

## Federal funds may be available to pay for MIT dorm construction

By Mike McNamee

MIT's problems with financing New House and a proposed new West Campus dormitory may be eased a little by new developments within the federal government.

A conference committee of the House of Representatives and the Senate has approved language which would enable the Secretary of Housing and Urban Development to re-open the College Housing Program, which was closed in 1973.

Such an action would make about \$136 million in long-term, low-interest loans and debt-service grants available to colleges and universities to help finance new dormitory construction, completion of on-going dorm expansion plans, or renovation of existing campus housing facilities. MIT, which is still searching for \$500,000 of funding for New House and which hopes to replace \$5.9 million in general Institute funds used in that construction, is planning to take "a very hard look" at the congressional action to see if the Institute can qualify for loans or grants under the federal program.

"We're certainly pleased to hear about that action, and we will definitely go after funding from HUD for the dorms," Vice President Kenneth Wadleigh told *The Tech*. "There may be some question as to whether our dorm construction will qualify for assistance under this program, however."

The College Housing Program, formed under the Housing Act of 1950, provided funding for about 1 million dorm beds in its 23 years of operation, according to Richard Ulf, former director of the program. The program distributed about \$3.6 billion in 3-percent, 40 to 50-year loans or in grants which paid all interest above 3 percent on bonds and other capital-generating devices for expansion of college dorm systems.

"We were the only source of

capital for many private schools up in your area - not MIT as such, but Northeastern, BU, and so forth," Ulf explained. "College Housing financed a lot of the dorms and student unions up in the Northeast."

The program was closed, however, when then-President Richard Nixon ordered \$964 million in borrowing authority diverted to other uses in January, 1973. The program had about \$136 million in outstanding loans at the time, funds which will be available for future projects under the latest congressional action.

"The language in the reports (on HUD appropriations) suggests that the funds that come in to HUD as repayment for past loans by used for new projects, completing on-going projects, and renovations," Tom Vandervoort, a staffer for the Senate Appropriations Committee, said. "That doesn't mean that HUD has got to put that repayment money to use - but I think the department would be hard-pressed to ignore the congressional suggestions."

And Ulf pointed out that even if HUD wants the program started again, a lot will depend upon the Ford Administration and the Office of Management and Budget. "It's going to take some time to see what happens," he said. "OMB will have to apportion the funds, and if they don't give them out, there won't be a program."

MIT has used College Housing Program funds before - but not without difficulty. Although the money was a "major aid" in building Westgate, Tang Hall, Eastgate and MacGregor House, MIT "had to go through shenanigans" to meet the standards HUD set for dorm construction to get funding from the program.

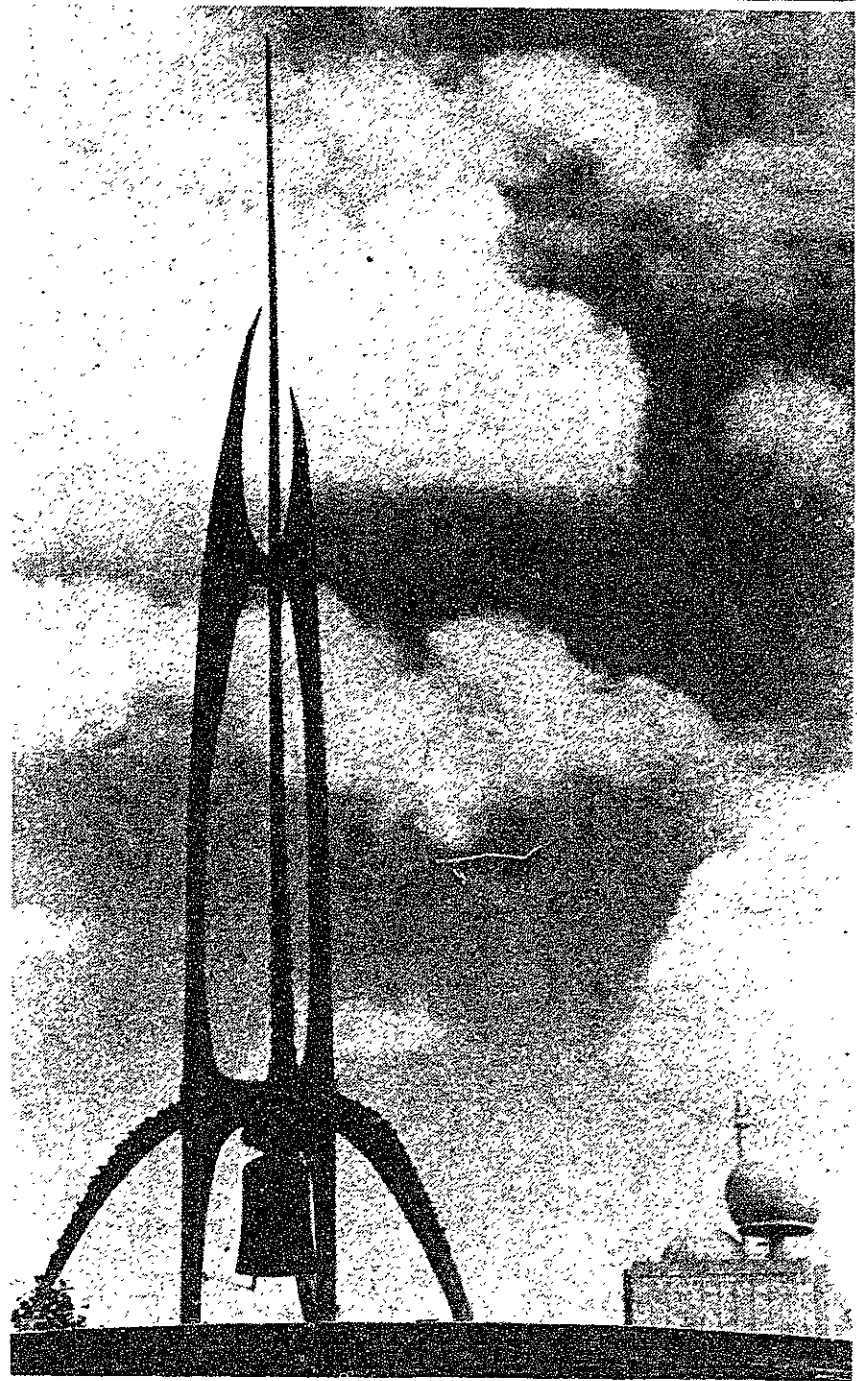
"The College Housing plan was a beautiful source of funds for many years," Assistant to the Vice President for Operations Richard Sorenson said.

"But their standards for dorm construction were lower than ours in so many ways that we were really constrained in using their money."

Sorenson explained that the HUD standards were geared to "high-rise, modestly-constructed and furnished" housing for schools which were undergoing rapid expansion. "Their figures on square feet per student and dollars spent per square foot were really lower than we cared to build to," Sorenson said.

As a result, MIT "took some spaces and called them something else" to qualify for funding. "They had money for things other than dorms, and so we treated some dorm space as different facilities to get around their low limits on spending," Sorenson said.

MIT would probably have used the loan money again in financing New House had the program continued, according to Sorenson, but that option may be closed now. "We were just getting ready to take an application to them to consider for new dorm construction when the program was closed," he explained. New House was therefore not designed with an eye towards federal funding, and it might be difficult for the Institute to qualify for aid.



A. David Bucartt

## Solving the world's equation

By Daniel Nathan

As complex as the world seems to be, it can be broken down and expressed as an equation containing only a few thousand variables.

And studying that equation, according to Germeshausen Professor of Management Jay Forrester, is the goal of the field of systems dynamics - the science of analyzing and predicting what will happen in complex systems.

"Everything we do is based on some sort of model," For-

rester told a Lecture Series Committee audience Monday night. "When Americans elect a senator, they're asking him to solve a 1000-order system model with social, political, and economic implications every time he votes on something. Systems dynamics says that such systems can be solved."

Forrester outlined the history and roots of systems dynamics, which he and several other scientists used to produce the controversial MIT/Club of Rome study, *The Limits of Growth*. That study predicted that increased pollution and population would put a brake on mankind's expansion in the 21st century.

Systems dynamics, Forrester said, is founded on three bases: - Classical observation, debate and leadership as a method of analyzing the tremendous amount of information available

on a given system or model.

- Cybernetics, or the development of feedback systems as a means for judging and organizing information and the interactions of the system;

- Computer science, as a tool to process data, handle information, and experiment with various systems under study.

Forrester said that although the social system is "highly non-linear," a workable model can be made to study its behavior. He pointed out examples of systems in society, and the role which they played in interpreting the society's action, stressing such models as the relationship between capital, labor, and production; the cycle of the effects of engineering on population, population on environment, and environment on engineering; and various business cycle models.



John Hopper

Professor Jay Forrester, who pioneered the study of system dynamics in industrial and regional planning, discussing the "Limits to Growth" report, which predicts environmental collapse within 200 years, at an LSC lecture Monday night.

## Copying bill pending in Senate

By Thomas Mayer

The issue of copyright has been hotly debated with the contest recently reaching journals such as *The New York Times*, but the legislation intended to settle the matter is several months away from passing Congress.

S1361, which the Senate passed last year, made librarians fear for their right to photocopy, microfiche, or computer-store copyrighted material. The bill redefined the issue of "fair use", the concept which allows librarians and educators to freely copy copyrighted material for educational purposes, in language that appeared restrictive.

Librarians were concerned that publishers would use this bill to enforce the collection of royalties for each copy. However, S1361 died with the 93rd Congress, sending Congress back to square one.

As a result, the patent and copyright subcommittees in both branches of Congress have started over with bills practically identical to S1361. The original sponsor, John L. McClellan, D-Ark. reintroduced his bill as S22 in January.

McClellan's subcommittee has completed hearings on the bill, which is presently before the full Judiciary Committee. The subcommittee's assistant legal counsel Edward Williams, doesn't see the bill passing both houses until sometime next year.

Even so, the Senate is further along than the House, which only started hearings on HR223 on May 7, and has yet to get the bill out of the subcommittee. HR223, sponsored by subcommittee chairman Robert W. Kastenmeier, D-Wisc., is identical to the Senate's bill according to subcommittee legal counsel Herbert Fuchs.

Fuchs expects final hearings on the bill by the end of this month, with the bill then going to the full Judiciary Committee. The legal counsel to the Majority Leader's office expects the House to pass HR223 this year, but predicted that the bill would not gain both houses' approval until sometime in 1976.

Peter B. Scott, head of MIT's Micro-reproduction Laboratory, has said that publishers have lobbied more effectively on the "fair use" issue than librarians, but Williams denied this claim. He said that "on a national level" both sides have had "a chance to submit their views." Williams said that copyright legislation has been in and around Congress for ten to twelve years, occupying a total of around 100 hours of hearings in both the House and the Senate.

Fuchs said that there had been no real sentiment, pro or con, on the "fair use" issue in any of the House subcommittee's hearings. "I really wouldn't care to predict what's going to happen with this bill when it hits the full committee or the floor," Fuchs said.



# 'Grand opening' planned in IAP for cable system

**By Mike McNamee**  
 The MIT cable television system, stretching from Westgate and Tang Hall on West Campus to the Sloan Campus, has been installed and probably will go into operation in January.

A faculty committee yesterday sent a report to President Jerome B. Wiesner recommending that the cable be inaugurated with a "grand opening-type" show sometime during the Independent Activities Period in January, and suggesting procedures and mechanisms for allowing members of the MIT community to work with the cable network.

The system, developed under a \$600,000 grant from the Sloan Foundation, will eventually handle up to 34 "terminal points" on campus where

programming can be received on one or more receivers. According to Chief Audio-Visual Engineer Charles Paton, 24 to 27 locations will be installed and ready for use for the expected opening in January.

"The terminals are in the obvious places — the large classrooms like 10-250, 26-100, 54-100, the lobby of Building 7, all the dormitories, and so forth," Paton explained. "All of Building 9 (headquarters of the Center for Advanced Engineering Study) will be wired into the system, and there are a lot of other locations where there'll be terminals."

Paton said that the main spine of the cable, originally planned to stop at Burton House on West Campus, was

(Please turn to page 3)



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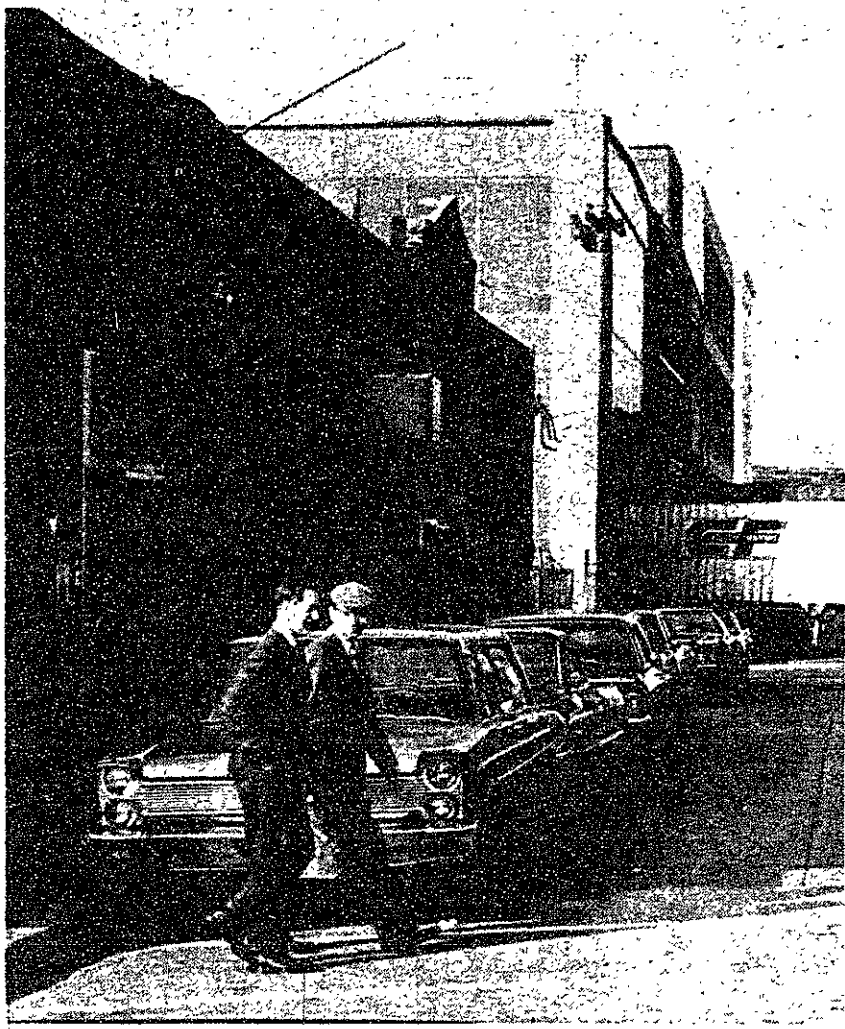
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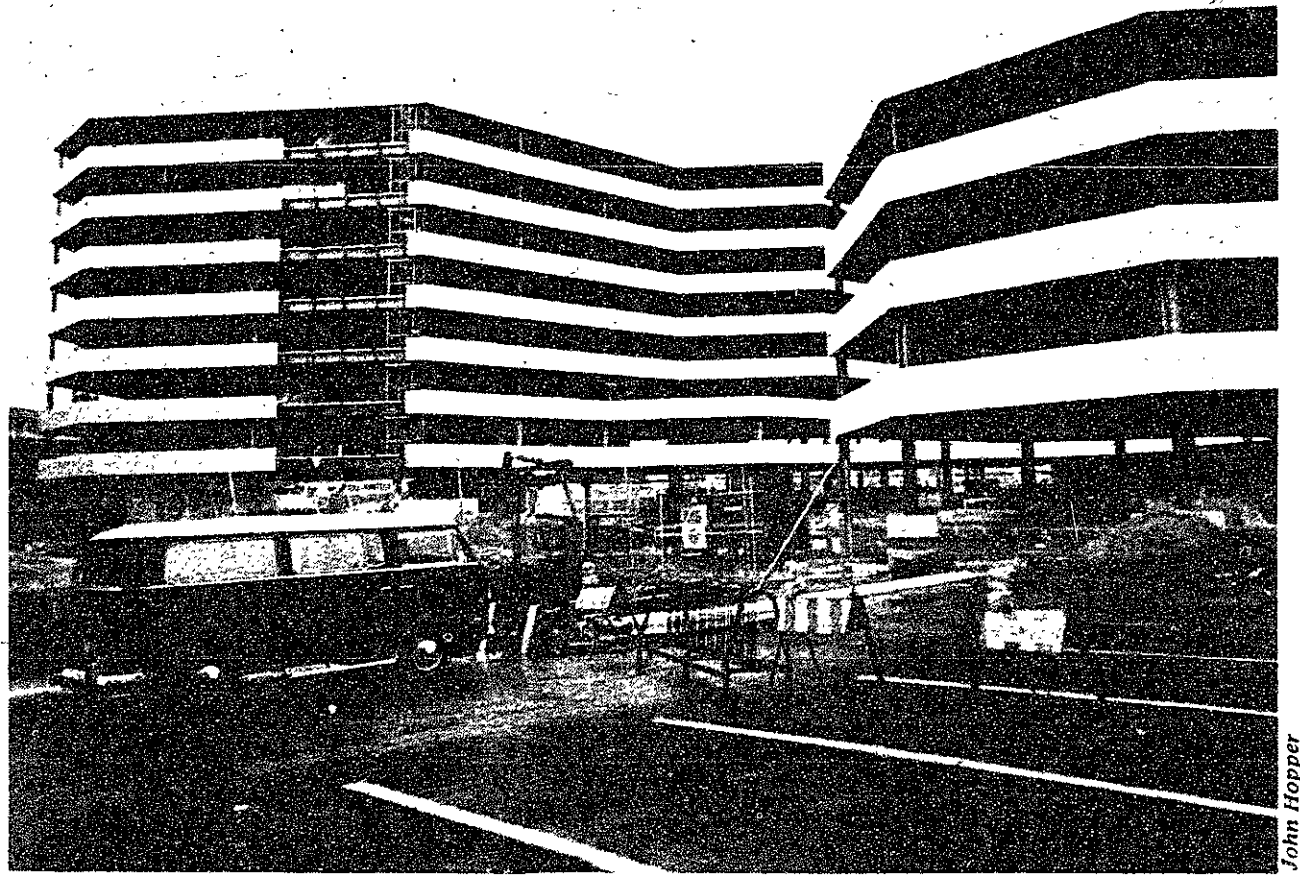
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# Old to new: Draper building moves ahead



Draper Laboratories, currently scattered out among more than a dozen Cambridge and Somerville buildings, are looking forward to consolidating their facilities in their new Tech Square headquarters sometime next spring or early summer. The building is being built by Cabot, Cabot and Forbes, the firm which developed Tech

Square, and will be rented to Draper on a long-term lease. Draper spokespersons are reluctant to comment on the progress of the work — "it's really CC&F's building, and we don't like to talk about it as if it's ours," one Draper staffer told *The Tech* — but a CC&F spokesman said the building is on schedule.



John Hopper

## MIT cable system readied for opening

(Continued from page 2)

extended to Tang Hall and Westgate after a cheaper way of installing cable was found. That extension, he said, was the only cable installation remaining to be completed, while some receivers still have to be installed at terminals.

"The important thing now is that the physical cable is in and it works," Professor of Political Science Ithiel deSola Pool, who chaired the group studying the cable's use, told *The Tech*. "Now we have to decide how we're going to use it and what kind of things are going to be done."

The committee went into "all the obvious issues," Pool said — structure of the cable control, what type of programming to show, how to get people interested in using the cable, and so forth. Its recommendations, which Wiesner is expected to consider within the next two weeks, will probably form the basis for operation of the cable in its early stages, Pool said.

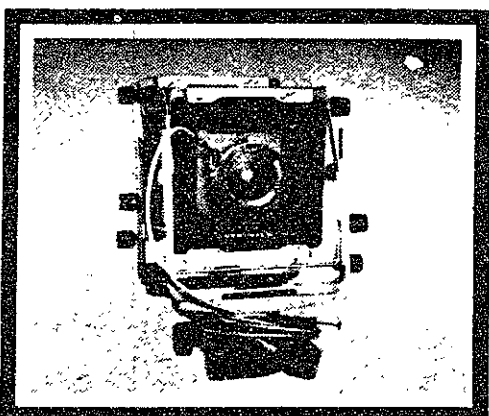
"Right now, I really can't say

what any of these structures are going to be," Pool explained. "Until Wiesner says 'go ahead' or 'don't go ahead,' we're going to have to wait."

Once the report is approved or modified, Pool said, the committee will start working on the January opening and on long-term use of the cable system. "One of the main problems of the committee," he said, "is how to get the public interested in the cable, and how to get them aware of what's going on. We've had many inquiries about programming, material to be shown and so forth, but until now, there's been no place to address those questions. We hope that will get started within the next month."

The cable installation used "only a very small portion" of the \$600,000 Sloan grant for the system, according to Paton. "Most of the money is designated for helping people do experimental things, letting them try different kinds of programming," he explained. "That's where the action's going to be in just a few months."

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# Opinion

## Letter to The Tech Missiles and Israel

To the Editor:

Mr. Peter Peckarsky's letter published in "Opinion" (*The Tech*, Sept. 26) titled "Support for Israel Can't Mean Nukes" is based on four common implied errors, two of which have nothing to do with the Middle East, and all of them could be easily rejected by anyone with scant knowledge in this subject.

These erroneous assumptions are:

A) Nuclear weapons require very special means of delivery.

Actually, the early A-bombs were very heavy and bulky, and only the heaviest bombers of that time. Hence the term "nuclear bomber" etc. This is no longer the case. In the US arsenal one can find nuclear shells for 6" guns, weighing about 100 lb, as well as lighter devices. This kind of weight can be carried by any plane, ground vehicle or even carried manually.

B) Nuclear weapons are beyond the technological/financial capabilities of most of the countries.

Actually, some 30 countries are believed to have this capability. This number is probably higher than the number of countries capable of manufacturing good machine-guns or artillery pieces.

C) No missile of range comparable to that of the Pershing are in the Middle-Eastern nations' arsenals.

Actually, Soviet missiles having about 250 mile range have been supplied to Syria and deployed in Egypt since 1973. The American Pershing missile is the only non-Soviet missile of comparable range, all others having much shorter or far longer ranges. Their supply will, therefore, restore balance by removing a destabilizing factor: the availability of such weapons to one side only (the Soviet-supplied ones).

D) Israel asked for the nuclear version of the Pershing.

According to *Time* (Sept. 29) Israel asked for another version - to be developed - intended, primarily for conventional warheads. I do not know the difference between the two versions, which can't be very significant. Many short and me-

dium range missiles have both kinds of warheads, including the Soviet ones. There is, however, a difference between a vehicle made to carry either warhead and one designed specifically for one kind only, making modifications difficult.

I hope that other future scholars, studying in leading institutions, will be more careful about their assumptions and conclusions.

Ardon Gador  
Sept. 8, 1975

*(Editor's Note: Peckarsky's column pointed out that Israel is already widely believed to have nuclear capabilities, and that the danger of introducing Pershing missiles is that the Arab nations will be provoked into developing nuclear weapons in response. He did not say nor, apparently, assume that "Nuclear weapons are beyond the technological/financial capability of most of the countries"; the capability to develop weapons is what he feared - not that the 30 nations Gador cites are "most" of the world's 150-plus countries.*

*(In addition, Peckarsky pointed out the Pershing's range is approximately 450 miles - at most twice the 250-mile range of the Soviet missiles Gador refers to.*

*(Finally, Peckarsky does not state that "Israel asked for the nuclear version of the Pershing." He does say, however, "the Israelis can always modify the warhead section to carry a nuclear package," and goes on to point out that "reports indicate that the Pershing's guidance section is too inaccurate to be used effectively with anything but a nuclear tip" - a difference between a conventional-warhead missile and a nuclear missile which is, contrary to Gador's argument, "very significant.")*

The Tech welcomes Letters to the Editor. Typed letters are preferred. Letters must be signed; names will be withheld upon request. Send letters to The Tech, W20-483.

*Mike Peters*

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"DON'T WORRY, CORPORAL... MY SECRET SERVICE SAYS THEY'VE ALL BEEN INTERVIEWED..."

## Defining the black perspective

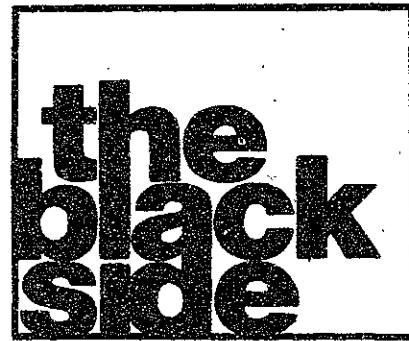
*(This is the first appearance of The Black Side, a column dealing with black and minority affairs at MIT, in The Tech. The Black Side, written by Philip G. Hampton '76, will appear on the Opinion page semi-weekly. - Editor)*

By Philip G. Hampton, II

Black - what does it mean? Although to most members of the MIT community it is just a color (or the absence of color), to over 200 MIT students it is a state of being. Yes, there are that many black students under the big dome, even though certain elements of the MIT community try to ignore, play down, or wish away their existence.

Jambo! and welcome to *The Black Side* - the column dedicated to enunciating some of the concerns, aspirations, and struggles of today's black student. Although *The Black Side* will focus on MIT, some extra-campus topics must be discussed, since black students (and white ones, too) do not live in a vacuum. All of us are at MIT to learn not only about science and technology, but about life, living, and mankind. To the shock of some and the chagrin of others, Black Americans form a viable part of our social order.

Now before you write this column off as just another Black shooting the breeze, let me say who I am. My name, as the



by-line states, is Phil Hampton. I am a fourth-year student in Chemical Engineering. I was co-chairman of the Black Students' Union in 1974, and currently am chairman of its Political Action Committee. Currently I am vice-chairman of the Undergraduate Finance Board and a member of the Equal Opportunities Committee. Last year I served on the Office of Minority Education Search Committee, was elected to Who's Who Among Students in American Colleges and Universities, and co-founded the MIT chapter of Kappa Alpha Psi Fraternity, a national predominately Black social fraternity.

The above data is not given in order to be pompous or to bore, but to give you a feel as to why I believe I can rap about black problems and black perspectives. And although I am intimately involved in several organizations, *The Black Side* will not be a mouthpiece for any particular organization or group at MIT. All comments made in this column are my own. If all black folks agree with my column, fine; if they all don't, that's also fine. I'm not my brother's keeper, and he is not mine.

Back to the fundamental purpose of this column, "the concerns and aspirations of black MIT students." At the mention of the above phrase, many white faculty and students appear perplexed. A lot of this perplexity is due to a lack of understanding, and some of it, unfortunately, is due to a lack of desire to understand. Although this column will never be able to aid the latter situation, the former one is rectifiable.

Much of the lack of understanding can be summed up in the question: Why do blacks have concerns/issues/aspirations different from the average white student? Three reasons come to mind immediately. First, blacks as a group have been oppressed by almost every institution in America, not excluding MIT. From 1869 to 1969, less than 90 blacks, not even one year, graduated from MIT. Although progress is now being made, less than 4 percent of bachelor's degrees given in 1974 were to blacks. Black Americans comprise 11 percent of the population of the United States. Why is there a discrepancy?

A second reason is that minority students come from vastly different educational and socioeconomic environments than your typical Tech student. There are blacks at MIT who attended schools that average a couple of rapes and a murder inside the schoolhouse its each year. And there are the blacks who got straight A's high school for just coming class or who stole a set of textbooks early in the school year to keep at home, so they wouldn't be harassed by other students because they carry books home. Does that sound like Grosse Pointe or Sha Heights?

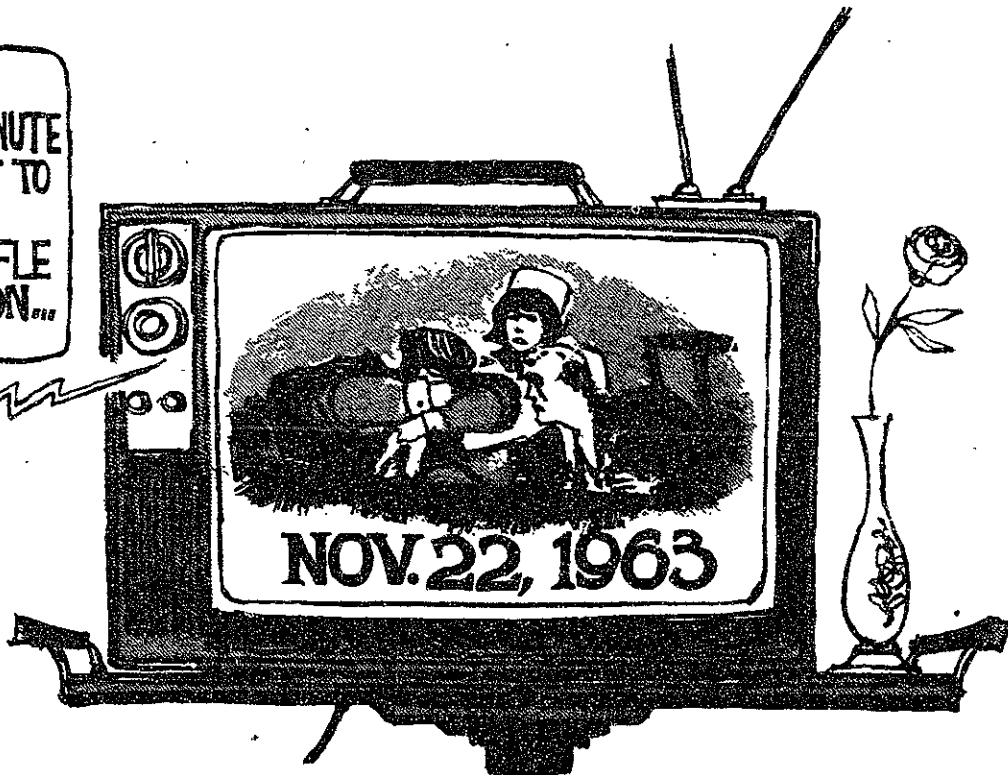
Thirdly, black students concerned, at least subconsciously, by the political climate of Boston, "the cradle of liberty." Nowhere in America has there been as strong an opposition to equal education as in South Boston. Charlestown Southie are some of the places in America where blacks are afraid to venture into daylight hours. (Even during the heyday of legal Jim Crow, southern blacks had freedom of movement while the sun was up.) The pride and joy of the Boston Police Department, TPF, is comparable to the Alabama State Police of the 1930's. Where is the "liberty justice for all"?

(Please turn to page 5)

*Mike Peters*

GARDNER DALLMAN

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# The Tech

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# Defining the black perspective

(Continued from page 4.)

As you probably guessed, this list of reasons for the differences among black and white MIT students, although not infinite, would extend for pages. I trust, however, my readers are beginning to get the point — that differences do exist among white and black students, and most black students cannot live in the ivory MIT tower unaffected by the past, present, and future condition and situation of their race.

As with the list of reasons, the topics that could be dealt with by *The Black Side* are limited only by my lack of time to write and research. Therefore, in future columns, I will tend to deal with only constant problems and issues affecting the black MIT community or those issues and concerns of black MIT that I feel warrant immediate attention. Some of these items

are the status of black admissions, how well (or poorly) MIT's financial aid packages are constructed, why so few blacks live in fraternal living groups, the strained relationship between the BSU and the Dean of Student Affairs Office, and who black students trust in the upper administration.

From the above list you can see that some issues are racial in content. Other concerns, however, though superficially of racial nature, really affect the entire MIT community. I believe the conscientious reader of *The Black Side* will realize the universality of many issues affecting the black MIT community. It is important to realize that the effect of many decisions and policies is often only more noticeable when put in the context of the black community because it is so small and obvious. Many times the problems blacks eradi-

cate today are those which whites will not have to eliminate tomorrow.

In concluding, it must be noted that in a utopia this column would not be needed, but MIT is definitely not heaven. Conversely, in a despotism, *The Black Side* would not be permitted, thus MIT is also not hell. However, since we are in a purgatory, I will attempt to discuss, explore, and relate the black presence at MIT. Hopefully each of you — the audience — will begin to learn, understand and respect the black side of MIT.

### Black Happenings

Dr. Shirley Jackson, the first black woman to receive a PhD from MIT (1973), the first co-chairperson of the BSU, and newly elected member of the MIT Corporation will speak on "Black Perspectives — Past and Present" in the Tang Hall Penthouse tonight at 7:30.

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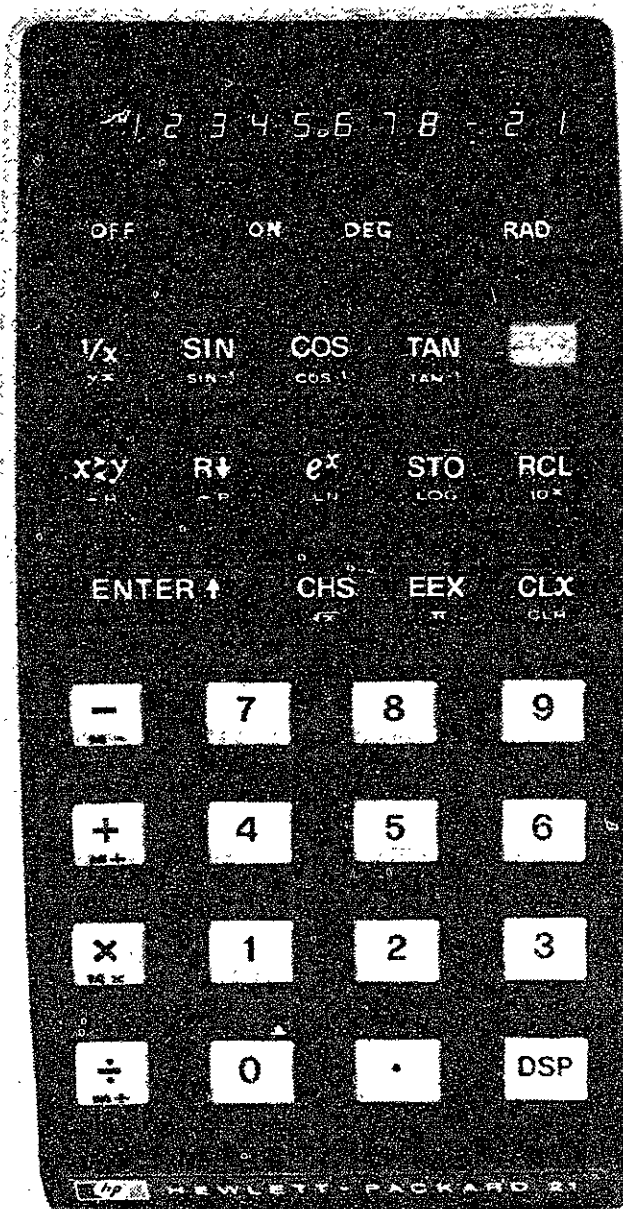
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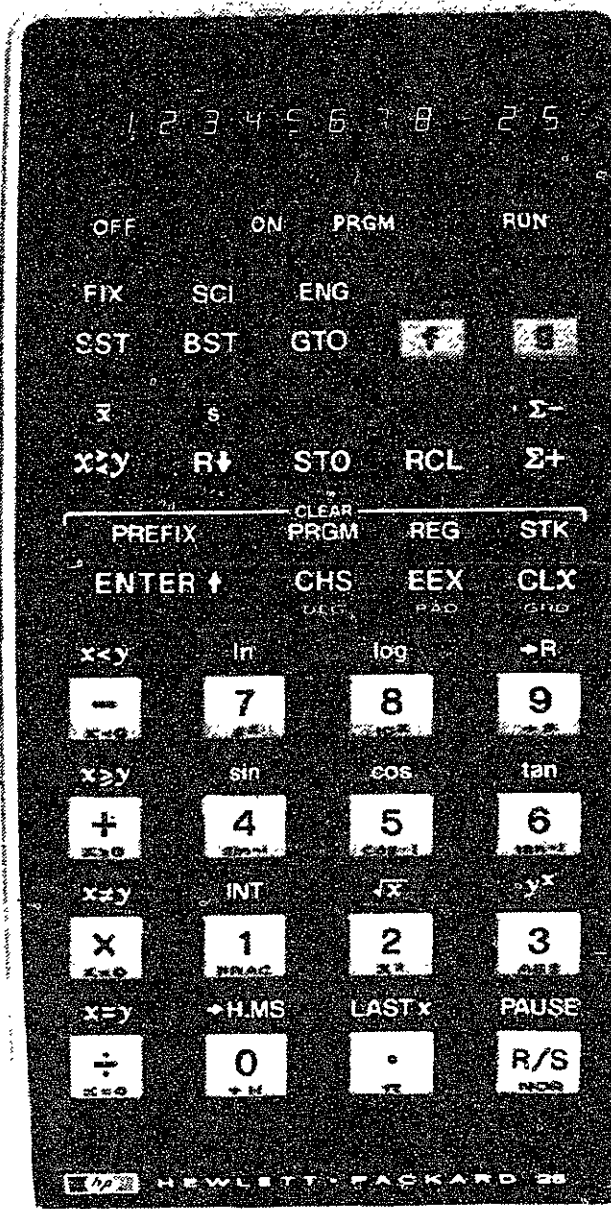


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# Police Blotter

(The Police Blotter is a report written by the Campus Patrol on crimes, incidents and actions on the MIT campus each week.)

The Patrol was notified by the Cambridge Police of the arrest of a female at the Harvard Trust Company Bank office in Kendall Square. She was apprehended when she attempted to cash one of two personal checks that she removed from a checkbook left in a raincoat pocket at the Faculty Club Coat room. The subject was also identified by a photo as the same person who cashed a previously stolen check.

A jacket, hat, bicycle and personal checkbook disappeared when left unattended in Building 6 for about five minutes. The hat and checkbook were later found behind the pool.

An unattended wallet, containing a considerable amount of cash and many credit cards was stolen last Thursday from a laboratory in the Main Complex area during the late afternoon. The people working in the lab saw no one suspicious.

A portable computer terminal, valued at well in excess of \$2,000, was stolen after being left unsecured in an office area.

A lone student was assaulted by four subjects as he walked along the riverbank near the Sailing Pavilion. The sudden appearance of two friends saved the student from serious harm. This incident only serves to demonstrate once again the very real danger faced by any persons walking alone at night, especially in dark or lightly travelled areas.

Patrol Officers arrested a subject Tuesday who had been sought on Default Warrants for failing to appear at the Third District Court on Larceny charges filed against him when he was arrested by MIT Officers in the summer carrying a typewriter taken from one of the Main Complex offices. He pleaded guilty in Court the next day, and has been placed on Probation for one year by order of the presiding judge.

A student left her handbag on a window ledge in the Student Center while she was taking part in a music rehearsal. Upon her

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retrieval of the bag at the end of the practice she found that someone had stolen her wallet.

A young lad of 14 years was found by Officers gazing wistfully at the bicycles parked in front of the Student Center, a wrench in one hand and wire cutters in the other. He was accompanied to the edge of Campus by the attending Officers who seem to have persuaded him not to return under similar circumstances.

A disturbing amount of office machinery — including IBM Selectric typewriters — have been stolen of late from the buildings at the Sloan School area. None of the stolen equip-

ment had been secured or bolted down to immovable objects. "Bolt-down" facilities are available from the Physical Plant Department. People with valuable office equipment light enough to carry are urged to take advantage of this availability by contacting that Department and making arrangements to have such machinery as electric typewriters bolted securely down.

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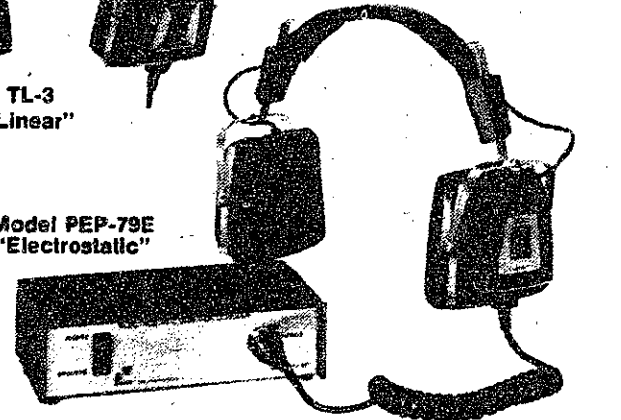
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# NomCom 'can't give away' slots

The Nominations Committee for the Undergraduate Association has found itself faced with a hard-to-handle problem — no one seems to want to join the student-faculty committees to which the Nominations Committee is supposed to name members.

The number of students who come to NomCom's hearings and ask to be named to committees is declining, according to committee members. And most of those undergraduates are concentrating on just two or three student-faculty groups — the groups which are thought to have "power and prestige."

The decline has resisted extensive advertising in *The UA News* and the *thursday* publications. Slides shown before Lecture Series Committee movies stating where and when NomCom would meet to consider openings on given committees have had little or no effect. Even word of mouth advertising doesn't seem to do the job.

"We figure that 70 to 80

percent of the MIT undergraduate community must know about these NomCom meetings and the committee openings we're trying to fill," NomCom member John Sallay '78 said. "The only thing I can think is that no one cares."

"The problem is," NomCom chairman Doug Nutter '76 agreed, "people just aren't interested anymore."

The Nominations Committee was charged with naming students to faculty committees and presidential committees in 1969 — "the height of the war thing, when everyone was interested and willing to turn out," as Nutter put it. But political interest and willingness to work to affect issues at the Institute has faded in the seven years — almost two undergraduate generations — since then. And interest in being on a faculty committee has faded with it.

"There's a real problem communicating to students the fact that they can be effective, even on some of the smaller and less-well-known committees,"

Nutter said. "From the faculty committees I've been on, I know that students are listened to and paid attention to. They can be effective."

Chairman of the faculty Professor John Ross agreed. "In my experience, which is mostly confined to the CEP (Committee on Educational Policy), there's no distinction between a student member and a faculty member," he said. "When it comes to discussion, joining subcommittees, taking work home to do — anything, but especially discussion — students do as much or more than faculty."

Ross said that to the best of his knowledge, no faculty or presidential committees were unable to conduct business or were badly hurt by lack of student representation on them. But, he pointed out, his experience was mainly with "the big, important committees" — CEP, the Committee on Academic Performance, the Committee on Curricula, and so forth. And those are the groups, Nutter and Sallay agreed, which have no trouble getting students.

"CAP, CEP, and CJAC (Corporation Joint Advisory Com-

mittee) are always popular," Sallay said. "We get all kinds of people, most of whom are just looking for something to join or to put on their resumes, for those committees."

And Nutter added, "We'll get 10 to 12 people every year for one slot on the CEP — but it's been years since we've had anyone on the Libraries Committee. Some of these less-well-known committees — you can't give them away."

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## NOTES

\* The CAP and CGSP wish to remind students of the fifth-week deadline on Friday Oct. 10, for:

- Adding subjects by graduates and undergraduates;  
- Designating Pass/Fail electives by a junior or senior;

- And submitting applications for Light Load by undergraduates regular students wishing to take less than 31 units to the Registrar without incurring a \$25 fee.

\* There will be a Hillel brunch Sunday, Oct. 5 at 10:30am in the Bush Room (10-105), including bagels and lox. There will be a small charge.

\* Sangam will sponsor a performance by India's foremost classical dancer, Indrani, 8pm, Saturday, Oct 18 in Kresge Auditorium. Tickets — \$5, \$3, and \$2 for students with college ID cards — may be purchased in the Building 10 Lobby after the first week in October or reserved by contacting Sangam at 494-9138, evenings between 6pm and 8pm. During the week of her MIT concert, Indrani and her company will give a free master class, open to dancers and students of dance in the Boston area. The class, co-sponsored by New England Dinosaur Company, will be held at 1:15pm, Tuesday, Oct 14, in the Sala de Puerto Rico in the Student Center. For further information call Sangam.

\* Hillel will sponsor an Ice Cream Party Saturday, Oct. 4 from 9:00pm to midnight in Student Center Room 407. Music and munchies

\* MITHELP is being offered during the first half of the fall term to help students improve their familiarity with algebra, trigonometry, analytic geometry, and logarithms and exponentials. Each of these four topics will be covered in 2 evening sessions in one week. For more details check in the FAC Office, Room 7-103, x3-6771, or Room 4-155 Monday-Thursday.

\* The first review session for the Putnam Exam will be held at 7:30pm Monday in Room 2-102. The session will cover an overview of the exam and of problem solving.

\* MIT seniors who wish to apply for a Danforth Foundation Fellowship for 1976-77 should submit an informal application consisting of a one or two-page essay about his or her background and career plans for college or university teaching to Assistant Dean Jeanne Richard, Room 3-136 by Oct 22, 1975. Personal interviews for applicants will be held at MIT on Saturday, Nov. 1, 1975 in the Graduate School Office Room 3-136. For further information, please contact Dean Richard on extension 3-4869 or visit 3-136.

\* The fall organizational meeting of the Parapsychology Research Group will be held at 7:30pm Wednesday, Oct. 8th in Room 50-309 on the south side of Walker Memorial. New members are invited, old members should call Brian Pirette at 5-6647 if they cannot attend.

\* Groups wishing to use Talbot House during November are urged to apply immediately. Spaces are available. Contact Dean Jon Hartshorne in W20-345, x3-7974.

## classified advertising

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## CORRECTED LISTING OF OCTOBER SEMINARS

October 16	<i>Renaissance Ideas of Human Nature</i>	Myron Gilmore (Harvard)
October 23	<i>Michelangelo and the Metaphor of the Body</i>	Leo Steinberg (U. of Pennsylvania)
October 30	<i>The Copernican Revolution</i>	Owen Gingerich (Harvard)

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# Sports

## Sailors win Jack Wood regatta

By Chris Donnelly

(Chris Donnelly '77 is a member of the men's varsity sailing team.)

The men's varsity sailing team was quite successful last weekend, winning one trophy regatta and placing second in another. The women also fared well, finishing second in the President's Trophy on Sunday.

On Saturday the varsity competed in the Franklin J. Lane Trophy at Tufts. MIT sailed against ten schools including Tufts, ranked first in the country.

Sailing in Larks, Gary Smith '78 with crew George Orlov '78 finished third in A-Division. In B-Division, Bill Critch '77 with Debbie Myerson '79 crewing finished second, two points out of first place. Overall MIT finished second, only five points behind Tufts.

Eliminations for the New England Intercollegiate Sailing Association (NEISA) Sloop Championship were held on Saturday at Coast Guard. Six teams competed in Shields, 30 foot keel boats designed for racing.

Sailing for MIT was Paul Erb '76 with crews Larry Dubois '76, John Anderson '76, and Steve Gourley '77. Through six races MIT finished second, qualifying for the finals to be held next spring.

The Jack Wood Trophy, named for the original sailing

master of the MIT Nautical Association, was sailed on Sunday at Coast Guard. The format of the regatta tests a school's depth more than other regattas. Two varsity divisions, a junior varsity division, and a freshman division were sailed. The five teams racing were from traditional New England sailing colleges.

In the varsity divisions MIT placed third with Smith and Steve Ryan '77 co-skippering in A-Division and Critch and Dubois co-skippering in B-Division. Wally Corwin '78 and Chris Berg '77 swept the JV division, winning all five races. Elliot Rossen '79 and Bob Schulz '79 were second in the freshman division. Through the combined effort of eight different skippers, MIT finished first overall.

Another varsity regatta was sailed on Sunday at Harvard. Sailing Interclubs against ten other schools, MIT finished fourth. In A-Division, Chris Donnelly '77 with John Stahr '78 crewing placed third, while Bill Gooch '78 and crew Louis Cohen '77 finished fourth in B-Division.

The women sailors began their weekend as hosts to a CCT Invitational on the Charles River. A CCT is an eighteen foot sloop with a keel. The team of Barbara Belt '77 with crews Sally Husted '78 and Allana Connors '78 finished third in the five school field, behind BU and

Radcliffe.

The freshman team travelled to Dartmouth on Sunday for a regatta also sailed in Interclubs. John Stautner with crew Steve Boos placed second in A-Division, and Lenny Dolbert with Jody Kreidberg won low point honors in B-Division. Overall MIT was a close second to Tufts.

Tomorrow the men compete in the Denmark Trophy at Coast Guard. The women host two regattas this weekend; a learning regatta tomorrow, and the Emily Wick Lark Championship on Sunday.



Lampros Fatsis '77 reacts to a WPI head in Tuesday's 4-3 loss to the Worcester school at Briggs Field.

## Worcester Poly tops soccer 4-3 in warning-filled opening game

By Gregg Fenton

(Gregg Fenton '77 is the MIT varsity soccer manager.)

The MIT varsity soccer team lost its first game Tuesday at home against WPI, 4-3. The seesaw contest was paced with warnings and ejections although both teams apparently intended to play soccer.

WPI scored with less than two minutes gone as senior Alan King received a clearing pass and was free to fire a shot into the upper right corner. MIT tied the score at the 15-minute mark when Lampros Fatsis '77 hustled after a ball misplayed by the

Worcester defense. He headed in the shot from about five yards out.

The Engineers went one up as Shin Yoshida '76 took an indirect kick from Greg Hunter '76 and pounded it in from close on a picture play. The first half ended as King was uncovered just outside the penalty box, and he sent a screened shot into the far corner to tie it 2-2.

In the early minutes of the second half, MIT dominated the play. WPI, though, despite ejections of its coach and one forward for arguing with the officials, broke through to take the lead.

Twice in two minutes King fired shots from about fifteen yards, scoring on the first. The fourth goal came after goalie Charlie Sommer '76 blocked one of King's attempts only to have another Worcester striker pounce on the free ball. MIT got one goal back on the same indirect kick play as in the first half, but that was all.

Good movement by forwards Rich Okine '77, Rob Currier '79, Steve Rice '78, and Fatsis set up many shots that were not on net. Free kicks also resulted in many close calls for both goalies.

In general WPI moved the ball better, but this was offset by more hustle on MIT's part for loose balls. The big problem was

uncovered strikers taking too many good shots. Defensively, the ejection of Dave Fett '77 and injury to Frieder Krups '77, both early in the game, was damaging. The steady play of Sommer and Hunter was not enough to compensate for the loss of Fett and Krups.

The team will try to even its record this Saturday when it takes on Trinity College at 2pm on Briggs Oval.

### ON DECK

Saturday, October 4

JV/V Cross Country: UNH, Coast Guard, Wesleyan @ Franklin Park

JV/V Soccer: Trinity @ 2:00  
V Sailing: Dinghy Invitational @ BU; Denmark Trophy @ Coast Guard

W Sailing: Learning Regatta @ MIT

V Water Polo: MIT Invitational @ 11:00

V Tennis: ECAC Tournament

Sunday, October 5

V sailing: Denmark Trophy @ Coast Guard

W Sailing: Emily Wick Lark Championship @ MIT

F Sailing: Dinghy Invitational @ Yale



Johan Nye '77 (14) and Mike Raphail '79 (5) look on as a WPI player winds up to kick the ball downfield in other action Tuesday.

## Water polo tourney today

By Glenn Brownstein

The fifth annual MIT water polo tournament will be held at the Alumni Pool today and tomorrow. This year's teams include Bowdoin, which finished fifth in 1972, Southern Connecticut, a third-place finisher in 1973, new entries Williams, URI, and UMass, and host MIT.

The Engineers have been successful in their tournament three of four years, winning it in 1971, and placing second in 1972 and 1974. Two years ago, MIT tied for fifth.

Other past tournament winners

have been Harvard in 1972 and 1973, and Boston College last year.

Today's schedule pits Southern Connecticut vs. UMass at 5pm, MIT vs. URI at 6pm, and Williams against Bowdoin at 7pm.

Tomorrow, starting at 11am, there will be round-robins conducted between today's winners and losers, with the round-robin winners playing a championship game late tomorrow afternoon.

Admission to the tournament is free.



In addition to its active intramural and varsity soccer programs, MIT also fields a team in the Community League, a local amateur soccer league. Several members of the Institute community play on the squad, shown here (striped jerseys) in action against Liberty Sunday afternoon at Briggs Field.

## Sporting Notices

All roster changes for IM Volleyball must be submitted to the IM Volleyball mailbox in W32-121 by 4:00pm today. Missing athletic card numbers must be reported by this firm.

All candidates for freshman, JV, and varsity men's basketball should report to Rockwell Cage at 5:00pm, Wednesday, October 15 for

the season's first practice. All players should report dressed and ready to play.

\* \* \*

Rained out varsity soccer games against Harvard and Holy Cross have been rescheduled. MIT will play Holy Cross Thursday, October 9, and Harvard on Wednesday, November 12. Both games are away.

## IM soccer results

B-league

Lambda Chi Alpha 3-0 Economics  
Baker 'B' 1-0 Food & Nutrition  
Phi Beta Epsilon 2-0 Phi Delta Theta  
Theta Chi 2-0 Delta Tau Delta  
Sigma Phi Epsilon 2-0 Number Six Club  
FIJI 5-0 Delta Upsilon

AEPi 4-0 Biology  
East Campus 2-0 Nuclear Eng. 'B'

C-league

Conner 3 2-1 MacGregor H  
MacGregor C 2-0 Burton I  
Burton H. Tooley 3-0 Burton 3rd Bombers  
Bexley 1-1 Phi Kappa Theta  
Russian/New House 5-0 McCormick