By Jonathan L. Wehr
MIT will not be losing $800,000 in federal money for student financial aid purposes from the current to the upcoming year, as had been previously anticipated, due to a bill signed Saturday by President Nixon.

The bill signed by Nixon was one sent to him by Congress after the Hill had rejected his proposal to cut federal student aid money into a new program, a move that would have cost MIT $800,000 for the 1973-74 school year. According to the MIT student aid office, MIT will be receiving virtually the same amount of money as it did this year, about $1.1 million, from the federal government.

The bill signed by the President does not differ in the total amount of money budgeted for student financial aid purposes from the Hill's prior version. However, the guidelines for distribution of the money are significantly different. The enacted legislation has "preserved the three existing aid programs," stated Leonard Gallagher, Associate Director of Student Financial Aid, "We've been making modifications that would happen if (the bill) had not been signed."

The newly enacted bill will provide $121.3 million in educational opportunity grants which are awarded solely on the basis of "need." Adding that his students at MIT, are eligible for this aid, he said, "regardless of the size of the national program, MIT stands to gain the most from this." The recently-signed legislation also stipulates that $5 million in federal money for the work-study program, and $269.4 million for investment federal loans to students. These are the two programs that provide the bulk of MIT's federally-funded financial aid to students, and would have been significantly reduced had President Nixon's original proposal been passed. "This is an important victory for the educational opportunity grants account for only $310,000 of MIT's federally-financed student aid, with the remaining 1.38 million budgeted by the other two programs.

An additional $121.1 million has been allocated to the Basic Educational Opportunities Program, a newly created plan which would have required the bulk of the federal money, along with the scholarship program under Nixon's originally proposed plan. This program, which, based on need, differs from the scholarship system in that it is administered by the federal government, not the individual student. The amount allocated for this program would be available for students of all post-high school educational institutions, not just 4-year schools. Thus, the program will be open to students beyond the scholarship program to MIT students, according to Gallagher. However, since the program will be administered by the federal government, it will be up to the states to decide what percentage of the Federal funds each institution will receive.

The bill, which was approved by Congress last month and signed by the President Saturday, also contains a provision to maintain legislation has preserved the three existing aid programs. The bill contains provisions to maintain the integrity of the scholarship program and provides for the disbursement of funds allocated for the project. Current studies call for the expansion of operations of the present reactor when equipment and material are on hand, about the beginning of February 1974. With the entire reactor staff participating in the effort, it is expected that the new reactor core (MITR II) will be activated about a month after this.

Planning for the modifications of the reactor core has been in progress for more than two years and has become the subject of a number of degree dissertations. By the end of 1970 and the envisaged design of the new core, according to Cox, the scientific analysis, had been completed. The change from the original design or the modernization of electronic systems and the investigation of seismic effects continued (through 1971) but were satisfactorily settled.

Dr. Cox agreed, stating that humanistic solutions for the threshold of an era in which each person could experiment with the uncertainties of the universe without fear. Cox added that it would be "surprising if such an equilibrium of risks were established that such a class could be typed into one of four categories. Such labeling, Cox said, could only hinder individuals from explor- ing the number of potentials that exist within each man. "I believe that each of us has within him all the four personality types mentioned," Cox commented. "If I were to have my way, I'd call myself a Brahmin, others I'd call Soul-drivers, and yet others would label me the energy types mentioned.""

Brody likewise challenged the value of the terms. "The fact that Smith stated that even in his four types, there are dimensions of nature which we can't describe in ordinary, unparadigmatic language. Nature is more than the man who understands it," he said.

In their most advanced research, physicists are endeavoring to characterize the individual. "I think I'm more than the "more" in the universe," Smith said. "I think I'm more than the man living unit, to help pass on the kind of sage advice that one learns only by experience."

The major part of the renovations will deal with the core. As the MITR's primary purpose is to produce tritium, the design is aimed at increasing tritium fluxes of the reactor. The vessel in which the tritium reacts with the aluminum core tank. To make the central fuel, available, the new core will be more compact than the present four-foot diameter core. Additional alterations include the use of light water instead of the present heavy water (deuterium instead of hydrogen) as a coolant.

By James Moody
The Freshman Advisory Council is still looking for more assistants and additional associates. Their annual recruitment program is in its second week, with only 131 freshmen advisors (about one-half the number needed) already assigned. The goal of the recruitment program is to place 250 students, each with 3 friends, in the FAC's "hierarchy of preferred members" as defined by the FAC's Executive Officer. The FAC is, "to be able to assign to the FAC members more than his/her preferred number of advisors, so that everyone may be placed somewhere from one to eight friends. There are 225 FAC members on these two levels, including Buttner, this goal is for next year."

In the past, about 70% of the advisors have elected to have associate advisors working with them. These students are who wield a willingness to advise and counsel freshmen by assisting the regular advisors. Most advisors pick their own associates but, before the FAC discovered this, they appealed for nominations through ads, and only letters to all undergraduates. This brought a phenomenal response, with over 300 students expressing interest in becoming members of the FAC. Unfortunately, most of these potential associates were disappointed, since very few were approved yet. The FAC is now considering the possibility that not everyone can be helped in any significant way.

However, Buttner pointed out, if you want to ensure your involvement in the program, by the far the best thing for potential associates to do is to go out and recruit advisors on their own.

By Storm Kauffman
The MIT Research Reactor containment building, including the cooling towers at far left and the truck airlock at the center. (Photo by Storm Kauffman)

The MIT Research Reactor containment building is located on the west side of Campus. The MIT Reactor, as the building and the reactor are known, is a nuclear research reactor located in the basement of the building. The reactor is a nuclear research reactor, and is used for research and development.

The reactor is a nuclear research reactor, and is used for research and development.

The reactor is a nuclear research reactor, and is used for research and development.

The reactor is a nuclear research reactor, and is used for research and development.

The reactor is a nuclear research reactor, and is used for research and development.

The reactor is a nuclear research reactor, and is used for research and development.
By Wendy Felton

During the past few months there have been a series of recent incidents occurring in and around MIT's labs, including a fire, two injuries caused by students working with dangerous chemicals — safety at MIT has become a major issue.

One night last December, Richard Hausman '74 and Helen E. Granache of Simmons College, attempted to cross Massachusetts Avenue against the light. According to Captain Oliver of the Campus Patrol, they were struck by an automobile which threw them into the air and then into the path of opposing traffic. Granache was thrown under a car and died as a consequence, while Hausman survived.

This accident prompted an investigation by the MIT Planning Office in conjunction with the Cambridge Traffic Division of the advisability of reversing the time sequence of the traffic lights on Mass. Ave. in a possible aid to pedestrians. The long wait for the light to change, says Oliver, makes some important pedestrians cross against it. According to John Fresina of the MIT Safety Office, there are two different sequences within a cycle of the traffic lights, each with a different length of time between changes.

The result of the study was a revision of the timing sequence in favor of the pedestrian. The Planning Office expects that the present cycle, by allowing more time for crossing Mass. Ave., will reduce the possibility of accidents.

For a few days following the accident a Cambridge policeman was hired to direct traffic near the entrance to Building 7. The presence of this extra man was to "re-educate" the people using the crosswalk as to the type of sequence the traffic lights were following.

Robert Simha of the MIT Planning Office asked the Cambridge Traffic Division to make physical changes, some of which were permitted in April. The Planning Office hopes to try out some new graphic devices, such as a meter attached to a light pole, which would inform pedestrians of the number of seconds remaining until the next change of the light.

Another incident which was the source of much concern was the lab explosion in which Flora Chow '73, was injured. Fresina believes that she had formed some unstable peroxides, and, not getting a good enough vacuum, had twisted some joints on her flask. The peroxides were then detonated.

The Institute has always recommended that anyone performing lab work at off hours or in secluded areas with dangerous chemicals or equipment should not work alone. However, MIT has left it for the particular department involved to work out the details of enforcing this rule. Fortunately for Chow, there was another student sitting nearby who heard the explosion. He ran into the lab where she was working, put out the fire and called the Campus Patrol. "The guy was fantastic," says Fresina.

The chemistry department is presently reviewing their procedures for ascertaining that the rule about not working alone is followed.

There was another recent laboratory accident in room 6-335. According to Fresina, the experiment being done there generated a flammable vapor or gas, which escaped from the flask and onto an electric motor, causing the vapor or gas to ignite. The experimenter suffered facial second degree burns. The recent recollection of a student in a physics lab prompted an investigation by the US Department of Labor, in compliance with the Federal Occupational Safety and Health Act (OSHA). 1060 violations were reported, for the most part, potentially hazardous situations, including gas cylinders not chained down, improperly guarded pulleys on vacuum pumps, stepladders with broken steps, bicycles chained to stairways, improper temporary wiring, exposed high voltage equipment, and cluttered hallways. MIT was fined a total of $5175 for these violations. According to Fresina, all but 150 to 180 of these have been corrected.

Make appointments for all hearings at W20-403, x3-2696.

THE NOMINATIONS COMMITTEE

Get Metal Frames at
TechCoop Opticals

With us your $200 gets you a lot more than just airfares to Europe.

WITH US
o You make one call and we put you on the airline of your choice. RLM, TWA, Pan Am, to the city of your choice and bring you home. Plus...
o Free visa planning
o Passport, visa, inoculation facts
o All travel needs within Europe — train passes and car rentals, intra-European flights, hotels
o Ships to Europe from $150

WITHOUT US
o You call several airlines and all you get is a ticket.

NATIONAL STUDENT TRAVEL SERVICES
4 BRATTLE ST. (on Harvard Sq.) CAMBRIDGE, MASS. 02138 (617) 651-1812
Open Monday—Friday: 10:30—5:30 Saturday: 11:30—2:30

THE TECH
Safetv precautions studied

Safety precautions studied

Charles Bank is
the man who banks on the right bank, which is on the left bank as you're facing Boston.

THE RIGHT BANK IS ALWAYS THE CHARLESBANK TRUST COMPANY... WHERE YOU RECEIVE A FREE CHECKING ACCOUNT...

SPLITTING A SAVINGS ACCOUNT WITH A 250 BALANCE

MORE AND MORE PEOPLE ARE OPENING ACCOUNTS AT THE CHARLESBANK DAILY AND YOU'RE REASON FOR VERY GOOD REASONS, THEY'RE TAKING ADVANTAGE OF THE FREE CHECKING... WHILE THEIR SAVINGS ACCOUNT GROWS WITH INTEREST. OUR CUSTOMERS KNOW THAT THE CHARLESBANK TRUST COMPANY IS ALWAYS THE RIGHT BANK... NO MATTER WHERE YOU'RE FACING BOSTON.
## SCHEDULE OF EVENTS

### THURSDAY, MAY 3
- **5:00** Ernie Kovacs Film Festival – Rm. 10-250
- **8:00** Ernie Kovacs Film Festival – Sala de Puerto Rico

### FRIDAY, MAY 4
- **12:30** Folk Dancing Club – Kresge Oval
- **3:00** Balloon Release (200 helium balloons) – Kresge Oval
- **4:00** Ernie Kovacs Film Festival – Sala de Puerto Rico
- **8:00** Ernie Kovacs Film Festival – Sala de Puerto Rico

### SCHEDULE OF EVENTS

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>5:00</td>
<td>Ernie Kovacs Film Festival – Rm. 10-250</td>
</tr>
<tr>
<td>8:00</td>
<td>Ernie Kovacs Film Festival – Sala de Puerto Rico</td>
</tr>
<tr>
<td>12:30</td>
<td>Folk Dancing Club – Kresge Oval</td>
</tr>
<tr>
<td>3:00</td>
<td>Balloon Release (200 helium balloons) – Kresge Oval</td>
</tr>
<tr>
<td>5:00</td>
<td>Ernie Kovacs Film Festival – Sala de Puerto Rico</td>
</tr>
</tbody>
</table>

---

### SATURDAY, MAY 5
- **Afternoon** – FIJI ISLAND PARTY

- **5:00** Ernie Kovacs Film Festival – Sala de Puerto Rico
- **8:00** Ernie Kovacs Film Festival – Sala de Puerto Rico
- **12:30** Folk Dancing Club – Kresge Oval
- **3:00** Balloon Release (200 helium balloons) – Kresge Oval
- **5:00** Ernie Kovacs Film Festival – Sala de Puerto Rico
- **8:00** Ernie Kovacs Film Festival – Sala de Puerto Rico

---

**Note:** Times and locations are approximate and subject to change. Please check the official schedule for the latest information.
Kaleidoscope is shooting for the spectacular this year. While the activities usually center around the Kresge-Student Center Plaza, a lot will be happening above the plaza this Friday. Mean Joe Green, who flies WBZ's helicopter, will be here - in his 'copter - to let us know who wins the kite flying contest! He might even tell the rest of Boston about it if it's happening, over the air! Later on in the afternoon, there will be a demonstration parachute jump in which two skydivers will leave their plane to land in the middle of Briggs Field. Also, the Model Rocket Society will launch one of their rockets from the Kresge Oval.

Meanwhile, on the ground, the afternoon will begin with a softball game between students and Institute officials - including "Slugger" Wiener, Dick "The Stick" Sorenson, "Strikeout" Simesides, and more.

Pot Luck Coffeehouse will be open - outdoors for the afternoon. The Auto Club will be showing off some of their cars on the Kresge parking loop. If motorized transportation isn't for you, you can learn to silkscreen the Institute Screw on cast your votes for the Big Screw to the TCA booth, they will bring a T-shirt or sweatshirt to the Kresge Oval.

In the Kresge Lobby, you could challenge the ping-pong team to a game of singles or doubles - whichever you like - or learn how to play tiddlywinks from our world famous Tiddlywinks team. On the Mas. Ave. side of the Student Center, you can cool off and slip n' slide as much as you like at the "Slip n' Slide" returns to Kaleidoscope. Come in your shorts, get wet, take a running start and slide across the twenty-five foot sheet of plastic!

MIT Ecology Action and Zero Population Growth will have displays where you could pick up some interesting information.

Do you like pies? Enter the Pie Eating Contest! Twenty people are seated in front of twenty pies - with their hands tied behind their backs. How fast can you finish? (Ever see how MESSY cherry and blueberry pies can be?) There will be music and dancing, too. The Festival Jazz Band, the Logarithms, Dance Workshop, Musical Theater Guild, Tech Squares, Folkdancer Club, and Professor Lamson's Jazz Trio will all be there.

The Roost Beef Picnic will start at 5 pm and serve until 7 pm. This meal is free to all commoners (get your tickets where you eat) and $2.75 for all others. Tickets can be bought anywhere commons is served.

And of course, at 8 pm in Rockwell Cage, grease back your hair, put on your straight-leg jeans, and drink all the beer you can while you dance to SHA- NA-NA! Tickets are available at the TCA Office on the fourth floor of the Student Center for $3.00 with any college I.D. and $2.50 with an MIT I.D. and $3.00 with any college I.D. Saturday afternoon, go to Fitchburg, Mass. to the Fiji Island Party. Go to the booth in the lobby of Building 10 to find out all about it and sign up.

The Coop has long been famed as one of America's largest book stores, but, really, that's only part of the story. The Coop has been serving academic community in Cambridge for 91 years, serving the changing needs of each college generation.

The M.I.T. Student Center Coop is a big, modern store, right in your own front yard, with complete departments featuring national and Coop brand merchandise.

In addition to thousands of book titles, there's a great record department featuring the best available in recorded music, all competitively priced, of course.

There are art prints and posters galore, to add that certain touch to your rooms.

You'll find calculators, typewriters, office and school supplies (including typewriter rental and service department).

You'll find a great array of men's sportcoats, raincoats and furnishings plus "right now" sportswear for misses and juniors.

There's home furnishings, linens, radios and television, luggage, cameras and film, and lots more.

If you need it, it's probably at the Coop, right in your own front yard at the M.I.T. Student Center.
Beer, Punch  Admission - Free

Music by  Sundance  Busses  $2/couple

"Driving jungle beat, gyrating human forms, wild screams of passion and delight..."  -PLAYBOY

"Permissive promiscuity, punch, quickie snout, popular plannantes,飞行员."  -Fordday

"The aphrodisiac qualities of ground coconut shells have up to now remained largely unknown..."  -HUMAN SEXUAL RESPONSE

COME IN YOUR NATIVE COSTUME

8—12 PM

Finnish-American Club—Saima Park—Fitchburg, Mass.

Party and Bus tickets available in the lobby of Bldg. 10.

For more information, call 247-8048 or 536-5233

So get yourself a date and

SCOPE

KALEIDOSCOPE

ROAST BEEF
PICNIC

COMMONS PEOPLE—
TICKETS FREE WHERE YOU EAT

OFF—COMMONS PEOPLE—
TICKETS $2.75 WHEREVER
COMMONS IS SOLD
FIJI ISLAND PARTY

By Joe Fabitz

On Saturday, May 5, Fiji Island Party (FiP) returns to MIT. Every other year, the Fiji Gamma Delta Fraternity sponsors the traditional event for the benefit of the Institute Community. In the opinion of some of the fraternity members, if you don't enjoy the evening, it's probably your fault.

FiP's (Fiji is the self-proclaimed nickname of the fraternity) are held at over 100 colleges and universities throughout the nation. The parties usually have between 100 and 120 guests attending, but no matter where they are held, the costuming and atmosphere is remarkably similar.

At MIT, FiP has been held every other year for the last 20 years. Before that, Fiji Island was the only Institute sponsored fraternity party, and was usually funded, at least in part, by MIT. Most Tech graduates will remember at least one of the events. For example, in 1939, Fiji Island was envisioned as a "cowboy party" and records show that the party had its origins in the late 1930's. At one time, "Fiji Island" was the only Institute sponsored fraternity party, and was usually funded, at least in part, by MIT. Most Tech graduates will remember at least one of the events.

If you're attending this year's event, you might want to know how to dress. FiP is a costume party, and officially a costume is allowed - one square yard of cloth from which two costumes are to be made. Grass skirts, bathing suits, and various improvisations are acceptable, however. Accessory items are also acceptable. Accessory items are also acceptable.

Above all, don't forget your coconut, especially if you're going to drink. Hollowed out, they make perfect leak-proof containers for the punch or beer. Finally, you are hereby warned that the punch contains about 15% alcohol and that a coconut holds more than you think. Some Fiji islanders tend to hold less than they think, so emergency buckets will be provided.

The party will be held at Salinas Park in Fitchburg, Massachusetts. Buses will be provided at a cost of $2.00 per couple. If you're planning to drink, it is probably wisest to take a bus. To get into the party, you'll need a free ticket or an ID. Everything else is provided for you.

All tickets, directions, and information are available in the MIT Community. In the lobby of building 10, at the Fiji House at 28 the Fenway, Boston. Or by calling 247-8048. Everyone in the MIT community is invited.

Salamander - the backup group for Friday's concert.
Suicide suspected in death

By Norman D. Sandler

Raoul Lamp, a sophomore majoring in mathematics, was found on the sidewalk outside East Campus last Thursday, presumably after a fall from the building's roof, and died later at Massachusetts General Hospital from multiple fractures and internal injuries.

Lamp's death was an apparent suicide. His body was discovered by another resident of Hayden hall at East Campus, Mark Sullivan '73, Sullivan notified the Campus Patrol at 1:14 a.m., and they were on the scene within four minutes, according to a witness. Lamp was then transported to Mass General where he was placed on the danger list, and five hours later he succumbed to the injuries sustained in the fall.

According to people who knew Lamp, the reasons behind the incident were "purely personal," and one resident on his floor said that he had been in rather high spirits last week.

An investigation of the incident has produced evidence that the death was caused by a fall from the East Campus roof. The Cambridge Police began an investigation shortly after Lamp was found, and concluded that there was no foul play involved in the fatality.
Light crew wins Geiger Cup

Last Saturday morning, amid the floating human effluent of the Charles River, the MIT lightweight rowers faced the Harvard crew—themselves as a major contender to win the Eastern Sprints. It had been a grueling week for the lightweight rowers leading up to Saturday’s race in the Bronx. After several close losses to Harvard the week before, the coaches were pressing over how to make their boats go faster, especially varsity coach Jack Frailey. The varsity seat-rowed on Tuesday, Wednesday, and Thursday, and several men were changed.

Sophomore Bennie Brooks emerged from the JV to take the seat in the varsity and Gary Dippel ’75 also moved up to the six seat. Jim Skorretzer ’75 was switched from six to three at stroke, and veteran Pete Billings ’73 moved to the three seat. The remaining men in the varsity, with change-ups at three, rows behind on Thursday at 4:00 at bow, Mike Filsouf ’74 at two, Mike Scott ’73 at three, Ralph Nauman ’75 at seven, and John Kennedy ’75 coxing.

On Thursday the new varsity raced a few 500 meter sprints against the freshmen and the new boat went up to the starting line at 75 bow, Bob Puckett ’74 two, John Sheets ’74 three, Bob Lambe ’74 four, Henry Hock ’75 five, Bob纪念碑 ’74 six, Dan Greene ’74 seven, Captain Andy Madsenbrock ’74 stroke, and Mitch Casperson third. The results were ambiguous: the boat felt stronger but the balance was shaky. No one knew what to expect on Columbia on Saturday. The JV has had no concrete expectations either, although they were more confident since they are very likely the fastest JV boat in the EARC. The experienced freshmen (Bob Anglemore, bow; John Smith, two; Reed Hodgins, three; Leon Starak, four; Shin Yoshida, five; Tom Smith, six; Dave Ruston, seven; Mike Paoluski, stroke; and Dave Lee, cox) went on the water fast to face Cornell.

In a few minutes work came to the dock from freshman coach Lauren Sompyard that the race had been closed all the way, that MIT had sprinted to a length lead in the last 560 meters. The news eased some of the tension among the Tech crew.

A mixup in the scheduling put the varsity race before the junior varsity race, and as the new boat went up to the starting line, the 3rd V “Super-four” of Dick Michel ’75, bör: labor Samuel ’76 two; Mike Perlmutter ’74, three; and Joel Goodrich ’75, stroke, rowed easily by the finish line, three lengths up on Cornell and five lengths on Columbia. Goodrich flashed the varsity and Columbia crevies, and such overconfidence really got the varsity up.

The first freshmen went by in the next race. The crew of Mark Halpern, bow; Kim Rulon, two; John Wendell, three; Mike Nef, four; Bob Behrens, five; co-captain Randy Saunders, six; Mark Suchon, seven; Dom Warren, stroke; and Bob Lepkowsky, cox, were in a tight race for the first 560 meters, but they gradually began to outpull Cornell and Columbia, and in the last 400 meters their sprint put them over a length ahead.

The varsity went next, getting off to a slow start. With 500 meters gone, they were up a few seats on Columbia and down a few to Cornell. Cornell was in the MIT lane, however, and blocking MIT’s moves for the last 1000 meters. The race went down to a finish in that order, with Cornell making two seconds ahead, and Columbia six seconds behind. But then the race judge came up in the launch and announced that Cornell had been disqualified for being out of their lane. The varsity had won.

All that remained for a clean sweep of the day was a JV win over Cornell. That race was effectively decided in the first forty strokes, as MIT’s JV pulled out an easy lead and blew Cornell off the water by 27 seconds.

As the bus started its long trip back to Boston, one of the weary varsity noticed that “winning sure is better than losing.”

This week’s: Penn and Navy at Annapolis.

Sports