIT community who are interested in the future of black people at MIT to relay this interest to the Admissions Office. Ask Richardson to reconsider his search procedure, the idea of hiring a person

without admissions experience and his offer of a bogus procedure for minority input in the hiring decision.

The second major issue - how to get black members of the class of 1980 recruited and admitted - is still partially unresolved. Richardson happily agreed to an idea presented by John W. Arnett, III, co-chairman of the BSU, that all 1000 of the top minority high school students be contacted through phone calls by minority people. The BSU agreed to provide people to look up phone numbers, compile lists of students by geographic locations, and to make phone calls. This proposal costs the Admissions Office very little money and if successful both its "black stats" and its budget will look good at year's end.

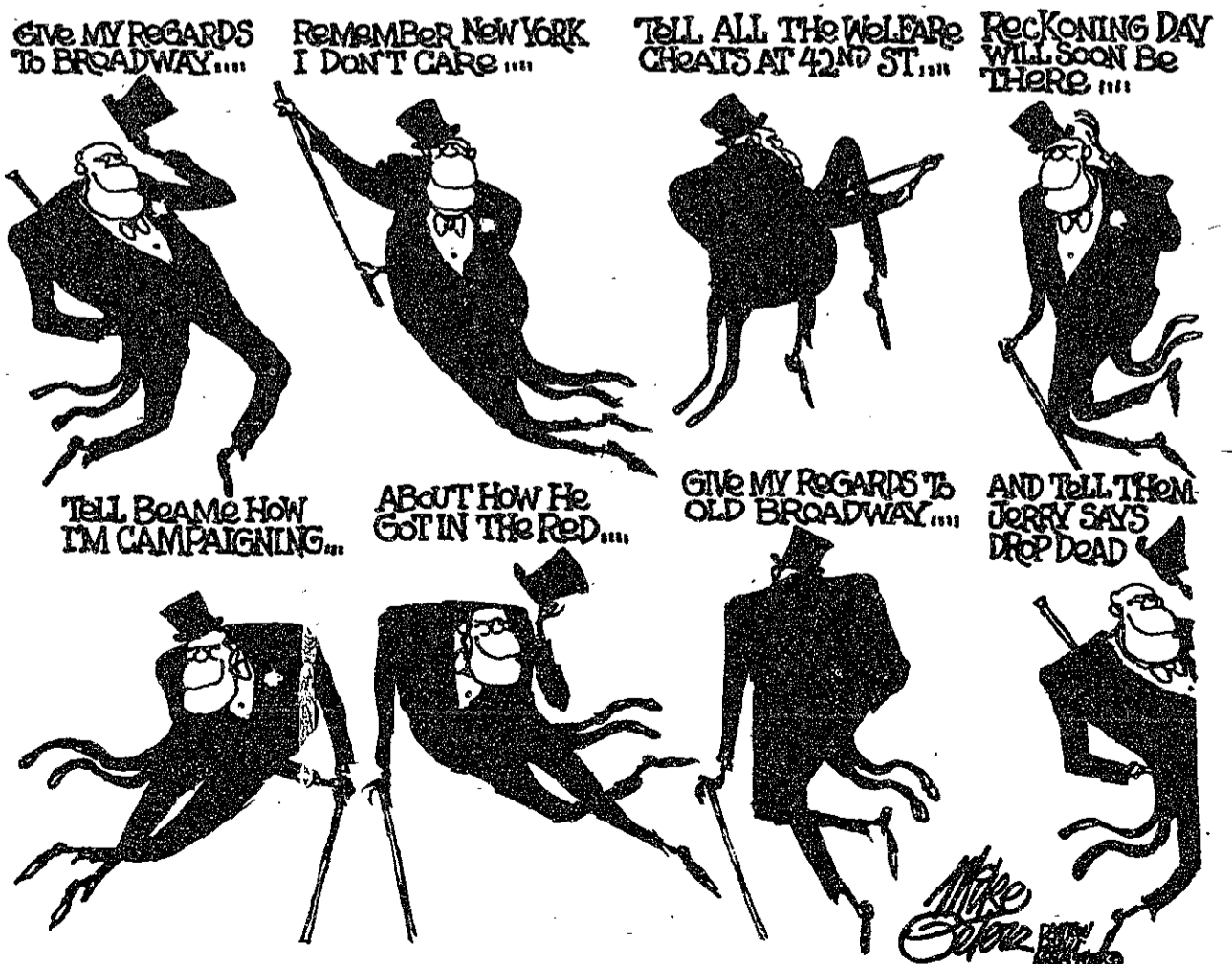
Although the BSU, of which I am a former co-chairman, is forging ahead with this idea, I must go on record in opposition to this plan. First, I do not believe black students should be penalized for being black. Black students are being asked to give up study time at the end of a semester to perform tasks that a progressive Admissions Office

would already be doing. The idea of giving free labor to an organization that has not shown overwhelming sensitivity to the problems of black people gives me negative vibes.

My strongest objection to the idea, however, is the fear of the precedent being set. If MIT can increase its minority recruitment without spending much money or putting out much effort, the Admissions Office will have no reason to have a minority recruitment program or budget. This will mean that each year the BSU will be forced to coordinate minority recruitment, a job that it should not have to do. Black students will be placed in a position of having to donate time in order to increase the number of black students at MIT.

As for sending black students to do school visiting in areas where a large number of minorities are located, Richardson hedged. He questioned whether there was time to set up such school visits and whether high schools would accept black students into their buildings. Both concerns are very weak.

(Please turn to page 5)



Letters to The Tech Selling Principles?

To the Editor:
Racism, treatment according to race rather than individual qualities, is always wrong. Yet, each week Philip G. Hampton's column in *The Tech* advocates preferential treatment for blacks which is by definition racist. As I understand Mr. Hampton, racism is bad if it means blacks are forced to the back of the bus and good if it means free trips for blacks to MIT. Such logical

inconsistencies cannot be covered simply by calling one's opponents "closed, narrow and bigoted."

Making exceptions in the area of fundamental ethical principles is very dangerous. Don't sell your principles, Mr. Hampton, for the price of train fare to MIT.

E.M. Dunn G
Oct. 24, 1975

Lunch Hour Waste

To the Editor:
In the course of my studies at MIT, I have become increasingly dismayed about the attitude of most staff and faculty members toward their lunch hour. Hard as it is to believe at this Institute, dedicated as it is to a high-speed chase of knowledge, some faculty members I know are simply *not serious at all* about their lunch hour. Some even have the audacity to treat it as some kind of *break* in their working day. Witness the following comments from some professors I know:

- "Lunch hour is a time when I relax and have a good time. I would very much miss that opportunity. Generally I do some reading on my own."

- "Lunch hour really relieves the pressure. It's the only time at the Institute when you aren't swamped by the bureaucracy. It's the only time when this place feels at all human."

- "I generally use lunch hour as a time for getting out and exploring Boston. I would be very upset if they took it away from us."

- "I use lunch hour as a time to regain my sanity. They can't take it away from us!"

How have we allowed such lax attitudes to creep into this

great Institute? Are we to become a pleasure palace for those who can think of nothing but goofing off on their lunch hour? For the sake of the entire Institute community, we must do away with lunch. It is an abomination!

Michael J. Freling
Nov. 16, 1975

Black admissions

(Continued from page 4)

The BSU has once again offered the clerical assistance to set up the logistics of the trips. Since he hasn't tried, Richardson does not know how high schools would accept black upperclassmen who would be sent as Admissions Officers' representatives and not as students. These students, most of whom have done college days or NSSFNS conferences for the Admissions Office before, would be coached in official Admissions Office policy and procedure.

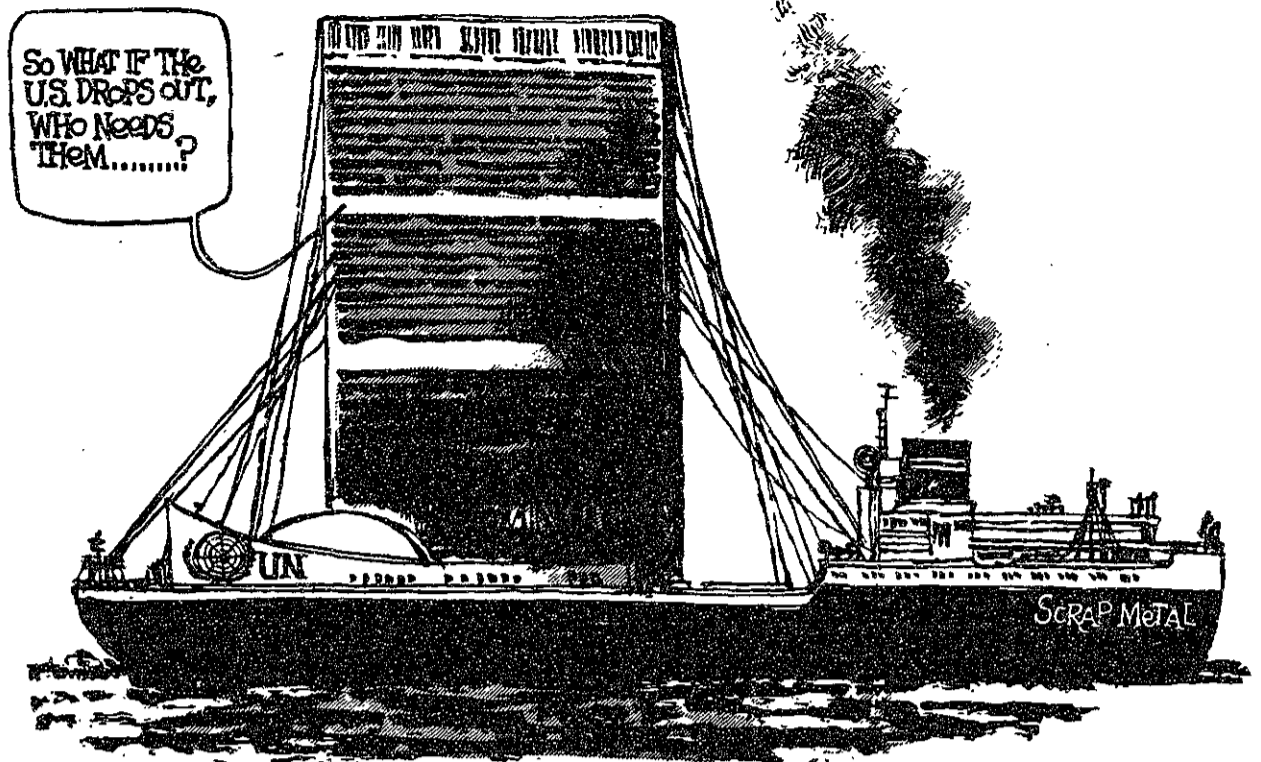
Professional appearance and manner would be required of any student wishing to go school visiting.

I believe that the BSU has been more than responsible in dealing with the Admissions Office. Hopefully our responsibility will be rewarded

with the hiring of a *valid* person in the Admissions Office to develop and coordinate a minority recruitment program for the class of '81, and future classes. We also hope that Richardson's office explores all possible methods of increasing the number of minorities in the Class of 1980, including school visits by black students. Only in this way can a trusting, meaningful relationship be developed between the BSU and the Admissions Office, both of which profess the same goal - to increase the number of minority students in the MIT community.

Mike Peters

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There will be a short informational meeting with slides and refreshments on Wednesday, Nov. 19, 7pm at
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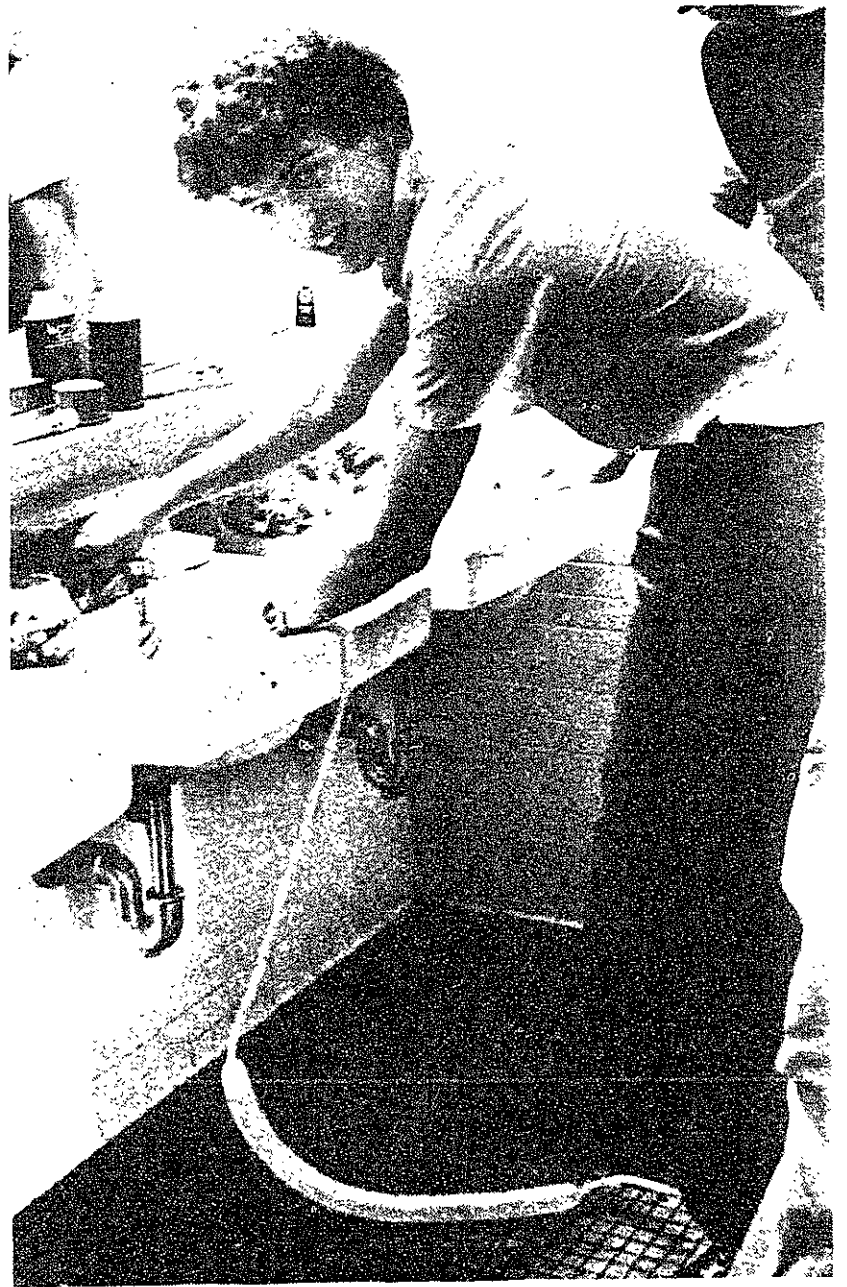
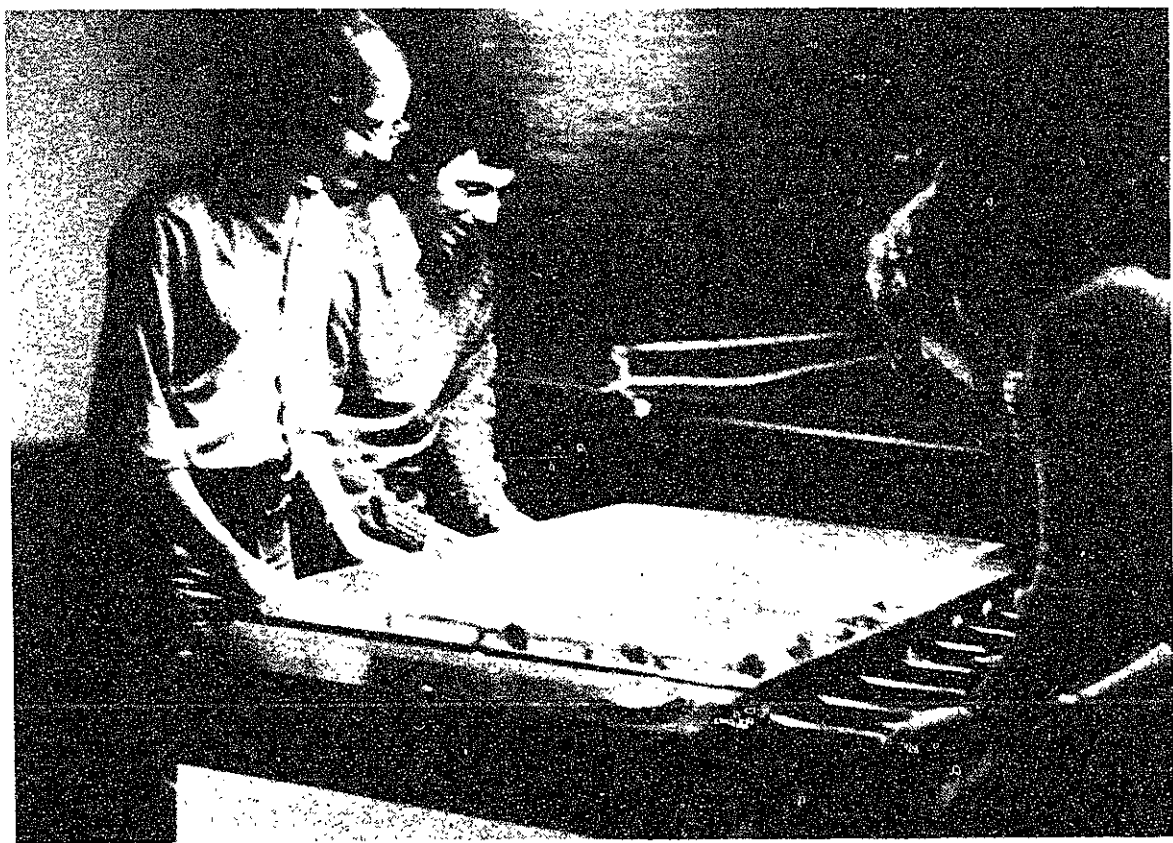
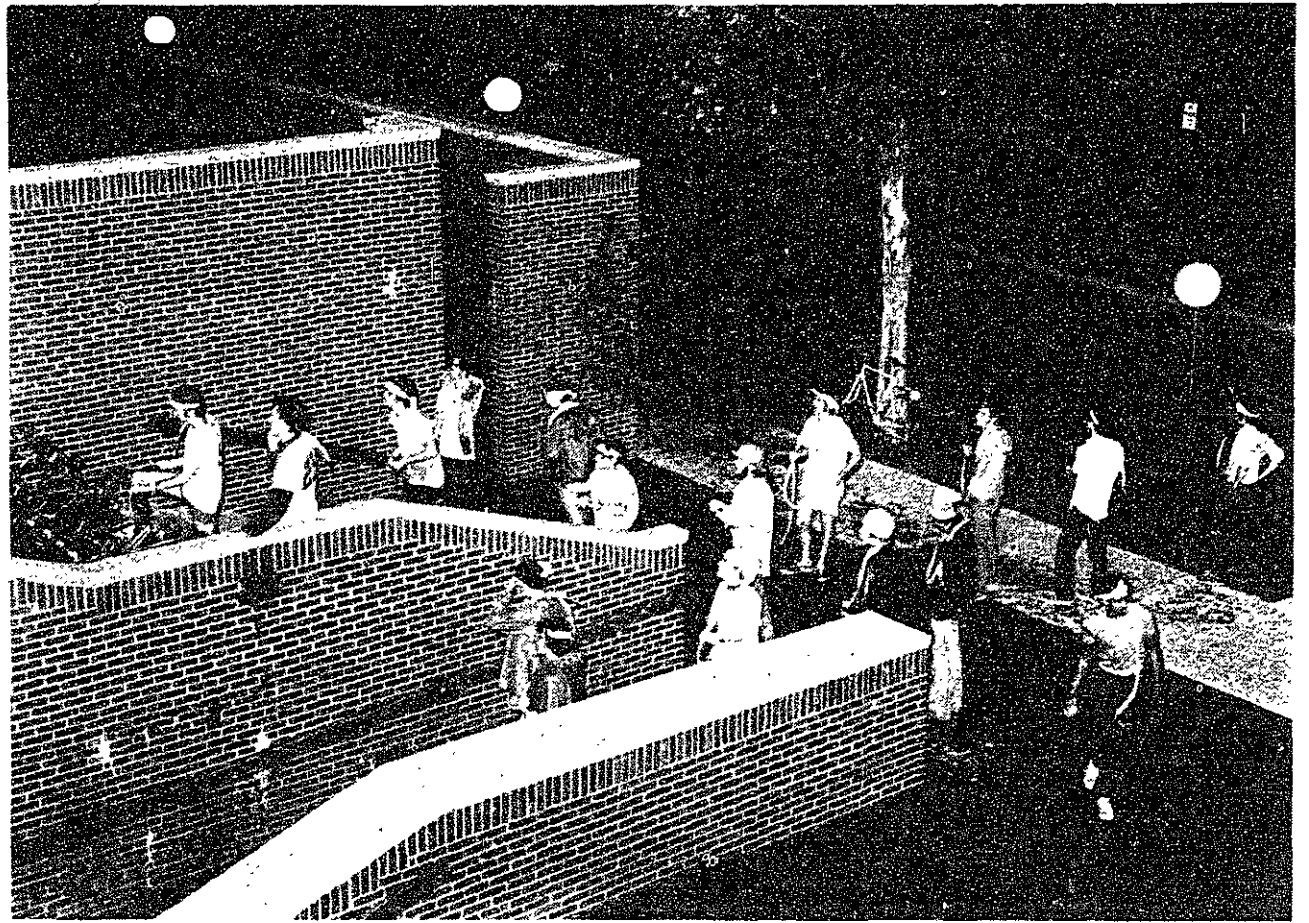


MacGregor House

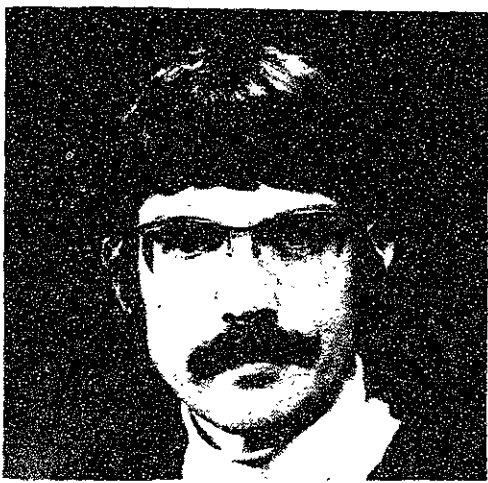
Constructed in 1970, MacGregor House consists of two sections; a sixteen story high-rise, and a four story low-rise curling around the high rise to form a courtyard. All of the rooms in MacGregor House are singles arranged in groups of six and eight, sporting the somewhat dubious distinction of having the highest rent on campus.

Photos by A. David Boccuti





Two MIT Profs To Lead Choral Concerts



John Harbison

By Stephen Owades

John Harbison of the MIT music faculty will direct the Cantata Singers in two performances of Bach's *Saint Matthew Passion* at 7:30pm this Wednesday and Thursday, November 19 and 20, in Sanders Theatre.

This season, the Cantata Singers are being led by three different conductors in their three Sanders programs, and they have no regular music director. Harbison was the group's director from 1969 to 1973, when he retired due to time pressures and health problems; this is his first appearance with the Cantata Singers since that time. John Ferris of Harvard's Memorial Church and Iva Dee Hiatt of Smith College will conduct the remaining two programs.

Cantata Singers' concerts have traditionally been "centered" on Bach cantatas, with the music of Heinrich Schutz and of various contemporary composers (including Harbison) liberally represented. These performances of the *Matthew Passion* represent a new and ambitious step for the group, into the larger works of Bach.

Karl Dan Sorensen, the regular tenor soloist of the Cantata Singers, is of course no stranger to the Evangelist roles — it is a rare Bach passion performance in this area that doesn't feature his lucid contribution. The other soloists, Jerrold Pope as Jesus, and Christine Whittlesey,

Jane Struss, Kim Scown, and James Maddalena in the arias, are less well known.

A basic premise of the Cantata Singers has been a strong, forthright sound and musical approach. On the few occasions when I have been able to hear them in the past, I have felt that vocal gusto is occasionally carried too far, especially in the bass section. Nonetheless, the group's undeniable vocal prowess, allied with Harbison's fine musicianship and the proven quality of Sorensen's portrayal of the all-important Evangelist role should make these concerts "must" hearing for anyone with an interest in Bach and in fine music-making.

Tickets are \$3 and \$5, and are available at the TCA office in the MIT Student Center, at the door on the evening of the performance, or by phone from the Cantata Singers office, 227-5625. The office can also provide subscription information on the rest of the season.

by George Harper

On Sunday, November 16 (that's next Sunday), John Oliver will lead the MIT Choral Society in its first concert of the '75-'76 season. Chorus and soloist Daisy Newman (soprano) and David Arnold (baritone) will present Johannes Brahms's *German Requiem*.

Several factors are at work here to make this an extraordinary and, potentially, exciting performance. First is the group itself. The choral music program at MIT has undergone a thorough reorganization since last year. Where there were three groups on campus — Choral Society, Glee Club, and Schola Cantorum — there is now only the Choral Society. The three groups merged their corporate identities and the resulting "Choral Society" (the name is the only real carry-over) is substantially stronger than any of the old groups could have hoped to have been. Even a simple head-count corroborates this: where the old Choral Society numbered 120 at best, there are over 200 active members in

this year's group. Sections are consequently stronger, and there's a blend and richness of tone that's been lacking in recent years.

A second factor is the concert site: Sacred Heart Church, 49 Sixth Street, Cambridge (a short walk from the east side of campus). It's worth the price of admission just to cast your ballot against that acoustical monstrosity called Kresge Auditorium.

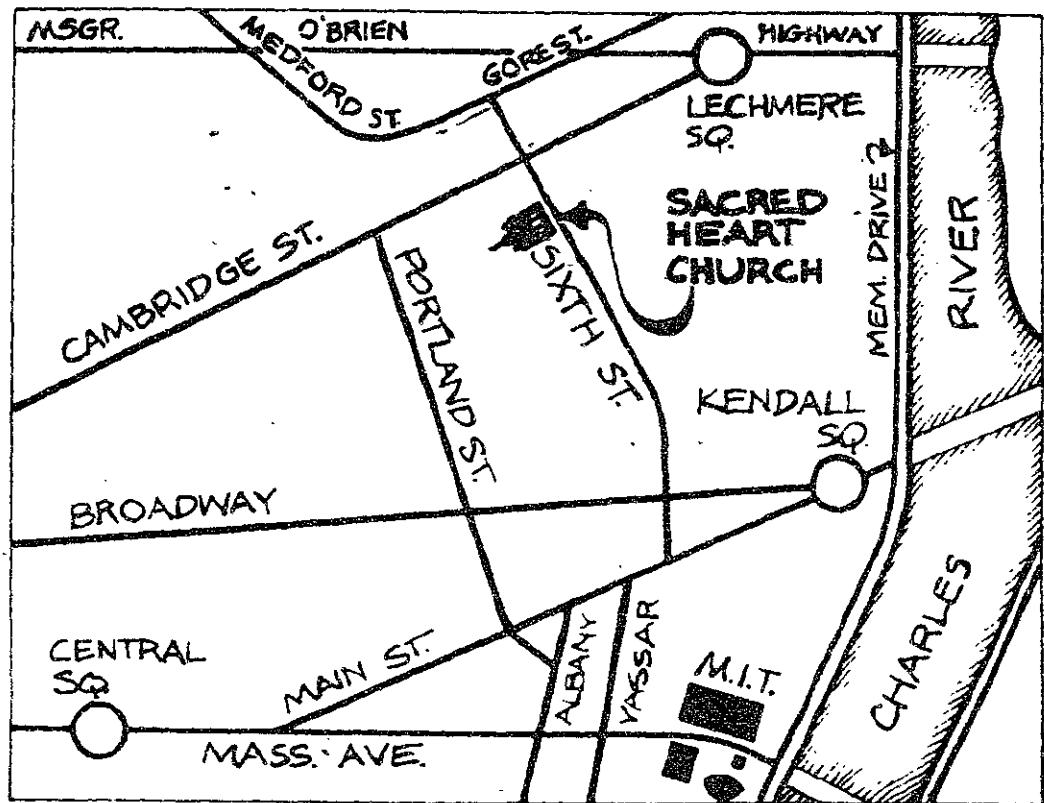
Another factor is the program material. Brahms's *Requiem* was his first universally recognized masterwork. It's full of wonderful turns, with gestures to Handel, to Beethoven, even to Schumann. Simply, it is one of the finest works of the choral repertory. It's been a long time since a group at MIT has tackled a work on this scale.

Finally, there are the soloists. David Arnold is a fine baritone who is just beginning to make a name for himself — he sang with the Boston Symphony Or-

chestra two summers ago in Ozawa's memorable production of Schoenberg's *Gurrelieder*. He has a voice of impressive size and flexibility. Daisy Newman has studied at the BSO's Berkshire Music Center, where she won the High Fidelity/Musical America Award for 1975. Her voice has a richness and luster one doesn't often find in a soprano.

John Oliver, who conducts the Choral Society, also heads the vocal program at the Berkshire Music Center and directs the BSO's Tanglewood Festival Chorus. He is on the faculty at MIT and has led the Choral Society through four years which have seen steady change and growth. This year's especially ambitious schedule includes the *Requiem*, the Vivaldi *Lauda Jerusalem* and the Beethoven *C Major Mass*.

Tickets are on sale all this week in the Building 10 Lobby, and again at the door on Sunday. They're \$3, or \$1 with MIT ID. To reserve seats, call 253-4720.



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Arab research splits Woods Hole

(Continued from page 1)

Saudi visa provisions aimed at keeping "Zionists" — which many Westerners interpret to mean "all Jews" — out of the country.

Woods Hole administrators have "been aware of the potential for discrimination in this contract since the negotiations began" last spring, according to James Heirtzler, head of the department of Geology and Geophysics and a major figure in the Saudi talks. "We incorporated several clauses in the proposal that we're making to the Saudis designed to ease fears and ensure that our researchers' rights are protected," Heirtzler explained.

But opponents of the program are not convinced that the administration's moves are strong enough. Goldman and other researchers started a petition drive which netted about 200 signatures calling for "reconsideration" of the institution's dealings with the Saudis — a petition which Goldman said made a "pretty strong impression" on administrators. A "Women's Committee" representing female staffers has protested the proposed contract.

"We've raised the question of what the institution is going to do about discrimination, and they've taken a very bland attitude about it," Goldman said.

Goldman dismissed the clauses which Heirtzler said were placed in the proposal as "very patronizing," and accused the negotiator of "total ass-kissing of the Arabs." "After the MIT contract talks last spring and the Big 10 (in which several Midwestern schools turned down a program because of potential discrimination) the stage has been set for how Woods Hole should act," Goldman said. "But the administration hasn't acted very well at all."

Heirtzler argued, however,

that the institution has made its anti-discrimination position clear to the Saudis, and they understand Woods Hole's requirements. "They feel that their discrimination is political, not religious or racial, and that they're keeping people with whom they are at war out of their country," Heirtzler said.

The Jidda proposal has not yet been submitted to the Saudis yet, as Woods Hole "lets the whole controversy shake itself out," Heirtzler said. The proposed Iranian research — an international cooperation program in which Iran would pay 40 percent of the cost of a study of the Persian Gulf and the Gulf of Oman, with the National Science Foundation supporting the remainder — has run into less controversy and is well on the way to being a signed contract, according to Associate Scientist David Ross.

"It's a small scale program, just involving two or three of our people in oceanographic research and some training," Ross explained.

The Iran program hasn't raised the questions of discrimination — "this is business as usual for Woods Hole," Ross said. But some researchers at the institution are looking at that program as a means of developing the broad question of how Woods Hole should deal with foreign governments in general.

"I feel that we should try to work with any country as long as the institution makes it clear just where we stand on protecting the rights of scientists," Ross said. "The Saudi thing has just gotten out of hand because people are feeling insecure about where Woods Hole will come out. Internal communications are what are lacking."

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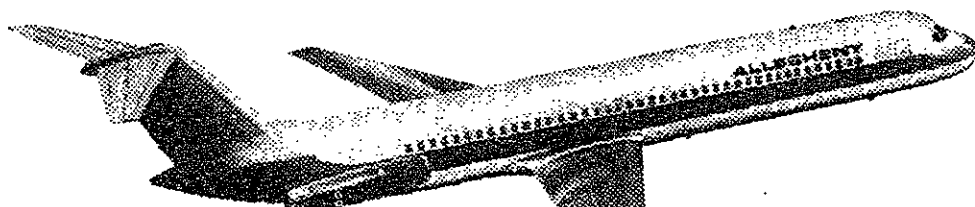
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For more information contact the UA secretary at x3-2696.

UMOC wins second title

(Continued from page 1)

their success to "knowing where the money is." "We split up," said Hughes, and canvassed both the frats and dorms, collecting \$280 Thursday night.

According to the Count, "it's a lot of work - a five-dollar bill was our biggest single contribution." Most of the money the winning pair

collected was \$1 and 50-cent donations.

Thw two top prizes, a dinner for two at Nine Knox and another at Whimsey's, will go to Igor and the Count. Goldstein will receive a dinner for two at the Top of the Hub. All three prizes were donated to the contest by the restaurants.

David Anick '77, this year's UMOG chairman, said this year's poor total, compared to previous years, was caused by "that holiday in there" on Tuesday. "It was effectively a three-day UMOG," he explained.

Officially lasting eight days, UMOG this term was longer than most in recent years. "It didn't do much good," said Anick. Candidates said the long UMOG "demanded too much," citing loss of a week's worth of study as a major problem.

When asked what was in the future for UMOG, considering the recent drops in the contest's success, (see chart) Marian Tomusiak '77, an APO Vice-President, said that APO "might decide to get rid of it," but that APO has "nothing to replace it."

If the contest is run next year, will Igor and Count UMOG try for a third win? "I don't think the Count will rise again," said Hughes, "I may be a manager next year."

Nuke power safety questioned

(Continued from page 1)

safety during a court hearing." The AEC has since been replaced by the Nuclear Regulatory Commission (NRC) and the Energy Resource and Development Administration (ERDA).

Kendall stated emphatically that there are "problems all over the place. Westinghouse (a major manufacturer) is being sued by Sweden for selling defective equipment. The "nuclear boom is definitely over."

Asked about WASH 1400, Kendall flatly stated, "I don't believe it." While he did not imply that the report was biased, Kendall said that his view of what constitutes "acceptable" safety margin and WASH 1400's view do not coincide.

Kendall is trying to advance his view through private promotion. He is not alone. Consumer advocate Ralph Nader has a committee working against nuclear expansion, of which Kendall is the Principal Technical Advisor.

The reason for the current

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state of nuclear safety, Kendall said is deeply seated in the early years of nuclear reactor construction, which began with the first electric nuclear reactor in 1959. The nuclear reactor industry was in "too much of a hurry," he said, and did not exercise enough concern for safety. Kendall believes that their priorities were in the wrong place.

Kendall said he felt "nuclear energy should be used as a last resort. It is the least satisfying sort of power."

Looking toward the future, Kendall proposed a halt to nuclear construction until certain safety issues are cleared up. "I don't know all the

answers," he said. "however, that doesn't mean that we should ignore the problem. We should stop building reactors until we get satisfying answers. There are problems from the late 60s and early 70s which are still unresolved."

The economy of the nuclear industry is having problems also, according to Kendall, as two-thirds of the planned reactors have been either delayed or cancelled.

Kendall said he advocates vigorous action to prompt safety legislation from state legislatures and Congress. He wants more effective measures to reduce the possibility of nuclear disaster.

NOTES

* Laura Shapiro, women's columnist for the Real Paper will speak tonight on "Women and Feminism" at 7:30pm in the West Lounge of the Student Center. This is the final lecture of this semester's SACC Social Issues Forum.

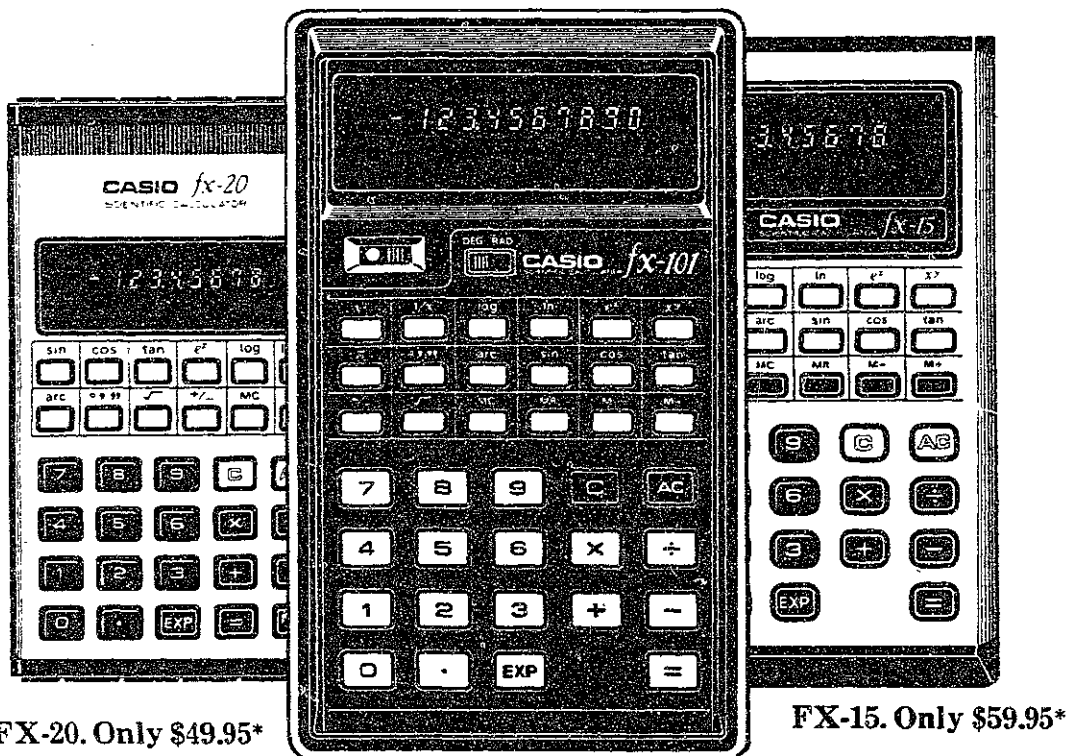
* There will be a total eclipse of the moon commencing just before sunset on Tuesday, Nov. 18. Totality begins at 5:03pm EST.

* On Nov. 21 at 8:30pm, Dr. Will Watson will speak on "Anarchist Organization in Spain," in Room 9-150 as part of the Black Rose Lecture Series.

* MIT Hillel will present Bat Kol, a Jewish Dance Group from New York City, performing "Portraits of Biblical Women," free on Nov. 23 at 7:30pm in Kresge Little Theatre.

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Sports



Greg Coutts '77 (second from left) pursues BC's scrum half who has just passed the ball out from set scrummage. Jim Caruthers G (3rd from left) backs up the pursuit. MIT edged BC in the game played last week, 7-6.

Ruggers finish season by topping Tufts twice

By Charles Cox
The MIT rugby team allowed only one Tufts try and conversion in its 23-6 victory over the Jumbo ruggers Saturday at Briggs Field. Joe Beaman G and Jim Caruthers G each scored a try in the first half and Rusty Saunders '77 added two more in the second. Two of the tries were converted by John Kavazanjian, who also added a penalty goal to the Engineer scoring effort. The packs were evenly matched in size and weight, but the Engineer front row of John Veneziano '78, Bill Thilly, and

Kirk Carlson '77 stole many of Tufts' hooks. With Russ Johnsen '76 at number eight overseeing MIT's defense, the Engineer pack effectively stopped almost all of Tufts' offensive movements from scrummage. The Engineer 'B' team followed the 'A' side rout with a 24-3 victory, allowing Tufts just one penalty goal. Drew Jaglom G and Tim Dove '79 both scored tries and a pile-up in Tufts' in-goal resulted in another. Tom Bryant G kicked two penalty goals and converted a penalty try for the balance of the scoring.

SAE grapplers take IM crown

By Farrell Peternal
A two-year intramural wrestling championship reign came to an end for Sigma Chi Saturday as Sigma Alpha Epsilon upset the pretournament favorites by a narrow margin to capture its first IM wrestling crown since 1970.

Though the SAE 'A' team led the seventeen-team tournament after every round, SC was never more than six points behind and appeared to have the advantage in the final round. SAE came up with a total of 68 points to top SC's 65. Baker "A" team finished with a strong 53 points with Phi Gamma Delta and Lambda Chi Alpha close behind with 43 and 32 points, respectively.

Oddly enough, SAE had no individual champions, while SC had two - Kirk Scattergood '79 at 126 pounds and Gordon Zuerndorfer '78 at 142 pounds - and Baker had three - Jordan Kreidberg '79 at 118, Barry Blancha '78 at 177, and Dan Swanson '76 at Unlimited. The difference came in the number of people in second, third and fourth places. SAE had eight wrestlers placing in the top four compared to six for SC, four for Baker, and five for FIJI.

Delta Tau Delta took fifth place on the strength of 134-pound John Kenny '79 and 158-pound Mike Raphael '79 (who wrestled with a broken nose), each of whom took first place in his weight division.

A three-man team labeled EP (which allegedly stands for Extemporaneous Persons) tied for tenth place with Delta Kappa Epsilon solely on the efforts of Bill Williams '76 who captured the title in the 150-pound weight class.

This year's annual intramural tournament was the largest in recent history, with 116 students participating, a great increase over the 87 who wrestled last year. The officiating of the 145 matches was excellent due to the expertise of the MIT varsity wrestlers who served as referees and officials. There were several overtime matches during the day and twice contests were determined by judges' decisions after even scores at the end of the overtime periods.

The fastest pin of the day came in the first round when Kim Rulon '76 of LCA stuck his opponent in twenty seconds. Outstanding individual efforts came from Steve Sifferlen '78 (FIJI) and Zuerndorfer, who pinned all their opponents to take the championship of their respective divisions. Sifferlen took only 4:58 of total wrestling time in three matches and Zuerndorfer took 7:29 in four matches to coup first place.

Blancha of Baker had three pins, and Kenny and Raphael of DTD, the latter wrestling in the largest and possibly toughest class, had two sticks apiece on the way to their crowns.

Final team standings were as follows: SAE 'A' 68, SC 65, Baker 'A' 53, FIJI 43, LCA 32, DTD 29, PKS 26, ATO 25 1/2, BTP 18, EP 13, DKE 13, DU 11, East Campus 9 1/2, PLP 3, ET

- 1, SAE 'B' 0, Baker 'B' 0.
Individual placings are as follows:
118 - Jordan Kreidberg (Baker), Neil Sakima (ATO), George Colpitts (FIJI), Peter Curtalo (ATO);
126 - Kirk Scattergood (SC), Eric Raefsky (BTP), Phil Morris (EC), Mike Waxman (SC);
134 - John Kenny (SC), Roger Cogswell (LCA), Rick Egwasko (SC), Jose Valle (FIJI);
142 - Gordon Zuerndorfer (SC), Sean Seago (SC), Bill Petro (Baker), Kim Rulon (LCA);
150 - Bill Williams (EP), Greg Holzworth (FIJI), Milton Roye (DKE), Steve Clafin (BTP);
158 - Mike Raphael (DTD), Greg Fenton (ATO), Paul Bishop (SAE), Jim Hagadus (SAE);
167 - Bob Layfatis (PKS), Mike Lee (SAE), Mike Narlan (DU), Lou Heavner (FIJI);
177 - Barry Blancha (Baker), Bob Tatz (SAE), Andy Weiner (PKS), Mike Ries (LCA);
190 - Steve Sifferlen (FIJI), Bob Flagg (SAE), Dave Packey (SC), Craig Christiansen (SAE);
Unl - Dan Swanson (Baker), Steve Stein (LCA), Fred Bunke (SAE), John Lundberg (SAE).

Sporting Notices

Proficient skaters are needed to teach members of the newly-formed MIT Figures Skating Club. Anyone interested in teaching or joining (prospective members must be able to skate backwards) should come to the first session, to be held from 11:30am-1pm on Sunday, Jan. 16. For further information, contact Esther Horwich at Dormline 5-8512.

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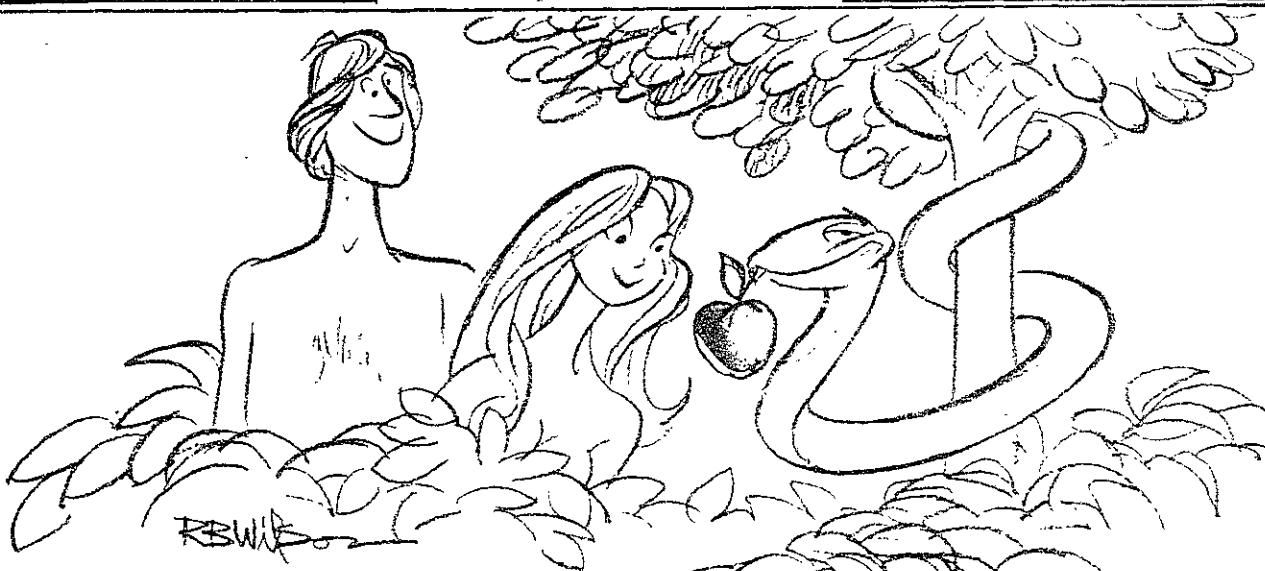
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If Adam and Eve were tempted by only one big, round, juicy delicious apple, think what tempting things can happen with 20 of them!

That's how many whole, tree-ripened apples go into every fifth of Laird's Apple Jack. And what comes out of it is pure pleasure. That subtle hint of apple that comes through naturally in every drink you make with it.

Here are just a few.

Jack Rose. One jigger lemon juice, 1/2 jigger grenadine, 2 jiggers Laird's Apple Jack. Shake

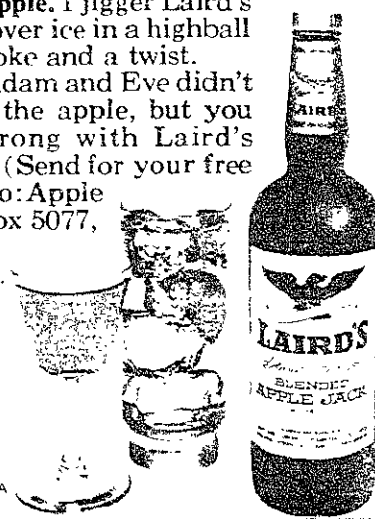
with ice; strain into cocktail glass.

Big Apple. Pour one jigger Laird's Apple Jack into a highball glass, over ice. Fill with 7-Up. Add a slice of lemon or lime.

Coke & Apple. 1 jigger Laird's Apple Jack over ice in a highball glass. Add coke and a twist.

Maybe Adam and Eve didn't do right by the apple, but you won't go wrong with Laird's Apple Jack. (Send for your free recipe book to: Appie Jack, P.O. Box 5077, New York, N.Y. 10022).

LAIRD'S APPLE JACK





Engineer harrier Frank Richardson '77 (top) passes the three-mile mark in Saturday's NCAA Division III Cross-country Championships at Franklin Park in Boston. Richardson completed the course in 24:31 to finish fifth, only four seconds behind meet winner Vin Fleming of the University of Lowell. Jeff Baerman '76 and senior captain Courtney McCracken (278) were MIT's second and third scorers, finishing 119th and 126th respectively in the race.



MIT's Lisa Jablonski '77 (10) tries to spike through the block of Eastern Nazarene's Donna Fandel during match point of the state volleyball championship held Saturday at BU. Fandel's attempted block went into the net, giving the MIT squad the title.

Volleyball captures state title

By Glenn Brownstein

The MIT women's volleyball team completed its sensational season Saturday at Boston University by winning the Division II Massachusetts state volleyball championship, defeating defending titleholder Eastern Nazarene in a tightly-contested final, 15-9, 15-9.

The win was MIT's 15th of the year against only one defeat (that to Nazarene during the regular season) and garnered for the squad its second tournament title in as many weeks (MIT won the Metropolitan last Saturday).

In the tourney's first round, MIT handled Holy Cross in straight games in the first round, and then split the first two games of its semifinal match against Wheaton.

In the third and deciding game, MIT's title hopes appeared to be dashed when Wheaton ran

up a 10-0 lead against a suddenly ineffective Engineer squad.

MIT, however, ran off eleven straight points and hung on gamely to notch a 15-13 victory and move into the championship showdown against Eastern Nazarene, whom the Engineers had beaten to win the Metropolitan last week.

The squad's match against Nazarene was by far the most decisive of the three the rivals have played this year.

Despite opening up an 11-2 lead on the strong serving of Karyn Altman '78, Sheila Luster '78, and Lisa Albright '79, and the spiking of Linda Yester '76, MIT faded to allow Nazarene to run off six points and make the game competitive again.

Altman served three points to bring MIT within one point of game, though, and Kathy Mensler '77 hit a game winning spike on MIT's second serve

following.

In the second game, the same pattern was followed. Altman served six straight points (four of which were not returned) to open up a 7-2 lead for the Engineers.

Yet Nazarene rallied on the strength of some sloppy MIT play to take a 9-7 lead and apparent control of the game. This time Lisa Jablonski '77 was the stopper, serving out six points, and spiking through a poor Nazarene block four serves later to give MIT the title.

Although MIT's tournament victory capped a very successful year, the team's season did end on a disappointing note, as the hoped-for bid to the Easterns next weekend did not materialize, as only Springfield College was selected among all Massachusetts schools to take part in the regional championship.

Sports

Richardson fifth in NCAA x-country

By Dave Dobos

Junior Frank Richardson's fifth place finish lead MIT to 18th in the NCAA Division III Cross Country Championships Saturday at Franklin Park.

With an amazing final 100 yard sprint, Lowell University's Vince Fleming edged out Joel Jameson of Occidental (California) for the individual championship. North Central College (Illinois), placing three runners in the top 20, swept to the team title with a low score of 91 points.

Fleming's kick was a fitting climax to an exciting race. Jameson had held the lead throughout the entire five mile event, with Richardson, North Central's Bruce Fischer, and Case-Western Reserve's Pete Kummant see-sawing back and forth for the following three places. With a half mile to go, Fleming, then in fifth, began to move on Richardson (who was second) and the other two. After he passed Richardson, a free-for-all sprint ensued. Fleming caught Jameson, who was runner-up for the second straight year, right at the wire. Kummant finished third in 24:28, just one second behind the leaders. Fischer followed in 24:29 and Richardson wound up fifth with a 24:31.

Richardson was pleased with his performance but did not believe that this had been his best race. He said that he had run better against Boston College and Lowell in a dual meet which MIT won earlier in the season. There, in racing to a 24:30, he defeated both Fleming and BC's Jim Capazuto. Commenting on Saturday's race Richardson said, "The start was amazing. You had to sprint out the first two hundred yards."

310 athletes, including 42 complete teams, were entered in the championships. MIT coach Pete Close was openly happy with his team's showing. Seniors Jeff Baerman (26:18-119th place) and captain Courtney McCracken (26:21-126th), Barry Bayus '79 (26:29-134th), and Steve Keith '77 (26:37-150th) rounded out the Engineer scoring team. Tom Clark '79 (27:30) and Chris Svendsgaard '78 (27:43) also competed for the MIT varsity. McCracken, running in his final meet as

captain, had been hoping for a top twenty finish for his squad. MIT finished 18th out of the best small colleges in the nations. The team members were quite appreciative of the large number of MIT students who turned out for the event.

North Central's first place team finish was a great improvement over last year's third. Although improving some 37 points—over last year, Occidental could manage only the runner-up trophy for the second year in a row. Brandeis, the local favorite, moved up on place over 1974, finishing third with 151 points.

MIT avenged earlier season losses to RPI and Williams by

placing ahead of both of them in the meet. Brandeis was the only school that defeated the Engineers every contest in which the two competed.

It has been quite a successful season for MIT, compiling an 8-4 dual meet record, placing sixth in the Easterns, and now finishing 18th in the Nationals. The Engineers only lose two seniors, Baerman and McCracken, to graduation. Next year MIT will again be quite competitive, especially with Richardson, who achieved All-American status for the second time in six months. The team looks forward to the 1976 Nationals in Cleveland hosted by Case-Western Reserve.

Foul Shots

By Glenn Brownstein

"(AP) — The Utah and Virginia franchises in the American Basketball Association said yesterday that neither has sufficient funds to meet payrolls they must pay by tomorrow, meaning the beleaguered ABA could lose two more teams."

In the past two months, one professional sports league (the World Football League) has folded and another is in grave condition (the ABA), bringing us to the subject of the ever-increasing money being poured into professional sports (mainly for salaries) and ever-decreasing returns.

The WFL tried to go too far too quickly — adding eleven rooting interests to a public already saturated by 26 pro and 150 major college football teams. Attendance inconsistencies damaged the league's credibility and fantastic salaries ruined its chances for survival.

The ABA's problem is primarily related to long-term salaries that the clubs (or in the case of the now-defunct Baltimore and San Diego teams, the league) must pay. Having been in existence eight years now, the league has two confirmed money-makers, the Denver Nuggets, averaging 15,000 fans per game, and the New York Nets, averaging only about 9000, but profiting from the same ownership that has since done so well with the Islanders of the NHL.

San Antonio, Kentucky, and Indiana, while losing relatively small amounts of money, have survived well with lower payrolls in basketball-hungry areas, but St. Louis, Utah, and Virginia, the latter two franchises plagued with noncompetitive teams, are in deep financial trouble.

The Spirits of St. Louis (yes, another catchy franchise name), despite Marvin Barnes and Don Chaney, are drawing barely 1500 fans to each contest in a city with no highly popular college basketball program.

The problem is that even if the league drops to five or six teams, the long-term contracts it must honor may very likely cause it to fold, with the possibility (not large) that the NBA will accept the Nets and Denver next year in an expansion to 20 teams.

In any case, it is likely that the problems of non-established leagues and unchecked expansion will lead to more and more difficulty, until finally the number of pro teams is reduced to manageable size, and the fans begin to get their money's worth after barely tolerating the inevitable quality decrease of the pro sports product.

Speaking of money's worth, the official reason for Fenway Park's new electronic scoreboard is that the Red Sox can sell commercial time and make money. It makes little difference that it will look quite anomalous propped above the 1910-era ballpark, and damage its unique atmosphere. It's just kind of a shame that the overwhelming influence of money (and the lack of it) on professional sports has pressured Sox owner Tom Yawkey to deface an otherwise beautiful baseball stadium with a gadget that belongs with the domes and the artificial turf, not with Fenway Park.

On the subject of money, it appears to be a concern for colleges burdened with running pro-level football programs that moved the NCAA to establish roster limits for collegiate sports. The proposal, supported by many Division I and several Division II colleges, has for obvious reasons met with serious objections from Division III (small college, no athletic scholarships) members.

For MIT, establishing a roster limit goes against the purpose of the Institute's intercollegiate program, which endeavors to maximize participation of students rather than to make money or to win national publicity and gain donations from chauvinistic alumni.

In the past, MIT teams have not cut anyone who wanted to make a commitment to participate for an entire season, which ideally (I think) is what intercollegiate athletics should be.

Putting a limit on the number of participants is fine for schools interested in minimizing the cost of a "big-time" program, but it has no place in athletic programs where the purpose is to maximize opportunity, not revenue.