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FRIDAY, FEBRUARY 14, 1975



William Dickson, Director of Physical Plant, makes a point at a recent meeting of Westgate residents and MIT administrators. H. Eugene Brammer (center), Director of Housing and Food Services, and Arthur Beals, Brammer's associate, look on.

Westgate rent increase blamed on fuel waste

By Michael Garry

Charging that they will be paying for wasted fuel, Westgate residents are protesting an average rent increase of 8 dollars per month, scheduled to take effect March 1.

The rent hike, imposed by the Housing Office, comes only six months after rents at the dormitory for married students were raised by an average of 20 percent.

The Housing Office cites additional fuel costs as the reason for the increase. Residents, however, complain that these fuel costs are the result of inefficiency in the Westgate heating system, which is operated by Physical Plant.

The heating system, because of apparently uncorrectable technical flaws, tends to keep the temperature in Westgate apartments between 76 and 80 degrees, which is considered uncomfortable and excessively high. This inefficiency, the residents contend, constitutes a gross waste of fuel which contributes heavily to the additional fuel costs responsible for the rent increase.

The residents are now con-

sidering not paying the increase, one resident told *The Tech*. However, the resident noted, no final decision has yet been made.

According to Jim Henle, President of the Westgate Community Association (WCA), the total fuel cost deficit incurred last year by the Housing Office was \$14,000. Of this, the office wants to recover \$6700 through increased rents, Henle said.

Most Westgate residents resent having to pay extra rent for the wasted fuel. "MIT is expecting us to pay 8 dollars per month for the heat that we let out our windows," Henle decried.

"I don't know what the impact of this rent increase will be," he said, "but it may force some students without financial aid to leave MIT."

According to a study Henle cited, lowering the temperature in apartments by one degree saves three per cent of fuel consumption. By lowering the temperature 10 degrees — some Westgate apartments need such a temperature reduction to be at a comfortable level — at least 20 per cent of fuel consumption would be saved.

The overheating problem, Henle explained, has plagued Westgate since it opened in 1964. But before the energy crisis last year, the problem was not taken as seriously by either residents or members of the Housing Office as it is now.

Last May members of the WCA met with H. Eugene Brammer, Director of Housing and Food Services, to discuss the need to decrease the consumption of energy at Westgate, said John Miller, former President of the WCA. In June they met again, he said, and Brammer promised "to make every effort to get the heating system working so heat wouldn't go out windows." However, by the end of November, Miller added, no substantial work had been done.

Heating System Problems

The overheating problem stems from the "peculiar" nature of Westgate's heating system, Henle said. "If you turn the temperature in one apartment down to the low 70's, the temperature in another apartment goes down to the 60's. Conversely, he said, raising the temperature in any cold apartments increases the temperature in apartments that are comfortable.

MIT has done a great deal of (Please turn to page 10)

Faculty aids USSR emigration

By John Sallay

More than 80 MIT scientists and faculty members have recently formed an *ad hoc* committee to support the efforts of three Russian scholars to leave the USSR.

The Soviet scientist-scholars who are seeking exit visas are Professor Mark Abel, a physicist responsible for the discovery of what is known as the Abel-Kazner cyclotron resonance; Professor Alexander Lerner, a computer engineering specialist; and Professor Benjamin Levich, author of the four-volume text, *Theoretical Physics*.

According to one of the organizers of the MIT committee, Professor of Health Sciences E. Eugene Stanley, there are more than 400 Soviet professionals who have voiced the desire to leave their country but have been refused. Most of these people have been forced to leave their jobs. There are also many more who will not apply for visas for fear of being refused and losing their jobs; unemployment is a punishable offense in

the Soviet Union.

Partly because of pressure Stanley and others brought to bear on Soviet authorities, Alexander Voronel, another prominent Soviet scientist, was recently allowed to emigrate. Voronel was jailed last June to prevent him from holding a private international seminar which had been scheduled without Soviet approval.

The MIT *ad hoc* committee

was formed in November as "The MIT Committee for Alexander and Nina Voronel," but since Voronel's successful exit, the committee has been concentrating on Lerner, Abel, and Levich.

Professor of Physics Ira A. Michaels, another organizer of the committee, listed reasons why the group is only concentrating on three scientists:

(Please turn to page 2)

Black history commemorated

By Margaret Brandeau

In an effort to make the MIT community more aware of the achievements of their race, black MIT students this week celebrated Black History Week in five days of activities.

The activities, which were sponsored by the Black Student Union and the Dean for Student Affairs, included concerts by black musicians, a soul food sale, several discussion seminars, and a documentary film of busing in Boston.

James Clark '76, a member of the Black Student Union, said that he hoped the activities would work to change the attitudes some white professors have toward blacks. "If a black student doesn't make it in a course, people automatically tend to think he's dumb," Clark said, "We would like to try to change this."

The week of events, according to Clark was as important for blacks as it was for whites. "There's always a need," he said, "especially for Black students at MIT, to remember or be reminded of the fact that there are great black people. Most of the people we hear of around here that are 'great' are white." In such an environment, Clark added, "it's very easy for blacks to lose a sense of direction."

A "very, very large percentage" of the 275 MIT Black students participated in Black History Week, said Clark; almost all of the Black students got involved in some way or another. Clark commented that "the MIT Black Student Union is, when it comes to doing something, probably one of the most

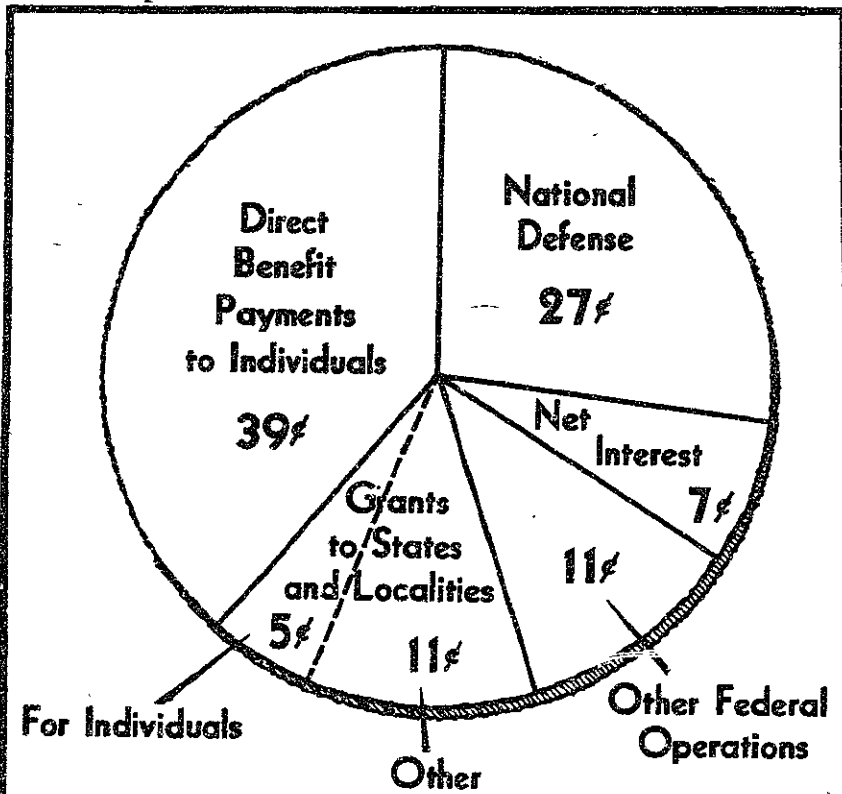
active organizations at MIT."

The events did not cost much to hold, he said, explaining that "we can't afford to run something that's going to put us into debt." For example, much of the food at the soul food sale was donated by the individual students who made it.

Soul food, Clark explained, was typically eaten by very poor black families, predominantly in the South. "Many times blacks had to eat 'non-elegant' foods," he said, "They were forced to make delicacies out of them."

Clark termed the week "very successful," saying that people from all parts of the MIT community attended the events.

Black History Week, started in 1926, is a nationwide commemorative week. While other colleges in the area also sponsored activities, Clark said that "it's sort of an individual celebration." The week was celebrated at MIT last year, he added, but not to the extent that it was this year. "I think we can use the success of this year's activities as a steppingstone for future Black activities," said Clark.



Last week, President Ford submitted his Fiscal Year 1976 (FY76) federal budget request to the Congress. It calls for record outlays estimated at \$349 billion, including substantial increases in specific areas such as defense and research and development. In addition, the budget includes programs designed to improve economic conditions, which are projected to deteriorate during

1975 and then take a turn for the better.

The Tech has prepared a special analysis of the FY76 budget — what to look for, where problems will arise between Ford and the Congress, and what to expect politically during the coming year — from reports by Norman Sandler and Paul Schindler in Washington and Mike McNamee, Michael Garry and Gerald Radaack in Cambridge.

See pages 6 and 7.



Reverend Eddie McBride, an MIT Community Fellow, points to drawings of famous Black figures in Building 7 Lobby during Black History Week.



Ira A. Michaels, Postdoctoral Fellow in the Harvard-MIT Program in Health Sciences and Technology.

Faculty aids Soviet scholars

(Continued from page 1)
 "People can't abstract numbers. A simple starving person is more impressive than any large number... these are real individuals," and "These people are a unique group in that they are famous. The way the Soviets discourage emigration is by keeping the influential people in the country. The less important people will decide whether or not to exit based on the success of others."

Stanley believes that if the committee is successful in helping the three scholars out of the Soviet Union, many more may be able to exit.

According to Michaels, Soviet

scientists who lose their jobs when they are refused exit visas have no way of keeping in touch with technological advances. In order to combat this, a number of such scientists have formed an informal seminar group which meets on Sunday afternoons in a Moscow apartment. They discuss journal articles which they receive by mail from colleagues and work on correspondence with scientists in the Western world.

Stanley originally became involved with the Soviet scientists in August, 1973, when a group he was with at an International Magnetism Conference in Moscow attended one of the

seminars. Stanley said that although the meeting was held in the face of official harassment, the apartment was packed by more than 50 scientists from the Western world.

Through Professor of Electrical Engineering Louis B. Smullin and President Jerome B. Wiesner, MIT formally extended an invitation to Lerner to be a visiting professor of electrical engineering. Lerner responded in a taped message recorded in the middle of a "poor performance" of Tchaikovsky symphony which was smuggled successfully out of the Soviet Union. In the message, Lerner thanked Wiesner for the invitation, but said that he could not accept because "Soviet authorities won't let me go." (See transcript of tape on this page.)

The MIT committee plans include such activities as meetings with influential politicians, sending letters to magazine and newspaper editors, advertising and distributing news releases. Voronel plans to lecture at MIT in the near future.



Professor of Health Sciences Eugene Stanley

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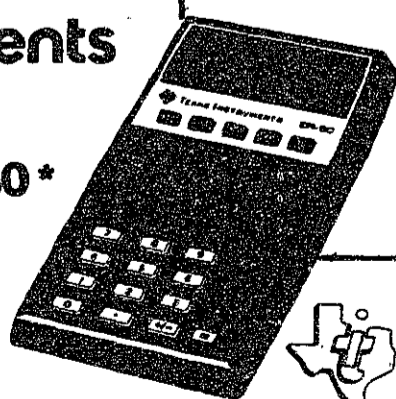
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The following is the transcript of a tape-recorded message from Soviet scientists Alexander Lerner and Alexander Voronel to MIT President Jerome B. Wiesner. It was recorded over part of a tape of a Tchaikovsky symphony and smuggled out of Russia by an American physicist last Thanksgiving.

I am Professor Lerner from Moscow. I want to talk to my friends and scientists and my colleagues from MIT in Boston, especially to Dr. Wiesner with whom I am acquainted personally. I know him personally and was very grateful to him for his invitation to me as a visiting professor to MIT.

Unfortunately, I cannot accept this invitation because Soviet authorities won't let me go there. I want to tell you that I was kept here not because of my connections with secret work. Practically, I have not done secret work. Work that was done secretly was published long ago. Every page of my works are published and I can prove to

everybody that I have no secrets. So, I am kept here for three years only because of violation of human rights, violation of humanity, and violation of Soviet law.

I am sure that if my colleagues will be active enough, I will be freed and my family will have the possibility to unite with my people in Israel, with my daughter and granddaughter who live in Israel, and with my friends and colleagues all over the world.

Thank you.

I am Alexander Voronel. Unfortunately, my English is very poor, but it is enough to say that I am very grateful to my colleagues, especially to Gene Stanley and Melville Green and many others for great support and their remembrance about us and our troubles.

I have no post and therefore hope that many colleagues, that nobody I have not offended who have no answer from me.

Thank you.



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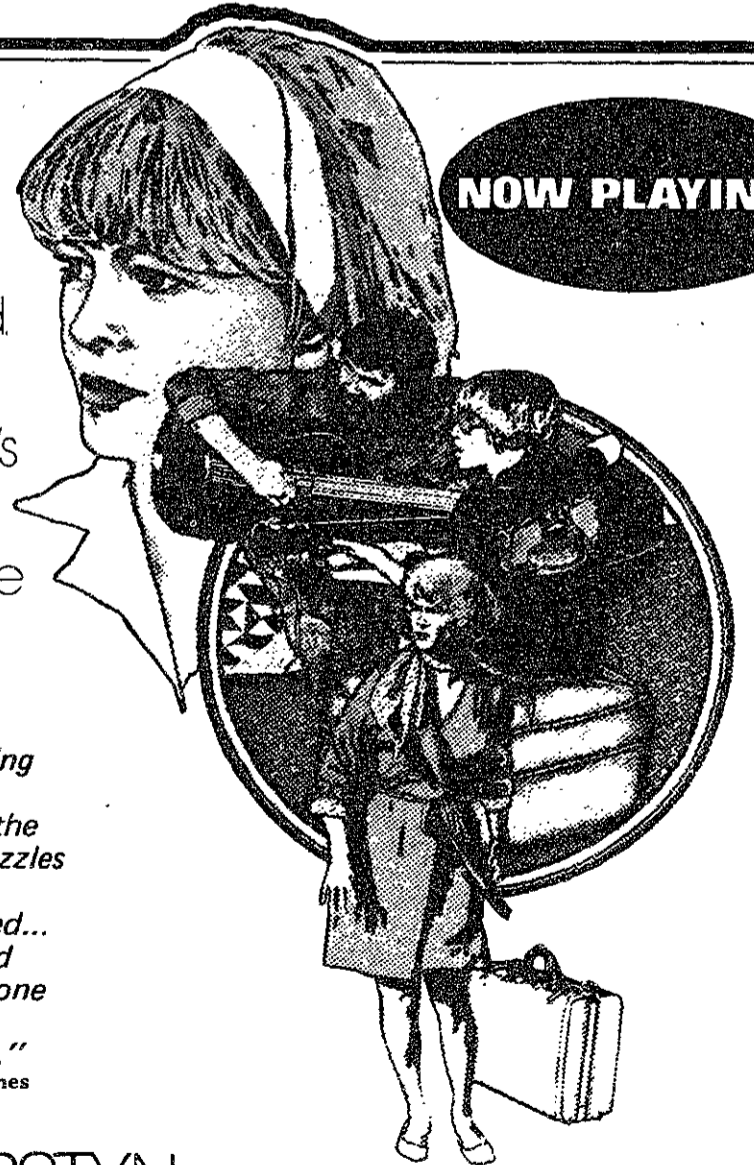
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MIT's Writing Program: new courses and aims

By Ellen Rehg
"In general, students in our department are very poor writers."

"We have no single image of what the students' work should be. Most of their writing has been purely descriptive, down-right dull..."

The above are samples of replies to a faculty questionnaire sent out in the fall by the Writing Program. The Program was established last summer by members of the Humanities Department to extend the scope of writing at MIT. Responding to the overwhelming faculty response in favor of teaching writing skills to an increasing num-

ber of students and faculty, the Program has expanded to include new courses and aims.

Among the new offerings is a course in managerial writing. Taught by Ken Skier, a technical instructor in the program, The Sloan School course will employ a method previously applied only in creative writing courses.

With this method, students are encouraged to appraise each other's writing; in more traditional set-ups, only the professor evaluates the work of each student.

In courses such as "Scientific and Engineering Writing," thesis, deals with lab reports, which,

(Please turn to page 8)

NOTES

* The Department of Philosophy announces that 24.621 *Aesthetics*, which is bracketed in the 1974-75 Bulletin, will be given this term by Professor Irving Singer. This seminar is a graduate course open to graduate students in various fields; and also to qualified undergraduates by permission of the instructor. It meets on Wednesdays from 9 to 11am in room 4-146. For further information, call x3-4141.

* A colloquium on the future of the humanities at MIT will be held on the last Thursday afternoons of February, March, and April. The first meeting will be on February 27 at 2:00pm in 14E-304. Students are urged to attend.

* The Association of MIT Alumnae invites departments, students and faculty to nominate candidates for the Association of MIT Alumnae Senior Academic Award. The Award will be given on the basis of academic excellence to a woman student in the class of 1975. Factors that will be considered are cum, and depth and breadth of academic accomplishment as shown in course work, special projects, and/or thesis research. Send nominations to: Professor ChoKyun Rha Rm 56-137 MIT; by March 1, 1975.

* Nominations for the Goodwin Medalist are now being accepted by the Dean of the Graduate School. Please submit the names of any candidates to Dean Irwin W. Sizer, Room 3-136 before March 10, 1975. Nominations may be made by any student or faculty member and submitted through the Head of the nominee's department, the Undergraduate Association, or the Graduate Student Council. The Goodwin Medal is awarded in recognition of conspicuously effective teaching by a graduate student who is either a Teaching Assistant or an Instructor. Further information may be obtained by calling extension 3-4869.

* Some summer fellowships for MIT undergraduates will be awarded this spring under the Eloranta Fellowship Program. All MIT undergraduates are eligible to apply for these fellowships, which provide for out-of-pocket project costs and a modest stipend. Seniors whose summer projects would actually occur after graduation are eligible. Students in the fifth year of a combined bachelor's-master's degree program are not eligible if their summer project would occur after the receipt of the master's degree.

The Fellowships support unique research or study projects in the US or abroad. The proposed summer program may involve research or study experiences at a university or at an industrial or governmental laboratory. A fellowship award would generally not be made in order to enable a student simply to go to summer school and take regular subjects or to continue projects already well underway. To apply for one of these Fellowships, a student should submit a written proposal outlining plans for his summer project and indicating how he thinks the project will contribute to his overall educational objectives. The fellowships will be awarded on the basis of the student's past accomplishments and the potential value of the proposed summer program. Applications for these fellowships for the summer of 1975 should be submitted before March 10, 1975, to Mr. Leonard V. Gallagher, Associate Director of Financial Aid, Room 5-119. No special form is necessary. Interested students may secure an information sheet at the reception desk in 5-119.

* FACES OF MUSIC CONCERT, second in a series spotlighting local bands will be held Sunday evening, February 23, 1975 from 9pm until midnight at Old West Church, 131 Cambridge Street next to Government Center in Boston. It will feature "Ghetto Mysticism," "The Tom Lee Quintet," and "Loveflame."

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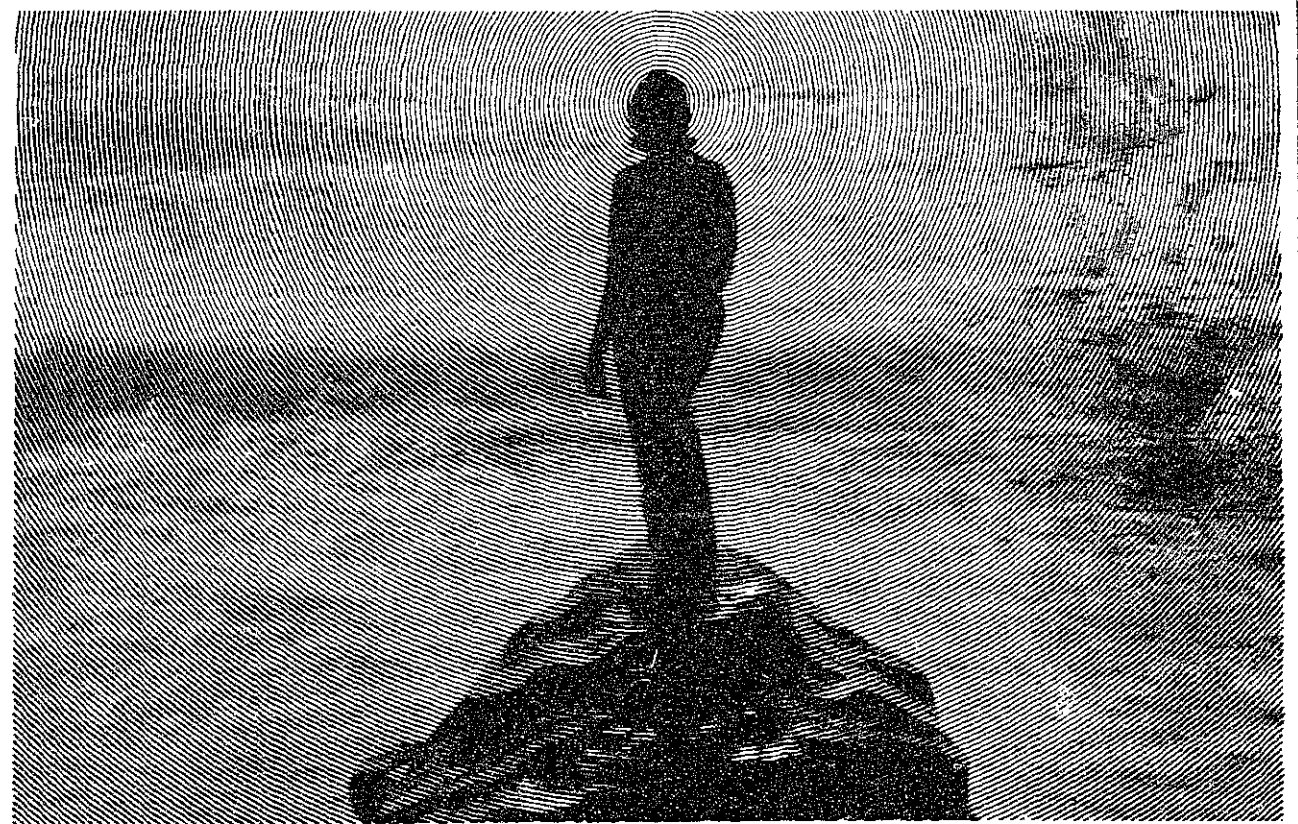
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Opinion

Continuous News Service

The Tech Since 1881

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The MIT malady

By Michael McNamee

It's been especially frustrating to work for *The Tech* during the last week. Circulation of the paper has never been better; people have been calling at 11 am on distribution days to complain that they can't find any copies of *The Tech* to read (the effect on note-taking in afternoon lectures has not yet been assessed). People are even coming into the office and asking for copies of the paper from our files - a rare occurrence.

The frustrating thing, of course, is that the increased demand is not because of bigger or better pictures, better newswriting, more sports coverage, or better commentary than in the past - the things we newspaperpeople spend hours worrying about. No, *The Tech* is in demand because the new McDonalds restaurant in Central Square is promoting "McFebruary," and we've been printing little coupons which allow one to buy three "Big Macs" or five cheeseburgers or three fish sandwiches or whatever for just \$1.

Whatever boon this might be for the food budget of the MIT students, it's a real blow to *The Tech's* ego. Watching people pick up the paper, leaf through it (right past the column which took hours to write), and then rip it apart getting at the coupon (tearing the column to shreds in the process) - it hurts.

Taste?

Watching this cheap hamburger promotion take the MIT campus by storm has been painful in other ways. The thought of all those MIT students - my fellow students! - gnawing on those spongy, fatty hamburgers encased in soggy buns with reconstituted lettuce and artificial mayonnaise does something to my stomach which I'd rather not describe. Eating one Big Mac or one cheeseburger I can understand, but the idea of three Big Macs - I shudder to think of it.

The question is, why? Why do allegedly intelligent MIT students, the pick of the nation's educational system, products for the most part of middle-class homes, want to abuse themselves in this way? What in the world is the appeal of a McDonald's hamburger?

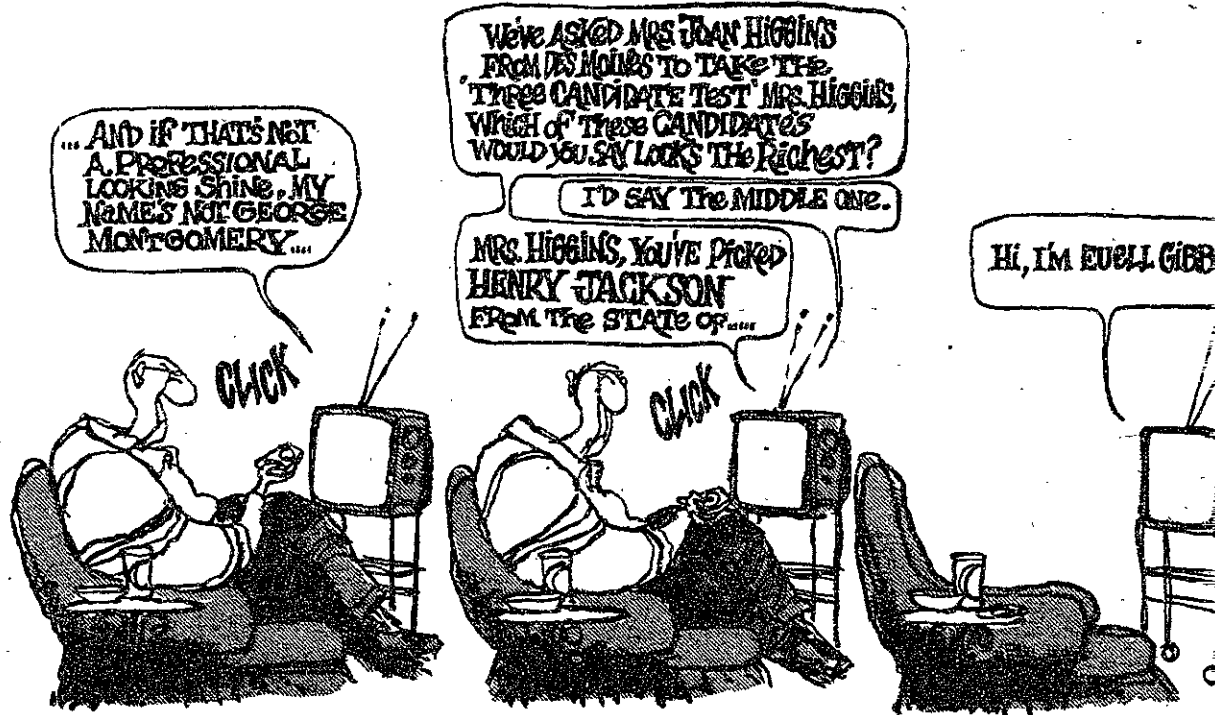
The question becomes particularly puzzling when one considers that these MIT students are right in the middle of "the Athens of America," within a \$.25 subway ride of some excellent restaurants and wonderful places to eat which many of them will never visit before they leave Cambridge. It is as if MIT students - not all students, but certainly enough to make one wonder - prefer to pass up any of the abundant vestiges of good living for McDonald's hamburgers.

The answer, of course, is based on a number of factors, but I can't help but think that the nature of MIT plays the largest role. Despite all the assurances of Deans and shrinks that MIT is not a "pressure-cooker" for students, that MIT students have no more cares than any other college students, and so forth, the evidence is on the other side. MIT is a high-pressure environment, with forces acting on students that make them single-minded, work-centered, and in general "toolish."

MIT's Chief Psychiatrist tells us that fears about America's leadership are the primary reason why more than a third of all MIT students end up on the couch before they leave here, and why so many more are disillusioned, upset, and unhappy. If he's right, Jerry Ford has done more for the psychiatric profession - not to mention the sale of hamburgers - than anyone since Freud. I disagree with the good doctor; if I were he, I'd look for the roots of the MIT malady in Cambridge not Washington.

Mike Peters

COMEDY DRAWING



Hurry, hurry, step right up ...

By John Hanzel

News item: "President Ford freed \$2 billion in Federal Highway funds Tuesday to combat the nation's growing unemployment. On Wednesday, a federal court ruled that the entire \$11.1 billion of impounded highway trust funds should be released."

"Serving number seven, number seven please..."

"Hey buddy. Yeah, you. Take a number and wait in line."

"But... don't you know who I am?"

"It really doesn't matter who you are. This place operates on a first-come, first-served basis. Now, you'll just have to wait in line like the rest of us."

"All right, all right, give me a number. Oh, Christ, number 50! That means I'm last."

"You should have gotten here early, like I did."

"Say, aren't you William Egan?"

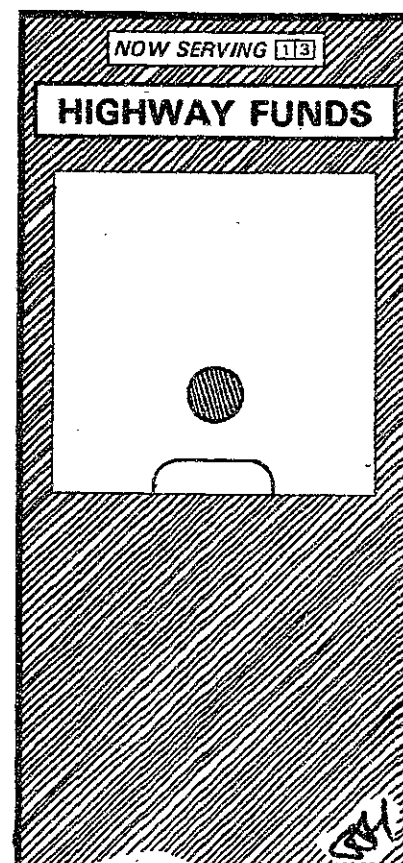
"That's right. I got down here two days early and camped out in the lobby so I could be first in line when the window opened. That way, I could be sure of getting what I wanted."

"And what was that, may I ask?"

"Ten point nine six billion dollars for a new trans-Alaskan expressway. If you think construction work is depressed down in the Northeast, you ought to come up to my state! Boy, will this new project help."

"But that's not fair! What about all of the other 49 requests for highway fund money?"

"I'm afraid those are the breaks, my friend. Do you want to argue with Jerry's method of distributing the money? Anyway, I'll probably only get 85 or 90 per cent of my request. Seems that we don't have sufficient workers to use up the money quickly enough."



"Serving number 25, number 25 please..."

"Say there, friend, why so glum?"

"I'm afraid I got here a little late, and now it looks like I won't be able to pick up any of the \$35 million I wanted to improve roads back in Massachusetts."

"Why, that's real sad, Mike. I'll tell you what, though. If I've got any money left over after my project, I'll be happy to give you some."

"Say, that would be really nice, Gov. Bowen. What project did you have in mind for your funds?"

"Why, the great state of Indiana will now have an eight-lane superhighway between Nowhere and Anytown. And just call me Dr. Otie, son. No reason to stand on formalities."

"Gee, thanks, Otie. I'm kinda new at this game. But you know, I've thinking. What with the increasing price of gasoline, Ford's new tax, and the dried out oil consumption by a million barrels a day, does it really make sense to build new highways to encourage people to drive and burn more gas?"

"You really are green, a you, boy? Why, this project create new jobs in my state come election time people going to remember that way, our people did some fangled studies with computers or some such that showed one ever goes between Nowhere and Anytown. So you people won't be using up gas 'cause no one will use road!"

"That's really clever, I think. But wouldn't it make more sense to invest the money in transit so that people will be relying on their cars for transportation?"

"Well, as a matter of fact, son, we're planning on some of the funds to buy new buses for..."

"AAARRRRRRGGGH!"

"Heavens above, what that!"

"Oh, don't worry, Otie. I was just a friend of mine in Boston. Kevin's a little senile about that term."

"You mean buses?"

"AAARRRRRRGGGH!"

"Yeah, that's the one I meant."

"Serving number 50, number 50 please..."

"Ah, at last my turn. How much of that eleven billion is left?"

"A dollar ninety-eight."

"A dollar ninety - oh, my mind, I'll take it."

(John J. Hanzel '76 is Chairperson of *The Tech*.)

Letters to The Tech

Poor Leadership?

To the Editor:

It is 9:45 in the morning. An MIT undergraduate is making his way down the hall of the main building. He has just spent ten minutes peering through his wallet, locating his ID, and surrendering it to a friend waiting in line for tickets to the John Dean lecture. There was a trace of panic in his face as the ID was transferred, like he was not quite sure what he was doing. Now he is continuing in the hallway towards Medical, about to become one of the 35-45% of MIT students who see

a psychiatrist during their academic careers.

Perhaps an understanding of the circumstances preceding this fellow's visit may help us to understand his need to make such a trip. Perhaps he is tall and ungainly, or pimply and awkward. He looks like he has trouble with heterosexual relations. One wonders what his self-esteem is based upon, what his self-concept is like. Perhaps he is too young to be thrust into the high-powered MIT atmosphere. Is he spending his latter adolescent years cooking

away in an isolated laundromat, mastering the art of percolator setology, at the expense of the experiences central to the development of his perspective?

Now I have a question for Merton Kahne. Does student, once ushered into "consultative chambers," deny his long constrained self-complaining of corruption in these United States that the issue that is really promising his optimistic energy.

- Ken Eckman

'More varsity teams': a question of quality

By Barb Moore
 "Image conscious" is the description given to the MIT athletic program by many of its athletes, who feel that this attitude is working to the detriment of the sports program.

In recent weeks, perhaps spurred by the women's basketball tournament held at MIT January 31 and February 1, criticism has reached a new high. Some of those involved in the basketball tournament felt that it was an attempt to whitewash not only the inadequacies of women's sports, but also the failings of the entire athletic program.

An obvious benefit of the basketball tournament was publicity for MIT's sports program, which bills itself as having more varsity teams than any other college in the country. In the eyes of members of the team, this publicity was all-important to the administration, much more important than the experience or satisfaction gained by the team. It was, in the words of one player, "more publicity for the top brass — some clippings to add to the files."

The idea for the tournament was not conceived with this end in mind. The original plan was to promote the role of women, through women's athletics, at schools traditionally considered "male" or "intellectual." Some-

where in the planning, some participants seemed to lose sight of that goal.

Some of the team members are overly pessimistic in their after-the-tournament evaluation, though. The good publicity for the MIT Administration is undoubtedly a side effect, but the tournament did emphasize the presence of women's athletics on campus. And with the surprisingly good showing of MIT, it was particularly good publicity for the women's team.

Dissatisfaction with the athletic department runs much deeper than what some people consider mishandling of the women's tournament, however. Representatives from several men's varsity teams expressed similar complaints, and anger at the lack of input they feel they have. One member of the men's basketball team described the problem as "a thorough lack of lass."

Specific complaints from the basketball team stem from

Other Views

The Op-Ed Page

scheduling problems and inadequacies in the facilities. Larry David '75, manager of the team, has formally complained about the poor scheduling of games and the lack of overall control by the coach. His feelings were presented to the athletic administration last fall. According to Ross Smith, Director of Athletics, most of the problems are being solved.

The scheduling complaints center around both the times and the schools played. As David explained it, "A lot of our traditional opponents have gotten too strong for us. We are losing talent through recruiting and financial aid." One varsity player agreed that "being blown off the court every year by Yale really hurts morale."

To compound the scheduling difficulties, the coach does not have final control over the schedule for his team, according to David. Consequently, the players are insulated from those who decide their schedule. In fact, a major cause of many of the complaints can be traced to isolation of athletic department higher-ups.

Basketball is by far not the only team with complaints. A constant concern of the depart-

ment is the quality of coaching. The hockey team spent 25 years under a coach who, in the past few years, could barely ice skate. However, physical education professors can be tenured and it is no simple task to dislodge a tenured professor.

Since Associate Professor of Civil Engineering Wayne Pecknold, an accomplished hockey player, took over the team, team members report a definite increase in morale. The scores may not yet reflect the difference, but players are optimistic about the future of the team. The swimming team has experienced similar deterioration, attributed by team members to the poor coaching.

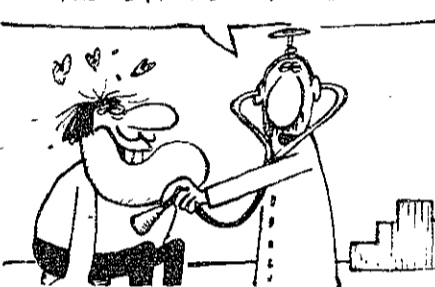
Women athletes at MIT have special problems. They receive funding from the department, but, as one varsity athlete says

"They (the administration) take women's athletics as a joke." Although teams receive financial support, they often do not feel they are given the enthusiastic backing of the department. "The administration really is concerned with the image," she continued, and she feels that image is the reason for even women's funding.

Teams will always have complaints, and the ideal situation of unlimited financial support and perfect team input in all decisions will obviously never be reached. But a sizable segment of the athletic community is dissatisfied with the current situation. Even if MIT has more teams than anybody else, it may be time for a look at the value of quality versus quantity.

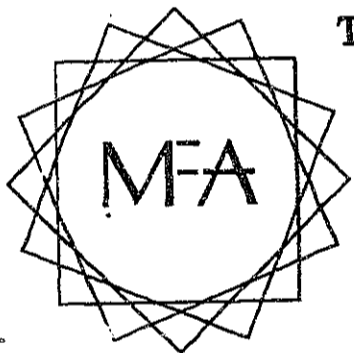
(Barb Moore '75 is a former Chairperson of The Tech.)

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The budget: a special analysis

Education 'budget war' continues under Ford

The "budget war" between the federal government and higher education begun during the Nixon Administration apparently is going to continue under President Ford.

If the FY76 budget's allocations for student financial aid, aid to colleges, graduate fellowships, and university research are any indication, colleges and universities are going to have an up-hill fight against the government to preserve their already-precarious financial status.

Fortunately, the institutions will have a strong ally when they go up against the Administration - Congress. The legislators have blocked Nixon's attempts to cut education funding for three years, and they seem willing to do the same for his successor.

"The President's efforts to get some programs rescinded have no support in Congress," one staff member of the Senate Labor and Public Welfare Committee (which oversees education) told *The Tech* last week. His sentiments were echoed at other locations on Capitol Hill, where Congressmen and their aides are taking hard looks at Ford's proposed cuts in funding of social programs.

The Ford budget proposes outlays of \$7.4 billion for student aid and \$2.3 billion for research and development at colleges, for a total of \$9.7 billion. While this is up from estimated FY75 outlays of \$9.6 billion, the amount is not enough to keep pace even with the Administration's conservative 8 per cent inflation estimate.

The Nixon-Ford plan, according to congressional sources, is to kill several financial aid programs, substituting the Basic Educational Opportunity Grant program for the older supplementary grant and National Defense Student Loan programs. Most of the increase in student aid funds is in BEOG, which is being increased from \$650 million this year to \$875 million in FY76. NDSL and supplementary grants, on the other hand, are being cut to zero in the budget and the Work-Study Program - federal aid to colleges to encourage hiring of student labor - is being cut from \$300 million to \$250 million.

Congress, however, is not at all likely to go along with these cuts. "Poor Nixon tried for two years to kill everything but BEOG," one House committee

staffer said. "But the legislation requires that all other programs be funded before BEOG." Congress has always come through for the other programs.

This year's education budget is regarded on the Hill as "a holding action," designed to hold the line against Executive cuts until new plans of action can be drawn up next year. Committee memberships have not changed significantly since the authorizing legislation behind the programs was written in 1972, and the Congressmen are not expected to make drastic changes. "There may be some tampering, but very few major changes," one House staff member said.

MIT officials are already watching the battle shaping up in Washington over the college aid programs. With MIT's equity level expected to go over \$2200 next year and severe pressure already being felt on aid funds, the Institute feels it has a large stake in the aid struggle.

If Ford's budget goes through, the major effect on MIT would be increased pressure on scholarship funds, an area already hard-hit by inflation, according to Leonard Gallagher, Associate Director of Student Financial Aid. "The demise of loan funds would really hurt our flexibility with aid," Gallagher told *The Tech*. "For a couple of years we might be okay, but then we would find ourselves depending very heavily on scholarship money."

Basic policy changes in MIT aid would be necessary, Gallagher said, if loans are sharply curtailed. "Right now we can guarantee loan money to any student who doesn't want to work. We'd lose that capability."

Graduate aid to MIT is not expected to drop in the Ford budget - only because "it can't get any worse," Dean of the Graduate School Irwin Sizer said. Graduate funding through fellowships has dropped precipitously in the last three years; National Science Foundation fellowships to MIT, which constitute a large portion of MIT's graduate aid, have dropped from 800 to 350 in that time. That number is expected to remain constant next year, Sizer said.

"President Nixon was no friend of graduate education," Sizer explained. "He would just as soon have had them paying for their own education."

Energy: R&D plans lacking

Research and development priorities for FY76 are geared heavily toward one goal - energy self sufficiency.

The bulk of federal R&D expenditures will go for energy work, most of which will come under the auspices of the new Energy Research and Development Administration.

ERDA's first budget will approach \$3 billion, but energy specialists on Capitol Hill are keeping a keen eye on the new agency's budget, and justification for the full amount asked for by the Ford Administration may come difficult.

The problem, Hill staffers complain, is that ERDA's budget is difficult to interpret and - despite the statements to the contrary by Administration energy czars and spokesmen - ERDA is not directing a comprehensive energy research and development program.

Although R&D activities of a number of federal agencies were integrated into ERDA when it was created last year, energy research remains scattered throughout the federal bureaucracy.

The ERDA budget is, according to one Senate staff member, "the most explicit version of the Ford Administration's R&D policy yet." However, there still are shortcomings, and areas where Congress and Ford's energy team may disagree.

In order to better piece together and evaluate the Administration's overall policy, Congress' Office of Technology Assessment has been asked to do a critical analysis of the energy budget during the next month, to include an evaluation of ERDA's research activities.

The OTA team is finding the energy budget difficult to isolate, since funding is spread among a number of agencies. "This budget was put together by OMB on the basis of reports submitted by the agencies that went into ERDA," said one staff member. "The budget shows no comprehensive program for energy, and no systematic plans for the future. No one has sat down and judged which energy source is better."

Despite the complexity of the energy R&D budget, several major changes are noticeable in the FY76 request, as well as several potential problems for the Administration's energy planners.

Research relating to fossil fuels and other non-nuclear energy sources will increase by more than 60 percent in FY76, with high priority on coal liquefaction, gasification, and - minimizing the environmental consequences of coal burning. There also is increased funding for geothermal testing and for demonstrating the economic viability of solar energy as a long range energy source.

For nuclear power, the only marked increase is in funding of fusion research, with constant levels maintained for the breeder program and for further development of standard fission plants.

One thing missing from the nuclear budget is an expanded development program for improving nuclear waste treatment and disposal. Although the ERDA budget includes a \$5 million increase for waste management, one congressional staffer said "the amount is not high enough. ERDA is not looking at the consequences of large scale

waste management."

Yet another congressional complaint could arise from ERDA's low level of funding for energy conservation. End-use conservation, which many observers believe to be a viable short-term fuel economy strategy, receives only \$3 million in the FY76, with the remainder of the conservation activities aimed at more long term goals.

A final congressional stumbling block in ERDA's budget path is the amount of military R&D the new agency will be undertaking. The ERDA request is "misleading," one congressional staff member said, since more than 25 per cent of ERDA's budget goes for "national security" work, including weapons activities, laser fusion research and nuclear materials safety. "The ERDA budget has a great deal of military money mixed in with it," he said, "which leads people to believe all the money is going to energy research."



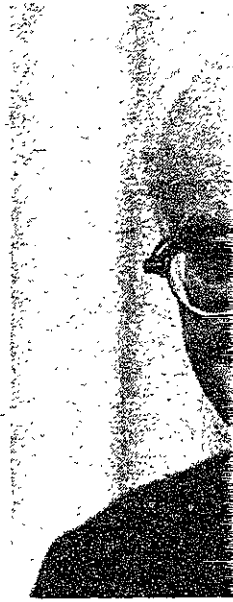
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Chairman, House Appropriations Committee



Sen. Edmund S. Muskie
Chairman, Senate Appropriations Committee



Sen. John L. McClellan, D-Mississippi
Chairman, Senate Appropriations Committee



Rep. Wright Patman
Chairman, Joint Economic Committee

Ford's economic plans face hostile Congress

According to Sen. Jacob Javits (R-NY), "We are in an emergency situation" - one which is likely to get worse and not better as Congress considers President Ford's FY76 budget request.

At least that's what Javits told Arthur Burns, chairman of the Federal Reserve System, during hearings last week before the Joint Economic Committee.

But Burns preferred to call the current economic situation a "serious recession," and told the committee he was not to blame for what he termed "this mess."

The clash between Burns and the joint committee was only one of many conflicts that surfaced during Congress' first week of budget review. The main question in Washington is how to best allocate the \$349 billion in the FY 76 budget to improve the economy and the nation's energy outlook while satisfying

all parties involved.

That may be impossible.

The fiscal outlook offered in the President's budget message is not bright. Unemployment will continue to rise through the remainder of this year, as will inflation.

The federal deficit (which many observers treat as a poor joke at best) will peak toward the end of 1976, and then change course through 1980.

But the primary concern is still how to survive in the short term, and last week the Joint Economic Committee decided it was time Arthur Burns came up with some answers.

The Federal Reserve chairman suggested that a major energy program is needed, along with "better measure of discipline in federal finances... Ways must be found to curb the ever growing share of the national income absorbed by govern-

mental programs - especially programs that transfer funds from persons who work to those who are not productively employed."

If it seems like an Administration attack on social programs, committee staffers were quick to point out that it was. They were equally quick to add that Congress is not likely to follow Burns' advice when it looks for budget cuts.

Rather, congressional economic leaders say better money management - and not cuts in social service programs - is more important for improving the economy.

One House Banking and Currency staff member said that committee - under the new leadership of Rep. Henry Reuss (D-Wisc.) - has assigned highest priority to a resolution directing the Fed to increase the supply of money and bring down interest

rates.

Burns is not pleased by the direction Congress is taking and he warned last week that any attempts to control interest rates will only add to the nation's economic woes.

Professor Robert Solow, of the MIT Economics Department, doesn't agree. Solow told *The Tech* that Burns' tight money policy could have "dreadful" effects on the economy over the next five years, and he said Congress should resist any Administration pressures to slash social programs to save money.

"The notion of limiting social security benefit increases to less than cost of living increases is intolerable," said Solow. "Why should you want to put the burden on people who are less well off? You could make a very strong case that there should be more expenditures."

The economy is likely to be

as much trouble to Congress over the coming months as it is to Arthur Burns. There are many questions and few answers.

One House staffer said the House Banking Committee is working on a program of loans for socially desirable industries. "It's not a Lockheed bail-out type thing by any means," he said. "But we figure we can help labor by helping industry."

No one's crystal ball is very clear at this point, but it seems that Congress is determined to cut taxes, move ahead on energy programs, knock down short term interest rates, and increase the money supply, all of which are opposed by Burns and President Ford.

Financial moves in the 94th Congress will, staff members say, most likely be limited to bail-out and salvage operations, with bold new initiatives deemed unlikely.

New procedure aids Hill Pentagon wants record \$95

The federal budget process is a complicated maze of bureaucratic actions, policy decisions and political bargaining.

Although intended to represent an estimate of total receipts and expenditures for a given fiscal year, the requests from the White House often reflect little more than what the Administration sees as a perfect set of circumstances.

"The budget is a fucking lie," said an aide to one leading senator involved in the process. The fact is that the figures listed in the budget request go through a number of transformations by the time Congress decides upon actual authorization levels.

For years the executive branch has had the upper hand in getting the budget through Congress. The Legislature was ill-prepared to deal with so massive and complex an issue, and Congress could not afford to give the budget the scrutiny it deserved.

This year — for the first time — Congress has its own Congressional Budget Office (CBO), staffed by about 200 people who — together with the House and Senate Budget Committees

The piecemeal approach also meant that only 44 per cent of the budget went through the appropriations process. Now, Congress says CBO and the budget committees will examine 100 percent of the budget every year.

What will result — congressional sources say — is a more comprehensive and less haphazard process for dealing with the budget requests submitted annually by OMB. CBO will submit proposed spending totals to Congress for debate and modification. These will be at the major program funding level, and staffers say no "backdoor" funding will escape their scrutiny. Every penny will be accounted for.

Will it work? Can Congress keep to a timetable? Can it resist "backdoor funding" temptations? Is it willing to have everything out front, with a roll call vote required to reconcile bold economic plans with harsh political realities? Are we seeing the beginnings of a new wave of effective congressional reform?

Obviously, it is too early to tell. But Appropriations Committee staffers, bitter about

The Pentagon is looking for a record \$95 billion for FY76 outlays, which include several major additions likely to run into congressional trouble.

For the first time, the Defense Department has requested a total obligational authority exceeding \$100 billion, "to offset higher costs and maintain defense preparedness."

Pentagon economists say the defense budget has declined sharply in recent years in terms of constant dollars. The increase in this year's request, they say, represents an attempt by President Ford "to reverse the erosion of DOD purchasing power."

Defense Secretary James R. Schlesinger, in justifying the Pentagon's request, has said, "If we are to abandon the maintenance of a worldwide military balance, it should be done consciously with full understanding of the long-term consequences of inflation."

Schlesinger's reference to "generalized discontent" was not accidental, for as he only too well knows, the FY76 budget is destined to run into what is potentially the most discontented and budget-cutting Congress yet.

"Most members think that the House will demand fairly substantial cuts. But we haven't gotten into it enough to know where the cuts will come from or what will be affected," said Ralph Preston, of the House Defense Appropriations subcommittee, which opens its hearings in two weeks.

"Mr. Mahon (chairman of the Appropriations Committee) says the cuts will amount to about \$5 billion, while other members are saying as much as \$10 billion. I think it will fall somewhere in between, and am fairly certain we'll see cuts of \$5-10 billion," he said.

Pentagon critics are already setting their sights on certain categories and additions in the FY76 defense budget. An aide to Rep. Les Aspin (D-Wisc) said the Wisconsin Democrat will try for an across-the-board cut in the budget, leaving Schlesinger with the responsibility for implementing it. But barring the overall cut, Aspin and others also are looking at specific projects.

"This year, for the first time,

some major weapons systems — especially the B-1 — are in real trouble. The cost of the plan has gone up, the need for it now is less clear-cut, and the composition of Congress has changed. Something like cutting back or killing the program is not unthinkable, he said. "The thing that is really worrying the Pentagon the most is the \$522 million supplemental aid to Indochina. They're really beating their heads against the wall. There is a 50-50 chance that will be killed outright."

In all, six areas within the defense budget appear to be headed for trouble on Capitol Hill. They are:

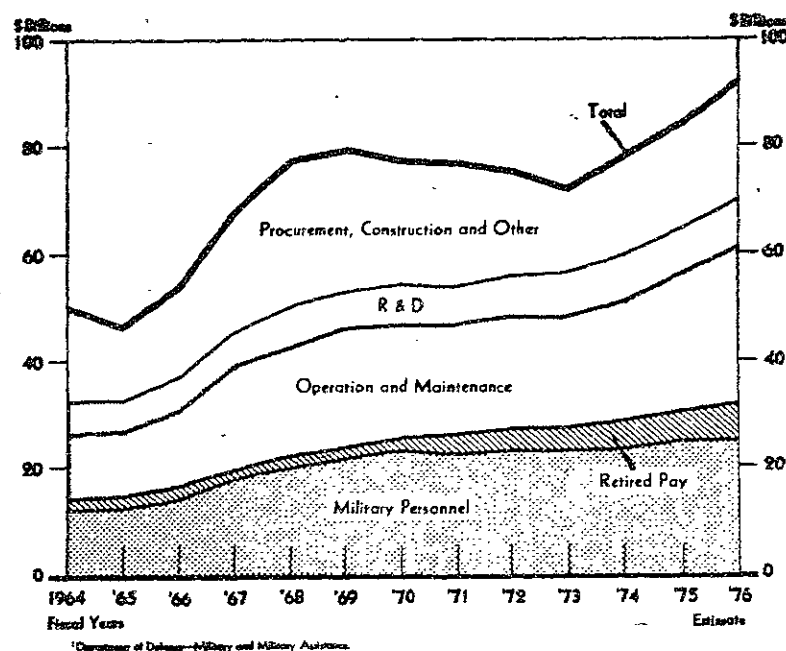
— \$522 million earmarked for

presenting possible alternatives to the new bomber.

— \$1.172 billion for the Trident submarine program, a decrease of \$100 million from the FY75 request. Most of the FY76 request is for procurement of one of the new vessels, and the main stumbling point in Congress is over the Pentagon's timetable for delivery of the fleet.

— An increase of \$1 billion for military research and development, including four major programs: the Trident missile, the Air Force and Navy cruise missile programs, and the advanced air combat fighter. The latter three could face cutbacks or elimination.

Defense Outlays



military assistance to Vietnam and Cambodia. Congress has already indicated it does not want to re-enter the conflict in Southeast Asia, with or without actual military intervention.

— A \$1.5 billion request from the Navy for shipbuilding, to cover procurement of 10 patrol frigates, 2 destroyer tenders and 2 fleet oilers, which Congress may deem unnecessary or seek to delay.

— An increase of \$304.2 million for the B-1 bomber, including \$77.0 million for the first year of production. Sen. John Stennis (D-Miss), chairman of the Senate Armed Services Committee, has directed Air Force Secretary John McLucas to prepare a report for Congress justifying the B-1 request and

Civilian personnel, now numbering 950,000 — a figure Congress might decide is too high.

In addition, the House will be giving more scrutiny to the budget for the intelligence community (including the CIA, National Security Agency and defense intelligence agencies), hidden within the total defense request.

For the first time, the full defense appropriations subcommittee in the House will examine the intelligence budget, opening it to more critics than in recent years. Committee staffers predict CIA Director William Colby will have a harder time justifying his requests this year, and add there probably will be "some big dollar reductions."

Above all — Ford's future

The 384-page red-white-and-blue volume released last week by the Office of Management and Budget contains not only the FY76 budget — it contains Gerald Ford's political future.

Aides within the White House and their counterparts on Capitol Hill are agreed on one thing: if Ford's economic planning fails to bring down double digit inflation and turn around rising unemployment trends, the GOP will be looking for a new man in '76.

The Ford Administration is predicting that current economic conditions will begin to reverse themselves sometime after the 1976 election. By that time, Administration economists report, inflation will come down from a high of 11.3 percent (their prediction for 1975) to 6.6 percent. Likewise, total unemployment will decline from 8.1 percent (again the figure given for this year) to 6.4 percent, with steady decreases seen thereafter.

Ford is hoping the predictions of his advisors will come true. Conservative Republicans have said they want another candidate and in the meantime, in 1976, Congress says it is going to take a more active role in initiating public policy with a particular emphasis on economic strategy. Ford is urging the public to stick with him until after the '76 election, at which point he says the federal deficit will hit its high, take a sudden downward slope and finally turn into a surplus by 1980.

However, Congress and the public cannot wait for 1980. Ford will be tested on how well he does in the next two years, and especially in the coming six months. If conditions begin to improve toward the end of this year, as Ford says in his budget message, he will be free of at least one major

and inflation continue to rise and Ford's tax plan does not produce an increase in federal receipts and a boost in personal buying power, congressional Republicans will begin deserting the Administration's listing ship, with eager GOP candidates scrambling to salvage next year's presidential race.



Frank Fiser, courtesy of The Indianapolis Star.



uskie, D-Maine
Budget Committee



Rep. Henry S. Reuss, D-Wisconsin, Chairman,
House Banking and Currency Committee



an, D-Texas
Economic Committee



Sen. William Proxmire, D-Wisconsin, Chairman,
Senate Banking, Housing, Urban Affairs Committee

— are expected to provide the legislative branch with its first competent advice on federal spending.

Although they are still outnumbered two-to-one by the Office of Management and Budget, (OMB) the CBO staffers expect to be able to hold their own.

"Our (staff) won't be civil service people," one staff member said last week. "They'll be younger, hungrier and for a little while, less bureaucratic. In any case, it will be a closer match. Before we had zero."

In recent years, the budget system has shown signs of strain. Appropriations have been whisked through Congress in continuing resolutions, without any broad overview of the budget situation.

That, according to one CBO staffer, has left 75 per cent of the budget "relatively uncontrollable" from year to year, as that money is based on previous

"poachers" on their territory (budget control) frankly labeled the new process "a crock," as unlikely to succeed as the current "limiting process," the "artificial" debt ceiling. "They'll just vote the debt up every time, and it will be just like what we have now," said one staffer.

A Senate budget committee staffer responded. "Of course I disagree. At least Congress will have to think about their actions. And the CBO will give them more information to act on."

Whatever the outcome of the CBO's first year of operations, it is a significant step for the Congress. This is a year when sweeping change could come to a number of congressional traditions and standards, evidenced at the beginning of the current session by the overthrow of entrenched committee chairmen in three House committees and more recently by efforts to resist Administration control of

Writing Program starts courses

(Continued from page 3)

and other writings pertinent to students in technical fields, this method is also being used.

"Writing is a part of technical skill," states Patsy Cumming, who, with Professor Robert Rathbone, coordinates the program. She explained that while engineering or science students don't necessarily need a course in creative writing, technical writing skills are very important for them — both for papers they must write while at MIT, and after graduation when writing will be a part of their jobs.

The writing problem at MIT is intensified by the fact that many faculty members themselves have writing difficulties.

"Teachers need to respond to the writing in lab reports," Skier said. "Instead of having an army of writing teachers, we hope to turn the faculty into specialized writing teachers capable of teaching writing in their own field."

In order to accomplish this, two faculty writing seminars were held during IAP.

The Writing Program also fills a humanistic need at MIT, Program members explain. Unlike most courses at MIT, a writing class allows interaction among its students. This is important for many students who feel cut off from others.

However, writing has always been the top priority of the program. Teachers Joe Brown and Steve Reuys, along with the rest of the Writing Program staff, are struggling to make students realize that the way in which a research paper or lab report is written is just as important as the actual research or lab work done.

"The ultimate goal of the Program," Skier concluded, "is to have good writing instruction be a part of every undergraduate's education."

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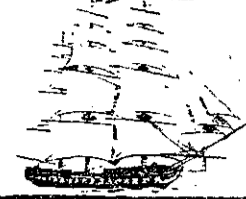
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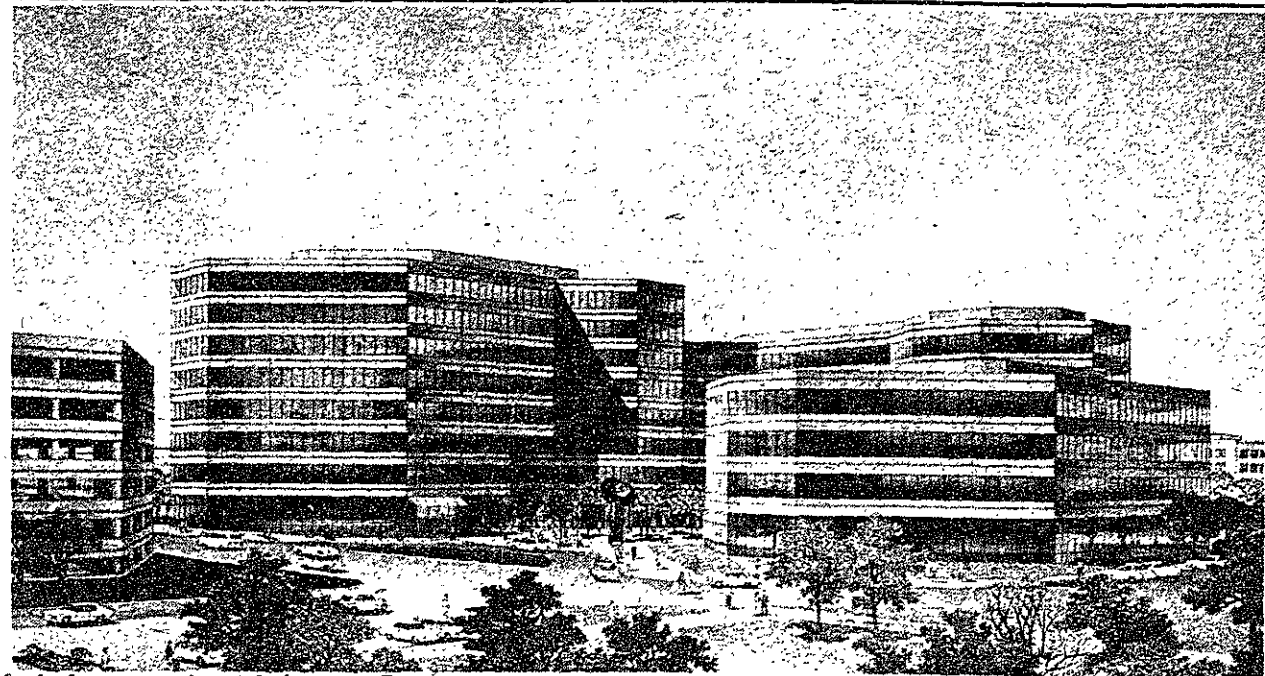
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Artist's conception of the new Draper Labs facilities in Tech Square, now under construction.

Draper Labs to relocate in Tech Square in 1976

By Jeffrey Stein

Draper Laboratories will consolidate its research and administrative activities in its new Tech Square complex in the spring of 1976 if everything goes according to plan.

Completion of the new facility, which will have double the space now available for the Lab's research work, is scheduled for December, 1975, with occupation of the new complex immediately following.

The new facility, being developed by Cabot, Cabot and Forbes for the Labs, will allow Draper to consolidate from the 12 scattered buildings it now occupies in Cambridge to a single complex. The new facility will provide 450,000 square feet of office and laboratory space in three interconnected buildings.

Consolidation of Draper's activities combined with "serious structural problems" in several of the buildings Draper currently

rents provide impetus for the move, according to Joseph O'Connor, Executive Assistant to the President of Draper Laboratories. The Tech Square location was chosen, O'Connor said, to allow the labs to stay in Cambridge, with proximity to both MIT and Harvard University.

"Draper Labs enjoys being a contributor to education in its relationship to MIT," O'Connor said. The Labs employ about 35 MIT graduate students, conduct several undergraduate seminars and research projects, and provide lectures for the Department of Aeronautics and Astronautics.

Draper was originally a part of MIT, beginning in the 1940s as the Instrumentation Laboratories. The Labs were "spun off" from the Institute in 1972, after anti-war protests centered on weapons and guidance research done for the federal government
(Please turn to page 11)

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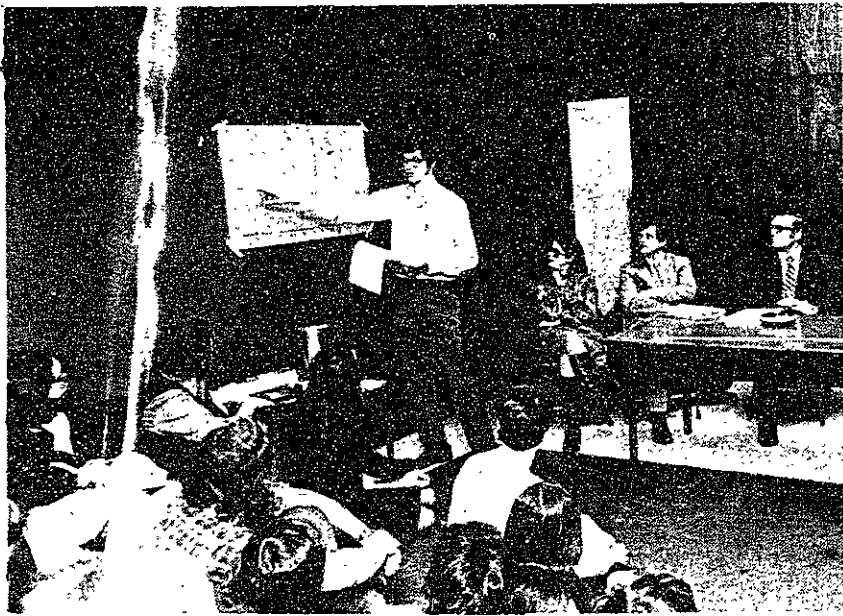
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Tom Klimowicz

John Miller, former President of the Westgate Community Association, explains a temperature chart in defense of Westgate residents at a recent meeting with MIT administrators.

Overheating problems linked to rent increase

(Continued from page 1)

work ying to rectify the system, Miller noted, but so far, has not had much success. "It must be embarrassing," he said, "to be the finest engineering school in the world and not be able to solve a basic engineering problem."

The thermometers were installed in apartments last month, he said. This was done to enable residents to know just how overheated or underheated their apartments were when complaining to Physical Plant.

In addition, Henle said, some improvements in the heating system were made last week in many apartments. But these improvements said Miller, "should have happened long ago — any savings we make now will be small."

MIT's Position

At a meeting of Housing Office members and Westgate residents Tuesday night in the basement of Westgate, Brammer defended MIT's position. He said that Physical Plant and the Housing Office have been working on the heating system since July — with some interruption in October caused by the service employees and cooks strike. "We have to look at the system over a long period of time," he said. "We can't say we are going to change the system and have it done tomorrow."

Brammer explained that the Housing Office's policy for all dormitories is to heat to a comfortable level, even though this results in many complaints of overheating. This policy has been changed in Westgate, he noted; now an attempt is being made to keep temperatures low and wait for residents to complain of underheating.

William Dickson, Director of Physical Plant, admitted at the meeting that the heating system problems have existed since Westgate's inception. "But we have to look at the capital costs of making changes," he said, suggesting that these costs are too high. He also indicated that it would be too expensive to completely replace the present heating system with one which would allow residents to independently control the temperature level in their apartments.

Dickson added that while temperatures in the lower floor apartments can be kept at about

68 degrees, it is impossible to maintain the temperature of apartments on the higher floors at the same level. This, he explained, was due to the fact that heat tends to rise in buildings. "Even if the system were perfect, the temperature couldn't be kept at 68 degrees in the whole building," he said.

Dickson noted his displeasure with the heating system problems. "I'm the goddamn frustrated person at the Institute," he said. "I know it seems like gross inaction if we can't drive down temperatures in a reasonable fashion. But it's just not possible to operate the building as it was designed."

Brammer pointed out that one factor prominently affecting fuel costs has been the huge increase in the price of oil. Last April, he said, the Housing Office, in planning its budget, expected the price of oil to be 12 dollars per barrel. Since then oil prices have well exceeded that. "If fuel prices go down," he said, "rents may also go down."

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Police Blotter

Police Blotter is a weekly compilation of Campus Patrol Activities on and off the MIT campus. Items for the Blotter are selected by the Patrol.

2/4/75

The Campus Patrol questioned a subject relative to a complaint of an unauthorized person in a room in Building 3. The person was interviewed by the Patrol and warned off the property. The Campus Patrol requests to be notified of persons prowling around the buildings.

2/4/75

A Grad Student was found naked in the ladies room on the fourth floor of Building 13. This person was convinced to get dressed and accompany the officers to the infirmary where he was interviewed by a psychiatrist. Later he was admitted to a Sanatorium located in a nearby town. This should eliminate our problems with indecent exposures in the vicinity of Building 9 area.

2/5/75

The Patrol received a report of a man carrying a gun in the Student Center. Investigation discovered that a member of an outside security agency had entered the building while off duty with a fake sidearm. The subject departed from the property after interrogation.

2/7/75

An MIT affiliated person was walking on Vassar St. in the vicinity of Briggs field at 10:40pm when a vehicle pulled along side and two males got out of a late model car and threatened the victim with a bat and screwdriver. A small amount of money was taken from the victim and the subjects left in the vehicle. The area was searched

D-Labs to move to Tech Square

(Continued from page 9)

put pressure on the MIT administration to divest the Labs.

Will rent from Cabot

Draper has secured a long-term lease with Cabot, Cabot and Forbes which will allow the Labs to locate there for at least 25 years. At present, Draper rents half its space from MIT, and the remainder from Cambridge commercial interests.

The new facility will consist of three buildings, with four, six, and eight stories, interconnected to form the complex. A six-story parking garage is also being constructed; Draper will share the parking space with other Tech Square occupants.

The garage will also house several specialized laboratories which will be isolated from the main complex; for example, missile vibration test facilities, which might damage sensitive instruments if housed in the main buildings, will be located in the garage.

The Labs, which receive 90 per cent of their work from the federal government, are engaged in design and development of guidance and navigational-control systems. Draper is heavily involved in the American space effort, contributing many of the guidance systems used in the Apollo manned flights to the moon.

by Cambridge and MIT patrolmen with negative results.

2/7/75

A report was received by the Patrol of a youth seen attempting to enter motor vehicles in the vicinity of Kresge and McCormick. This juvenile, 11 yrs. old, was found to be in possession of a jack knife and a bent fork utilized for breaking into autos. This boy gave the patrolmen an exhibition of his skill on entering vehicles to ransack the glove compartments and steal any articles left on the seats. The subject's mother was notified to transport her offspring from the property and to keep him off the same.

2/7/75

At 12:30pm the Patrol was notified of a hold-up in the Tech Coop. The manager reported that a subject approached the cash register in the Men's Department and handed him a note that stated "this is a hold-up, put all the money in a paper bag." The subject then removed what appeared to be a gun from the bag and informed the manager to put the money in the bag, as the gun was real. The subject departed from the vicinity with \$73 in the bag. A view of photos failed to bring positive results, but the MO and description fitted the subject who held up the Harvard Coop on 2/3/75.

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Sports

Wrestlers top UConn and WPI

By Farrell Peternal
The MIT wrestling team heads into the last week of the dual meet season with a 9-7 record after defeating Worcester Polytechnic Institute and the University of Connecticut by scores of 33-10 and 20-15, respectively, in a triangular meet in Worcester Tuesday night.

Coach Will Chassey's grapplers have decisively turned the tide of an early injury-plagued losing streak by winning seven of their last nine matches, and their chances for finishing well in the New England tournament look reasonably good.

Co-captain Jack Mosinger '75 continued his outstanding unde-

feated dual meet record as he won both matches, beating the Connecticut 118-pounder 13-4 and pinning his WPI opponent in 3:54. Mosinger's record is now 16-1, with his only defeat coming in the Greater Boston League tournament last week. Loren Dessonville '75, the team's other co-captain, suffered his fourth defeat in thirteen matches at the hands of the tough 177-pound Connecticut wrestler, losing 3-2, but rebounded to pin his WPI adversary in 2:47.

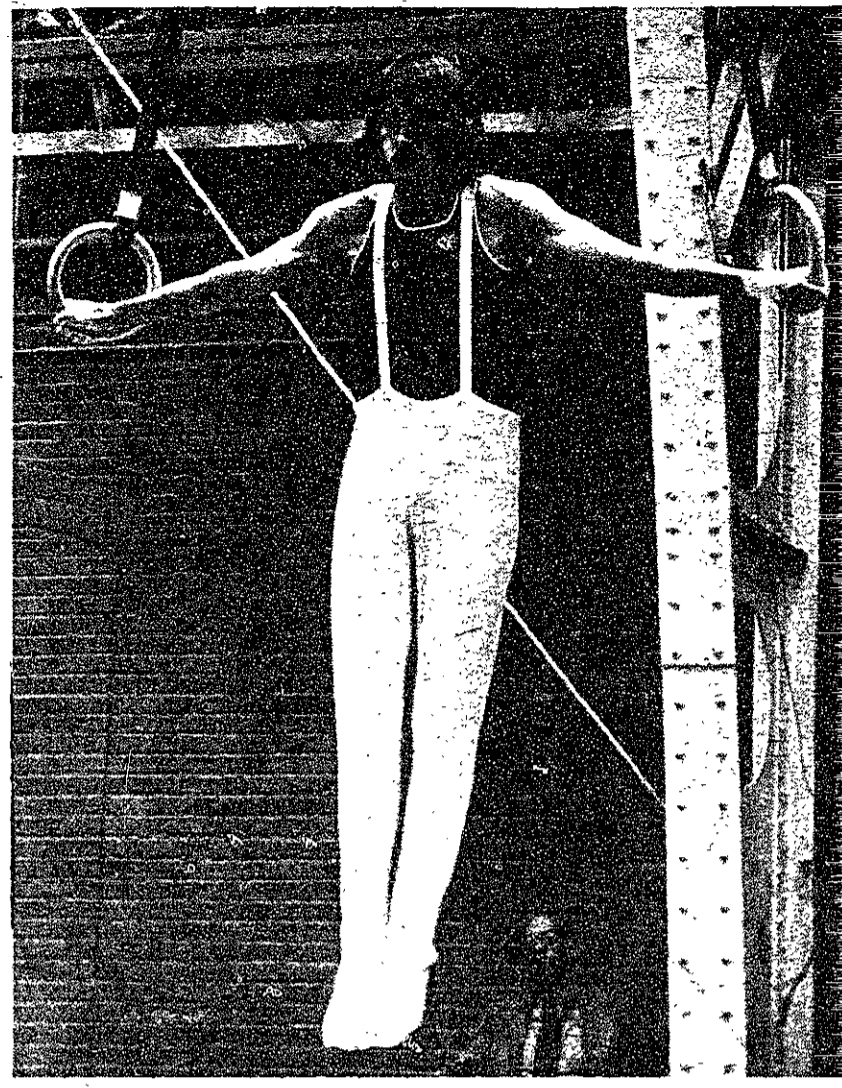
Unlimited wrestler Erland van Lidth de Jeude '76 gave two fine performances, outweighing, outmuscling, and outwrestling both opponents, pinning each in

less than 45 seconds. Van Lidth de Jeude's record now stands at 14-3-1.

Among the other outstanding efforts was senior Peter Haag's 4-3 win at 190 pounds that provided the margin of victory over UConn. Joe Scire '77 came away with two wins, a 7-0 decision against UConn and a 3:32 pin against WPI. John Thain '77 beat his WPI foe 8-3 and tied the 158-pound Connecticut wrestler 3-3.

Sophomores Jody Silver (127 pounds) and Werner Haag (134 pounds) split matches, the former winning his WPI match and the latter beating his UConn opponent. Farrell Peternal '77, filling in for the ill Steve Brown '77 at 142 pounds, went down to defeat twice. Freshman Darwin Fleischaker picked up a 5-2 win over WPI, but lost to the UConn 167-pound wrestler.

These dual wins should improve MIT's New England wrestling ranking, probably pushing the Engineers up a notch or two from the sixth-place position they held going into Tuesday's matches.



Engineer gymnast Jon Johnson '76 performs an iron cross on the still rings in Wednesday night's 143.75-139.60 loss to Boston State at duPort. Johnson's complete routine earned him a 7.65 score good enough to win the event. Andy Rubel '75 picked up MIT's only other individual event win with an 8.0 on the parallel bars as Boston State captured four of six events to win the meet.

Track fifth in GBCAA; Okine only MIT scorer

By Dave Dobos
MIT's varsity indoor track team placed fifth in the 16th annual Greater Boston Collegiate track meet held at Harvard (field events) and Tufts (running events) last weekend.

Northeastern ended a perennial Harvard dominance of the championship trophy with a strong showing in the running events. The Huskies amassed 88 points to top the Crimson's 85. Boston College followed with 68. Fourth place went to Brandeis with 14, while MIT's six was barely good enough for fifth as Tufts and Boston University trailed the field with five apiece.

The lone individual scorer for the Engineer thinclads was Rich Okine '77. Okine, after running excellent races in the trials and semifinals, sped to second place in the high hurdles, losing to his Northeastern rival by inches.

Senior co-captain Gary Wilkes anchored the Engineer mile relay team of George Braun '75, Mike Ryan '76, Okine, and himself to a section first (fourth overall). When Wilkes received the baton, he was in third place, ten yards behind the leader. A sudden burst of speed in the last 220 made his section victory look easy.

Harvard's Mel Embree won the most valuable performer

award by smashing the high jump record with a leap of 7'2 1/4". BC's Keith Francis also received some MVP votes for his mile victory in 4:09.4 and his anchor leg of the winning BC mile relay team. Another highlight of the meet was Northeastern's Boris Djerassi's record weight throw heave of 67'7", shattering the previous mark by over five feet.

This Saturday, MIT competes in the Easterns at Southern Connecticut.

Sporting Notices

Team entries and rosters for IM Squash are due by 5:00pm on Thursday, February 20 in the IM Managers' Office, W32-1.21. All entries must include a designated team captain, mailing address, and athletic card numbers of all players.

* * * * *

There will be an IM Council meeting next Tuesday, February 18 at 7:00pm in the Varsity Club Lounge. Elections will be held for chairman, secretary, and chess manager.

IM hockey standings:

Team	W	L	T	Pts	GAGF
A League					
LCA 'A'	5	0	0	10	18 4
Fiji/Baker	3	1	0	6	12 5
Meteo/Math	0	3	0	0	5 12
Theta Chi 'A'	0	4	0	0	2 16
B1 League					
SAE 'B'	5	0	0	10	28 6
EC/Chem	3	2	0	6	23 12
Sigma Chi 'B'	3	1	0	6	14 7
SPE	3	2	0	6	18 20
ME/MacG	1	3	0	2	12 11
Chi Phi	1	3	0	2	9 27
Theta Chi 'B'	0	5	0	0	2 23
B2 League					
Plumbers	5	0	0	10	27 1
Theta Xi 'B'	3	1	1	7	21 9
BTB/Burton	2	1	2	6	13 11
NRSA	1	3	1	3	8 15
BTP/AEPI	1	2	0	2	3 10
ATO 'A'	1	3	0	2	3 16
Bexley	1	4	0	2	3 16
C1 League					
PBE/No. 6	3	0	1	7	14 5
PLP	3	1	0	6	15 5
ZBT/PKA	3	2	0	6	21 13
Baker MP	2	2	1	5	11 9
SAE 'C'	2	3	0	4	12 24
LCA 'C'	1	3	0	2	10 15
EC/Senior	1	4	0	2	2 14

Team	W	L	T	Pts	GAGF
C2 League					
MITNA	4	0	0	8	24 3
Aero/Astro	2	1	1	5	15 9
Theta Xi 'C'	2	1	1	5	9 12
Kappa Sigma	2	2	0	4	12 16
BTB	1	3	0	2	12 14
Conner	0	2	2	2	9 16
Theta Chi 'C'	1	3	0	2	6 17
C3 League					
MacG 'E'	4	0	1	9	27 8
Bio-Nut	4	0	1	9	16 10
Turkeys	2	2	0	4	16 9
Crusaders	2	3	0	4	8 8
DU	2	2	0	4	9 10
EC '2W'	1	4	0	2	5 15
EC '5W'	1	3	0	2	3 13
ME 'C'	1	3	0	2	8 19
C4 League					
MacG 'C'	5	1	0	10	14 6
Pecknold	4	1	0	8	20 3
DKE/PSK	3	0	0	6	24 1
Sigma Chi 'A'	2	2	0	4	5 12
EC '3E'	1	2	0	2	5 5
Russ/Conr 2	1	4	0	2	7 27
CSC/Baker	0	3	0	0	2 10
PDT	0	3	0	0	0 13
C5 League					
TDC 'C2'	2	1	0	4	17 2
Nuc. Eng.	2	1	0	4	15 7
PKT/AEPI	2	1	0	4	9 2
DTD	1	1	0	2	5 2
Fiji 'C'	1	0	0	2	3 2
TDC 'C1'	1	1	0	2	5 6
PKS	1	3	0	2	6 17
ATO 'B'	0	2	0	0	1 23

IM basketball results:

Team	W	L	Team	W	L
A1 League					
Lambda Chi Alpha	10	0	Hillel	5	1
Chemical Engineering	4	5	Burton H. Tooley	5	1
Ashdown	2	7	Sigma Phi Epsilon 'B'	5	1
MacGregor 'Z'	2	7	Phi Beta Epsilon	3	3
A2 League					
Delta Upsilon (Ind.)	8	1	EC 4W/Chemistry	3	3
Phi Gamma Delta	5	2	569	1	4
Conner 3A	1	6	Theta Xi	1	4
A3 League					
Delta Tau Delta	6	3	East Campus 2W	0	6
Black Student Union 'A'	5	3	C2 League		
Sigma Alpha Epsilon 'A'	4	4	MacGregor G22	6	0
Plumbers	2	6	Sigma Chi	5	1
A4 League					
The Macks	8	0	Black Student Union 'C'	4	2
Baker 'A'	6	2	Senior House	3	3
Little Green Men	2	5	Zeta Beta Tau 'C1'	3	3
Burton 5 Smokers	2	5	Conner	2	4
B1 League					
Sigma Phi Epsilon	7	0	Fenway House	1	5
Burton 1+	5	2	Tau Epsilon Phi	0	6
Baker 'B2'	4	3	C3 League		
Pi Lambda Phi 'A'	4	3	MacGregor J	6	1
Nuclear Engineering	4	4	Delta Kappa Epsilon	5	2
Theta Delta Chi	3	4	Conner 3 Rockets	5	2
Delta Upsilon 'B'	2	4	Lambda Chi Alpha	4	3
Lacrosse	2	5	East Campus 5W	4	3
Operations Res. Cent.	1	7	Club 21	2	5
B2 League					
Constr. Facil. Division	6	0	Alpha Epsilon Pi	2	5
Jack Florey I	6	2	MacGregor C	0	7
Alpha Epsilon Pi	5	2	C4 League		
Phi Gamma Delta 'B'	4	2	Bexley	5	0
East Campus 2E	3	3	Phi Mu Delta	4	1
Beta Theta Pi	3	4	Sigma Alpha Epsilon	4	1
Baker 'B3'	2	4	Baker 'C2'	3	2
Sigma Alpha Epsilon	1	6	C5 League		
Phi Sigma Kappa	0	7	Burton 5 Smokers 'X'	2	3
B3 League					
Phi Beta Epsilon	6	1	MacGregor 'A'	1	4
Theta Chi	5	1	Theta Delta Chi 'C2'	1	4
Sloan	5	1	Russian House	0	5
Baker 'B1'	4	3	C6 League		
Delta Psi	4	3	Zeta Beta Tau 'C2'	6	0
Kappa Sigma	2	3	Sloan	5	1
Phi Sigma Kappa	2	4	Theta Xi 'A'	5	1
Phi Delta Theta	1	5	MacGregor H Turkeys	3	3
Chi Phi	0	8	Kappa Sigma	2	4
B4 League					
Student House/EC	6	1	MacGregor D	2	4
Math	5	2	Theta Delta Chi 'C1'	1	5
Maxwell's Demons	5	3	Conner 3 Puds	0	6
Economics	4	3	C7 League		
Tang 'B'	3	4	Burton 5 Smokers 'Y'	4	1
Hydros	3	4	Alpha Tau Omega	4	1
BLOS	3	4	Pi Lambda Phi	4	1
MacGregor I	2	5	Delta Tau Delta	3	2
East Campus Yarboroughs	1	6	Phi Gamma Delta	3	2

IM hockey results:

MacGregor 'E'	7	East Campus '2W'	1
East Campus/Chemistry	5	Mech. E./MacGregor	0
Theta Chi 'C'	3	Kappa Sigma (forfeit)	0
Nuclear Engineering	12	Alpha Tau Omega 'B'	1
Fiji 'C'	3	Phi Kappa Sigma	2
ZBT/PKA	3	EC/Senior House	0
MacGregor 'H' Turkeys	9	Mech. E. 'C'	1
Fiji/Baker	6	Theta Chi 'A'	1
Sigma Phi Epsilon	5	Chi Phi	4
Alpha Tau Omega 'A'	3	NRSA	1
Biology-Nutrition	4	MacGregor 'E'	4
Aero-Astro	3	Conner	3
MITNA	6	Theta Xi 'C'	0
East Campus '5W'	1	Baker Crusaders	0
Nuclear Engineering	2	PKT/AEPI	0
Delta Tau Delta	4	Theta Delta Chi 'C1'	0
Bexley	3	BTP/AEPI (torfeit)	0
Lambda Chi Alpha 'A'	5	Meteorology/Math	1
Sigma Alpha Epsilon 'B'	4	Theta Chi 'B'	0
BTB/Burton	3	Theta Xi 'B'	3
MacGregor 'C'	3	Phi Delta Theta	0
ZBT/PKA	8	SAE 'C'	0
PKT/AEPI	1	Theta Delta Chi 'C2'	0
Sigma Phi Epsilon	7	East Campus/Chemistry	3
Lambda Chi Alpha 'A'	2	Fiji/Baker	0
BTB/Burton	3	Alpha Tau Omega 'A'	0
Theta Delta Chi 'C1'	5	Phi Kappa Sigma	2
Delta Upsilon	2	East Campus '2W'	1