

Johnson, Assembly hit Viet war

President issues letters on alienation, Oct. 15

(Ed. note: Late last night, President Howard W. Johnson issued two letters to the MIT community. The text of one, which dealt with student unrest and its relationship to national policy, is below. The other, outlining his stance on the October 15 Vietnam Moratorium, follows.)

To Members of the MIT Community:

As president of an educational institution, I do not speak for it or represent it in matters related to political issues. I do, however, work with students, and I am concerned by what I see happening to the quality of education. I have decided that the following statement, which is personal and does not claim to represent the views of my colleagues on the Faculty and the Corporation, should be made at this critical time. I hope it will encourage other individuals in our community to consider their own positions on these matters during the period ahead.

Much of the present unrest on the campuses stems from a recognition by most of us, students, faculty, and staff, that there is a serious gap between the goals that we profess as a nation and our ability to meet

these goals in our actions. As educators we often appear to be on the defensive because of the difficulties in reconciling this gap. Learning suffers and the student-teacher relationship becomes strained and suspect.

The Vietnam War has resulted not only in a tragic loss of life but in a major diversion of our national resources and attention from pressing social problems. The effects of the war are the source of the deepest dissatisfaction to many of our colleagues, young and old. The prospect of being drafted to fight in the war is only a small part of the problem. As a matter of conscience, it is difficult for many students to concentrate on their academic goals when conditions exist which make them question the intrinsic worth and well-being of the society. Effective learning must always proceed from individual motivation. Students who have been questioning and opposing the war since they were freshmen have now graduated; the seeming impotence of their efforts to bring about effective change has produced a

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GA calls for class cancellation

ASSEMBLY REJECTS DISCIPLINE POLICY

By Alex Makowski

Meeting in special session Tuesday night, the General Assembly approved, by a 34-18 vote, a call for an Institute moratorium on October 15.

Earlier, a general motion condemning United States involvement in Viet Nam was passed on a 55-13 count. The meeting ended with a third major vote, this one an expression of no confidence for President Howard Johnson's disciplinary formula for students involved in campus disruption.

Contrary to reports published in *Thursday*, both the Vietnam and Moratorium resolutions were offered by Executive Committee member Steve Ehrmann '71 rather than *The Tech* Editor Steve Carhart '70.

Early discussion of the Vietnam resolution centered on an amendment calling for the withdrawal of all foreign troops from Vietnam, rather than only those of the US.

The Assembly voted down this amendment, prompted by arguments that such a wording



Execomm members Steve Ehrmann and Rich Prather consider a wording change in the moratorium resolution. Motions to water down the language were defeated. Photo by Gary DeBardi

would weaken the resolution's impact. Besides, it was pointed out that an MIT student vote would have little effect on Hanoi policy. Following this decision came the vote censuring American involvement in Vietnam.

Passage of the second half of the measure, support for a moratorium, followed another 45 minutes of rather heated discussion. A chief concern of many present was the fate of the Institute employees. Some delegates urged a clause specifying that these workers include no loss of pay. Execomm member Owen Franken pointed out that the employees would be paid whether or not there were regular classes, and the matter was dropped.

The delegates resisted attempts to link approval of the moratorium to support for the November 15 peace march on Washington. Ehrmann insisted that he worded the document to allow each individual to decide what action after October 15 would be appropriate.

After the conclusion of the voting, resulting in the 34-18 approval, Jason Zielonka, NRSA president, asked consideration of a motion supporting Johnson's September 24 letter to the faculty. The letter discussed various aspects of campus dissent, and warned that "our procedure, in the face of coercion or threat to the freedom on this campus, will be to call for immediate review and action by the appropriate judicial group."

Although Johnson agreed that "dissent... should be active on this campus," some delegates

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CAM, MAC may find home

By Carson Agnew

A joint non-profit corporation formed by Harvard and MIT has made public some truly innovative plans for sharing facilities between the two institutions—and one of them may give Project CAM a non-controversial home.

The University Information Technology Corporation (UNITEL for short) was formed two summers ago by Harvard and MIT. It is a non-profit corporation, with President Nathan M. Pusey of Harvard as President and President Howard Johnson as Vice-President. The trustees of UNITEL include four Harvard Deans, and Provost Jerome Wiesner, Dean Robert Alberty, Prof. Gordon S. Brown, and Institute Vice-President John Wynne.

Employ new technology

"The employment of the new information technology in education and research" is the broad, general goal of the corporation. For the past year, three Planning Committees have been discussing various projects which UNITEL could carry out which would benefit both Harvard and MIT.

Under the executive direction of Prof. Carl Overhage, the Planning Committees in Computers, chaired by Prof. J. C. R. Licklider, stated in a memorandum for the UNITEL trustees, "In order to get UNITEL off to a fast start, several already funded research projects of substantial size might be transferred to UNITEL. Project MAC and the Cambridge Project are the most plausible examples."

The computer group has also called for a joint time-sharing

system, or "at least the interconnection, under UNITEL auspices, of two or more existing time-sharing computers." The final report is expected to call for the formation of an *ad hoc* committee to draft specific plans for this action, as well as more general plans for the eventual merger of all the computing equipment, services and administration into one center under UNITEL management. When asked to estimate the time such changes might take, Licklider could only speak about the time-sharing part of the proposal, saying "we'd all be very unhappy if two years went by and we didn't have really good access to the Harvard time-sharing system." But, he added, he was sure such a link-up couldn't come before next spring.

In conjunction with the Planning Committee on Libraries, the Computer group called for the development of a "non-book library"—one which would include bibliographies, programs and data, all accessible by some sort of time-shared computer network.

A Center for Instruction

The Planning Committee on Educational Technology presented a plan for "a series of sequential steps leading to a fully functioning innovative Center for Instruction." What this means is that projects, seminars and other activities will be started which will tie together MIT and Harvard through their teaching activities. The program would draw on the resources of both institutions, as well as outside funding, costing an estimated \$750,000 in the first year.

Another recommendation by the committee was to extend under UNITEL auspices, the system of video cable links already set up at Harvard to MIT and possibly Brandeis. At first, such a link could allow seminars or lectures at one institution to be received by another. UNITEL plans to use assistance from the educational station WGBH if this plan is approved.

If all parts of the Educational Technology program are not im-

Legislators play it cool on college anti-riot bills

By Steve Carhart

The tough "Anti-riot" legislation which many educators feared would come from a Congress enraged by student protest has not yet materialized.

Michael S. Baram, Executive Officer of the Graduate School, explained in an interview Wednesday that the Congressional anger which reached a peak late last spring and resulted in subpoenas for school records of many institutions, including MIT, has subsided over the quiet summer. Baram has been charged by the administration with maintaining a watch on possible repressive legislation in Washington.

At present, only one major education law contains a rider directed at student dissidents. This is the National Defense Education Act, which contains a variety of programs designed to provide financial aid to students. All other riders expired on June 30, the end of the last fiscal year. The NDEA rider remains in effect because it was attached to

the enabling legislation rather than the appropriation bill which expires each year.

The provisions on the NDEA bill, as well as the other riders attached last year, have in general been "permissive," i.e., they leave the decision on withdrawing funds from unruly students with the institutions rather than with the government agencies. Baram said that he knew of no institutions which have actually used this power given them by the bills.

Last year, a number of "hard line" Congressmen sought to require institutions to withdraw government funds from students involved in certain types of activities. However, the Nixon administration and liberal Congressmen took the position that such measures (and other tough provisions being contemplated) would be counterproductive and would alienate many moderates on campus. This position was buttressed by a report submitted by twenty-

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NASA RECOGNIZES TRIO FOR GUIDANCE RESEARCH

The National Aeronautics and Space Administration has awarded Public Service Awards to three people from MIT for their part in the development of guidance systems for Apollo moonships.

The three are Dr. Stark C. Draper, founder and director of the Instrumentation Laboratory; Ralph R. Ragan, deputy director of the Laboratory in charge of NASA-sponsored research programs; and David G. Hoag, associate director of the Laboratory and director of the Apollo guidance development work.

Ragan and Hoag were at NASA's Manned Spacecraft Center in Houston yesterday for a special awards ceremony. NASA administrator Thomas O. Paine presented the awards to several key people from industry and the space agency, honoring them for their role in Apollo. Draper was unable to attend and will receive his award at a later date.

The guidance systems used in both the Apollo command module and the lunar module were conceived, designed, developed, and programmed at the Instrumentation Laboratory over a period of more than nine years. The systems guided Apollo 11 astronauts first into orbit around the moon, then to the moon surface and back again safely during last July's successful lunar shot.

The Instrumentation Laboratory was recently renamed Draper Laboratories in honor of the soon-to-retire founder.

Letters to The Tech

Stop the Paint

To the editor:

This is a call for the first meeting of the Stop the Paint Club. This club is dedicated to the prevention of desecrating the walls of MIT with painted signs. Example, the Physics Building entrance as of September 23, 1969. This building will have a marred limestone surface forever!

Membership: Any and all of the MIT Community—students, staff, employees, assistants, instructors, professors, etc.

Agenda: (1) Discuss recent "paint job" on the Physics Building and elsewhere. How can the culprits be apprehended? (2) Organization of an informal vigilante watch committee, to get word quickly to Campus Patrol (MIT ext. 2997 or Emergency, ext. 100) in case of another invasion.

(3) Other questions which may be discussed. Should posters be allowed to blank out the glass doors of Building 7, etc.? What about the use of walls and pillars for posters? Some think it messy, others not. Let us have an expression from the MIT Community. A verbal boxing match is suggested between those prefer grey walls and those who feel the need for brighter colors. An open forum for positive suggestions about needed improvements to our school. These will be passed on to the Administration with our recommendations for action.

The first meeting will be held on Friday, October 3, at 5 pm in room 10-105 (Bush Room).

It is my hope that if we can solve some of the minor problems of today's complicated civilization, then the larger issues will take care of themselves.

Harold E. Edgerton

Attention Planning Office

To the editor:

At MIT there are many ways to attempt to solve problems: one can approach the "right" person, form a commission, or take direct action. I present my own complaints herein in

ANTI-PROTEST LAWS: PROSPECTS UNCLEAR

(continued from page 1)

two Republican Congressmen who made unpublicized tours to many campuses (including MIT) last spring.

At present, many of the bills to which repressive riders might be attached are before the Senate after having been passed by the House. A few new "anti-riot" provisions have been proposed over the summer, but none have yet been enacted.

The prospect for such measures this fall is somewhat confused. Baram expressed the feeling that it will depend to a large extent upon the mood of the campuses. At the same time, even some of the more conservative members of Congress may have come around to agree with the report of the twenty-two Republicans that tough new legislation would "play directly into the hands of those hard-core revolutionaries. Legislation which treats innocent and guilty alike inadvertently confirms extremist charges that the 'establishment' is repressive and indifferent to citizen needs and concerns."

Episcopal Chaplain
Rev. John Crocker
is new on campus; wants to meet any Episcopalians who want to meet him.
11 am Sunday Worship at MIT Chapel
Office: 312 Memorial Drive, Ext. 2983.
Home: 62 Foster St., Cambridge (Other side of Harvard Square) 491-8741.
Call or drop in any time. Write or call if you want to be on my mailing list.

the hope that the person (or committee or action group) will take notice and take steps to alleviate my grievances.

First, the path from the corner of Sloan Laboratories to the Comp. Center should be paved (see drawing).



Its perennial brown color is sufficient evidence of this fact.

Second, it's funny and pathetic to see people try to piss while holding a load of books, a coat, an umbrella, etc. Hooks for coats and racks for books must be in all the bathrooms in the Institute.

Third, etc., I leave for every member of the MIT community to send in a letter or memo to this column. I ask *The Tech* to keep an informed tally of complaints filed and administration actions taken on these incessant personal inconveniences.

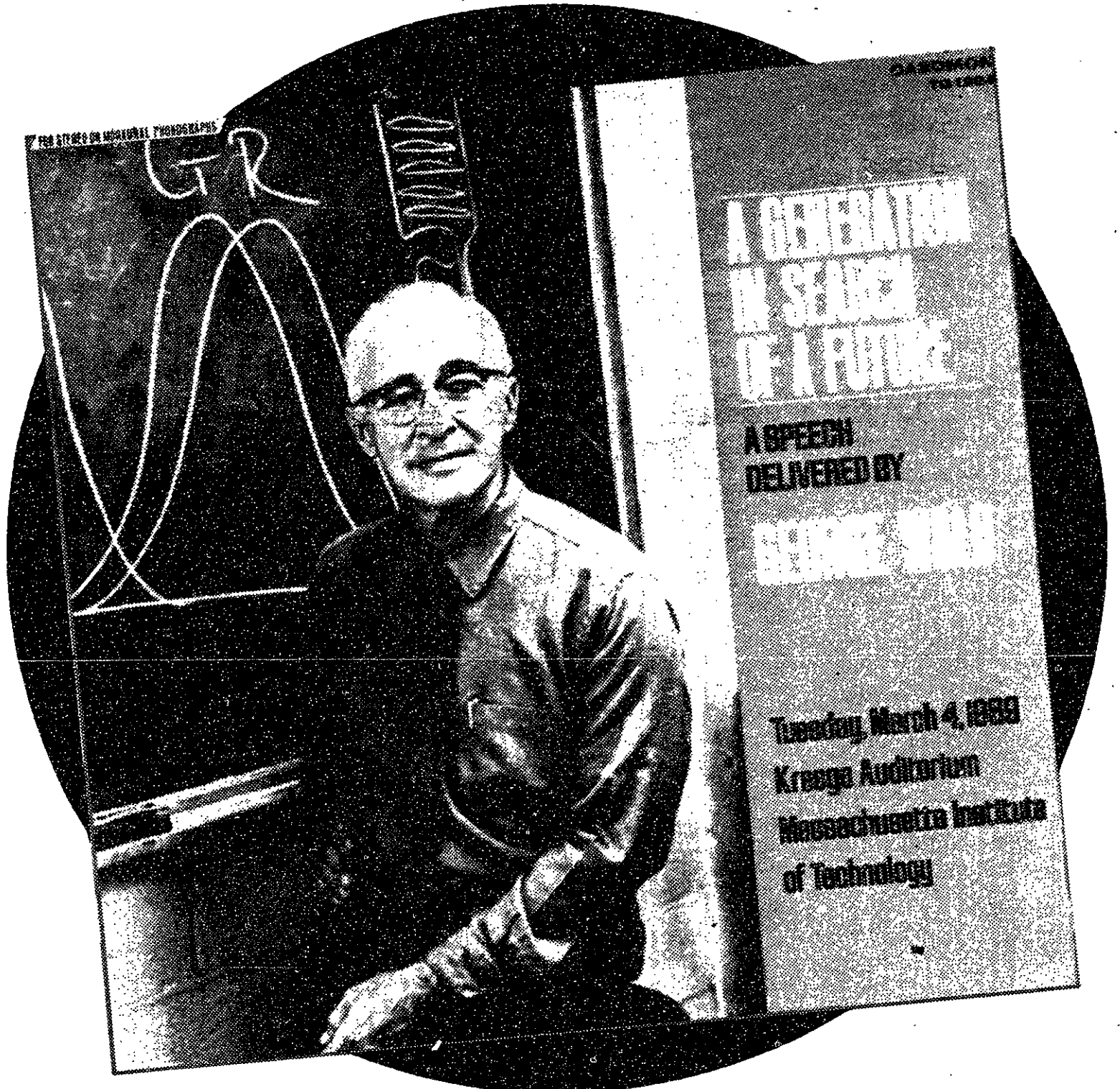
Ward Gunhem

The LIBERATED LOOK!

Hampshire House

"VAN HEUSEN"

You've liberated your libido and you're making the scene! Now you can wear the shirt with the unconventional air, Van Heusen Hampshire House! The shirt with the bold, brush stripes and switched-on solid shades. The one with the new wider spread Bradley collar. And with permanently pressed Vanopress to let you skip the ironing drag. Kick over the traces, man! C'mon over to Hampshire House!



"This may be the most important speech given in our time."

This was the way Globe Editor Charles L. Whipple expressed it when the now-famous George Wald speech ran in full on the editorial page of *The Boston Globe* and caused a flood of requests for reprints.

It happened March 4, 1969, in the Kresge Auditorium at M.I.T. before an audience of students and faculty concerned about the militarization of American science.

What did George Wald, Harvard biologist, popular teacher, and Nobel prize winner, say that drew a standing ovation? You can hear his speech, as it was taped by WGBH when Wald actually made it, now on a Caedmon recording.

Here for the first time a world-renowned scientist sounds the rallying cry for which so many Americans have

been waiting. Talking about "A Generation in Search of a Future", George Wald, a leading member of the scientific community sought by a government in quest of more and more destruction devices, declares that science must stop participating in work which will ultimately destroy civilization. He explains the justice of the younger generation's uneasiness, an uneasiness shared by all responsible people. Is there a future for man on earth?

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The Graduate Nominating Committee is considering nominations for graduate student representatives on the following Institute committees:

1. Comm. on Congress & Campus Disorders.
2. Faculty Comm. on Grad. Student Policy.
3. Faculty Comm. on Discipline.
4. Standing Comm. on Special Laboratories.

Interviews of all interested candidates will take place in the Muddy Charles Pub, 1st floor, Walker Memorial, at 7:00 pm, Monday, Oct. 6, 1969.

SACC plans Corporation protest

by Joseph Kashi

SACC will picket the annual Corporation meeting today demanding that MIT end all MIRV research immediately and make public all I-lab commitments and the contract's expiration dates. The Corporation which Pre-

sident Johnson will address on the state of MIT, is expected to discuss suitability of secret war-related research at MIT. In addition to picketing the meeting and the luncheon which is to precede it, SACC will attempt to

gain permission to enter the meeting. Ethan Singer, associate professor of Biology, indicated that SACC will not press for the severance of the I-labs from the Institute as this would be self-defeating. Presumably, the labs would then be able to work on defense research with restrictions on the scope of their work than is now possible under MIT's control.

Issues Postponed

The leaflet which SACC will distribute at heavily frequented locations today will present other demands to the Corporation: the retaining of all I-lab workers displaced by the conversion of MIRV work, and the guaranteeing of their jobs by MIT. Deciding to focus exclusively on MIRV during the confrontation with the Corporation, SACC voted at their Monday night meeting to postpone action on the total conversion of the Instrumentation labs, the demand for a timetable for conversion, and the opening of the Corporation's meeting to the general MIT community.

More Militant

Stating that they had "gone through all the democratic processes and nothing was done", SACC hopes to demonstrate that conversion of the I-labs is a political rather than an economic issue. This will precede an attempt to build massive support for their stand against MIRV and will also "be used as a tactical political lever against MIT." Today's action against the Corporation is seen as an intermediate action to test SACC's strength by its leaders. Indications are there that SACC intends to become more militant this year in its fight against secret defense-oriented research at MIT. MIRV is viewed as a symbolic issue in this context.

Conversion Conference

SACC plans to sponsor a conference on the conversion of war-related labs and industries on December 4th, 5th, and 6th. Primary issues to be discussed include Industrial conversion, inner-city transportation problems, the substitution of "socially valuable" research for present DOD work at MIT, and the procurement of funds to support the labs at their present level if DOD funds are cut.

SACC to support October 15

SACC urged support of the October 15 moratorium on a personal level, but will not devote substantial efforts or resources to the current attempt to cancel all MIT classes on that day. However, it will send speakers to the Boston Common rally to address the crowd on current SACC issues.



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OCTOBER 29, 1969

Now's the time to sign up at your placement office for an interview with the Bethlehem Steel Loop Course recruiter. This could be the start of something big!

And just what IS the Bethlehem Steel Loop Course? Glad you asked! It's our *management development program* for graduates with bachelors' or advanced degrees.

Bethlehem loopers (150 to 200 every year) spend four swinging weeks at our home offices in Bethlehem, Pa. Then, primed with information about the entire corporation and rarin' to go, they report to the appropriate plants or departments for their first assignments. Then, onward and upward!

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METALLURGICAL ENGINEERING—Metallurgical departments of steel plants and manufacturing operations. Engineering and service divisions. Technical and supervisory positions in steelmaking departments and rolling mills. Also: Research or Sales.

CHEMICAL ENGINEERS—Technical and supervisory positions in coke works, including production of by-product chemicals. Fuel and combustion departments, including responsibility for operation and maintenance of air and water pollution control equipment. Engineering and metallurgical departments. Steelmaking operations. Also: Research or Sales.

INDUSTRIAL ENGINEERING—Positions in steel plants, fabricating works, shipyards, and mines. Engineering and maintenance departments. Supervision of steel-making, rolling, manufacturing, and fabricating operations. Also: Sales.

CIVIL ENGINEERING—Fabricated Steel Construction assignments in engineering, field erection, or works management. Steel plant, mine, or shipyard assignments in engineering, construction, and maintenance. Supervision of production operations. Sales Department assignments as line salesman or sales engineer (technical service to architects and engineers).

ELECTRICAL ENGINEERING—Steel plant, fabricating works, mining operations, and shipyard electrical engineering, construction, and maintenance departments. Technical and supervisory positions in large production operations involving sophisticated electrical and electronic equipment. Also: Research or Sales.

MINING ENGINEERING—Our Mining Department operates coal and iron ore mining operations and limestone quarries, many of which are among the most modern and efficient in the industry. This 10,000-man activity offers unlimited opportunities to mining engineers. Also: Research.

NAVAL ARCHITECTS AND MARINE ENGINEERS—Graduates are urged to inquire about opportunities in our Shipbuilding Department, including the Central Technical Division, our design and engineering organization. Also: Traffic.

OTHER TECHNICAL DEGREES—Every year we recruit loopers with technical degrees other than those listed above. Seniors enrolled in such curricula are encouraged to sign up for an interview.

ACCOUNTANTS—Graduates in accounting or business administration (24 hours of accounting are preferred) are recruited for training for supervisory assignments in our 3,000-man Accounting Department.

OTHER NON-TECHNICAL DEGREES—Graduates with degrees in liberal arts, business, and the humanities are invited to discuss opportunities in the Sales Department. Some non-technical graduates may be chosen to fill openings in steel plant operations and other departments.

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LOST Gold Bracelet in the vicinity of MIT Chapel, Sept 27. REWARD-Please call 542-3520 ext.289(not MIT) before 5:00.

To end a war...

There seems to be a number of problems both at home and Vietnam related to our inevitable departure from that troubled land which are receiving virtually no attention, either in the government or in the academic community. These problems must be solved if we are to extricate ourselves without terrible side effects here or there.

Problem Number One: What will the state of affairs be after our withdrawal? Proceeding from the assumption that the Thieu-Ky regime is not viable without a massive US presence, what scenarios might be realistic for a post-US Vietnam? The only two which seem reasonable are a coalition, supported by the US both diplomatically and economically, and an NLF government. Have we explored the possibility that a coalition government which received massive US aid for redevelopment (reparations, actually) might be moderately stable and not unfriendly to the US? Perhaps if we could work out a viable solution for post-withdrawal Vietnam, we might not get so hung up on withdrawal procedures.

It is probably naive to expect the NLF to co-operate with the US in the redevelopment of Vietnam after all that we have done there. But is there any harm in our trying to do so? We feel that inquiry into the realities of post-withdrawal Vietnam might remove the "unthinkable" quality which total withdrawal seems to have for many people.

Problem Number Two: What sort of psychological shocks will our society suffer as the result

of withdrawal, and what can be done to deal with them? Social scientists have found that an event such as a national defeat (or anything which large numbers of people will view as a defeat to a cause to which they have made a moral commitment) can profoundly affect voting and general behavior patterns for years. This has been particularly documented with respect to the Civil War.

What will the American public say after five years of "turning corners" and "light at the end of the tunnel" when they are told that there will be a coalition or NLF government in Saigon? Certainly, efforts must begin now to prepare the general public for this eventuality. If such measures are not taken, we can envision a continuing (perhaps partisan) fight over how many troops to place in Vietnam, or perhaps a Wallace campaign based on a back-to-Vietnam platform. Individual and group resentment of the realities of the world is less easy to categorize and measure, but it too must be considered.

These are only a few of the problems which must be considered as we withdraw from Vietnam. Now it seems to us that we have think tanks to figure out how to get into wars, and think tanks to figure out how to fight wars—how about a think tank to figure out how to end the war? These would be the sort of questions which either an *ad hoc* group, or perhaps an established agency such as CIS could undertake if it sought to do a real service to this country.

...and move a project

The UNITEL Corporation's expressed aim of encouraging cooperation between MIT and Harvard in areas of new information technology and education is a good one. But we were most interested to read the proposal in the report to the UNITEL trustees that Project MAC or Project CAM be transferred to UNITEL.

Since, as far as we can tell, Project MAC isn't planning on going anywhere in the near future, it looks a lot like Project CAM may still be searching for a (non-controversial) home in the Cambridge Complex. And frankly, UNITEL might be a good place for it.

UNITEL fits remarkably well the descriptions given last year of what the Instrumentation Lab would have been like if MIT had decided to divest itself of the special laboratories— an independent corporation having a close association with MIT, but able to carry on work whose nature might be inappropriate at the Institute. And Project CAM pretty well fits the

description of a project which might be inappropriate for direct Institute sponsorship. There's little doubt, too, that Harvard might be happier participating in CAM if it didn't have to sponsor it directly.

The only problem right now is that UNITEL probably isn't very independent. So far, it has used only the resources of the two universities. Its President is the President of Harvard, its VP is President of MIT, and its trustees consist solely of high officials in the two administrations.

It seems to us that there must be some people not associated with either institution who would welcome the chance to direct research and development in UNITEL's field. We would like to see a few of these people become involved in UNITEL activities, not only because the Cambridge Project might be transferred to it, but because such people might bring more new ideas with them when they come.

The student's voice

There has long been understandable confusion on the part of the administration and faculty on the question: what is student opinion? Naturally, no one suggests that the student body is monolithic, but in some cases there does exist a strong consensus.

Tuesday night the General Assembly demonstrated that it is capable of acting on behalf of

the student body on major issues. After a week in which Assembly members consulted their constituencies, the Assembly met and voted strong support for the October 15 Moratorium. This motion was passed by a duly constituted body which represents as closely as possible the opinions of all undergraduates. There need be no more confusion about student sentiment on this matter.

Ominous Autumn

By Bruce Schwartz
 "... There will be no more fun and games." — S. Shalom. Say goodbye to hippie, Yippie, we mean business now.

"How many of you have guns? Well, get guns." — Mark Rudd SDS has been evicted from BU. Someone dissented with Mr. Rudd's analysis and found himself hospitalized.

"The process of thoughtful and orderly reform." — George McGovern.

"... Liberal bullshit." — Mike Albert.

Getting a lil' bit grim, no? Waiting for the revolution...

What do you do when you're left of Gene McCarthy but not quite so far over as Mark Rudd?

You watch Richard Nixon and the Black Panthers and PL-WSA and SDS (types A through O) and sweat.

Of course, you can, as many do, retreat into the world of Academe. Sleep in the Stud Center Library. Take 84 units and study hard. Ignore leaflets. Don't buy the papers, don't read the magazines.

Or you can try to walk the fence; take them courses, crack them books; ah, but just in case, take in a peace march now and then just to weigh in on the side of the angels.

You can join a summer project! Go the liberal route and work from within to change the system. So what if it cheerfully absorbs you and keeps you busy churning out reports and going to meetings? You're doing your bit, ain't ya?

You look at America and hell yeah lots of things strike out loud but you got to ask the question do we tear it all down and start over?

Revolution means blood. It is not fun and games. Revolution has a bad record. Robespierre. Stalin. Pandora's box, once opened, cannot be resealed.

Revolution is scary. Watch and wait. October 4, October 15, November 3? 7? 8? (consult your local SDS for time and channel) boring? November 15....

"Everyone who didn't make it to Woodstock or the Pentagon or Chicago will be there, plus almost everyone who did." Start thinking in terms of half a million camped on Nixon's lawn. The troops are ready, waiting. Mace, billyclubs, hoses—maybe dogs, why not? bayonets. The half million are not there to groove on drugs and music; they're there to show they're pissed off and somebody, maybe many somebodies will be there to be sure they get madder, will start maybe violent demonstration or rush the White House lawn, will shit on Washington Monument or attack fuzzline. Fuzz counterattack, kiregslust carries them off, protortors beaten! Some fight back, troops move in....

Nothing radicalizes like a billy club or Mace face.

Question 4, does this happen? Once it was said that this revolution would be for love, for peace, for individual freedom, all of which you can't get—very easily, anyway— in Nixonia, right?

Yet should that scenario be true, you, liberal or maybe moderate radical, will have no choice. The fanatics and the fascists will make it for you. As an individual your voice means nothing—you know it—so you join with your half-million fellows to create meaning, but when the cops are goaded into that rush it won't matter anymore.

Fanatics get the air time; they're "dramatic." The Corporation men and the Rich control the way it is; you're just an individual. Not big enough to matter much. If you don't care

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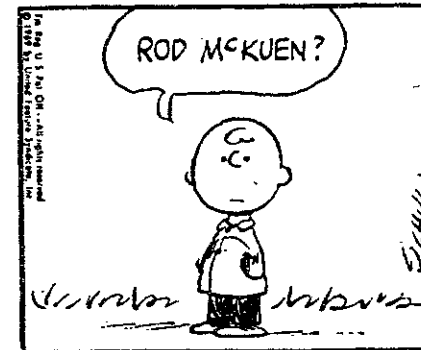
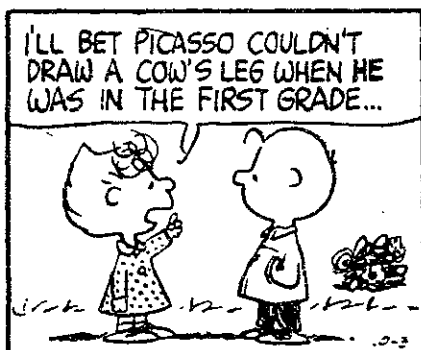
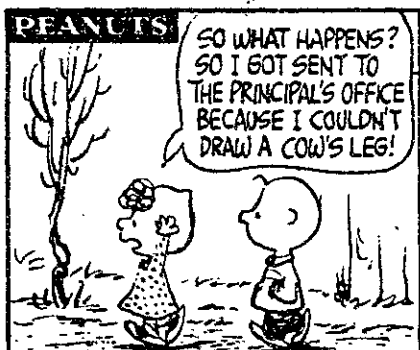
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Footnotes*

69 Dedication for the 6.01 notes to be distributed by the EE department for this term:
 "Why I am so wise
 Why I am so clever
 Why I write such good books"
 —Friedrick Nietzsche
 "Why are we not Nietzsche?"
 —T.S. Huang, R.R. Parker

71. In part of the continuing rash of mobile vehicles robberies that have recently plagued West Campus, some dastardly fellows stole two baby carriages chained outside of Westgate towers.

72. The MIT Corporation will discuss the issue of war-related research at the Annual Corporation meeting today.



ESG encourages "self - directed study"

by Alex Makowski
 "We think all freshman subjects should be taught on a seminar basis," began Professor George Valley in a recent discussion of his Experimental Studies Group.

Designed to accommodate about thirty freshmen volunteers, the new program will permit freshmen to proceed at their own rate in subject areas of their own choosing. Small-size classes will be directed by the two dozen professors and upperclassmen working in ESG. Although presently conceived as a project meant only for freshmen, the possibilities for extension into the sophomore year have not been ignored. In January the students and staff will decide whether to proceed for continuation of ESG as a sophomore program.

Educational Alternative
 This project was originally created as an alternative to the regular MIT educational process. Having spent several years as Undergraduate Planning Professor, Valley was well aware of the limitations of the lecture-recitation format. His in-depth study of the freshman core sub-

jects convinced him that a large amount of effort was "ineffective." His solution was a program of self-directed study.

But there are risks. Conceived as a program of "independent study", ESG freshmen

could set back their MIT education. Poorly motivated or mis-directed effort could result in the waste of a term. The advisors, both faculty and upperclassmen, will have the crucial role of aiding the students in planning their education.

Credit

There will be no formal limits on the direction a freshman's investigation may take. Should he wish to spend the whole term studying math, he may. Students will be granted 45 credit hours for their work in ESG, but Valley can make no guarantee that their work will satisfy formal Institute requirements for specific subjects. A study pursuing only math and humanities will need to catch up on physics and chemistry during his sophomore year.

As the program got underway, about fifty first year students visited the ESG center during Rush Week. Valley had cautioned his staff to avoid creating false impressions of the program. That every freshman know exactly what he is getting into is essential to the project's success. "A soft sell approach," summed up Valley, "was most definitely called for."

Already the thirty participating freshmen are settling into the ESG "routine." The most important project has been setting up seminars in subjects the students wish to pursue during the first few weeks. A sampling of the material envisioned includes such prosaic subjects as differential equations and computer science as well as tensors and Russian Literature.

"Uncle George"

An equally crucial aspect of

the program in interpersonal relationships. Valley stressed the necessity for everyone to be on a first name basis with everyone else. In fact, the students have given Valley the choice of being called "George" or "Uncle George." (He picked "George.")

Besides aiding the educational process, his familiarity is a boon to the advisor system. After a few weeks, students will pick one of the professors as their official faculty advisor. They will select from the ESG staff because, explained Valley, "You can't separate teaching from advising if advising is to work."

ESG History

The program was developed in response to a request by President Johnson in 1967. Valley drew up a proposal for a CEP-sponsored task force to plan the venture. The spring of

1968 saw the gathering of ten professors and a slightly larger number of students to lay the groundwork for the experimental college. They presented a fifty-page report to Johnson this January 1.

Having won the President's approval, the group turned to the faculty for funds. The Task force on educational innovation, chaired by professors Edgar Schein and Paul Gray, gave ESG a go-ahead late last spring. A grant from former Institute Professor Edward Land supports the experiment.

Physical Plant

The final organizational details were concluded this summer. Valley was given the sixth floor of building 26, and the area was redesigned to provide physical emphasis of the ESG educational ideas. Two or three small seminar rooms, a project room, and two large discussion areas share the floor with a yet-to-be carpeted living area.

Worthy of emphasis is the observation that here are no sleeping facilities. Though the rooms will be open to ESG freshmen all night, they are expected to live, and interact with the other 96 percent of their class. Normal participation in extra-curricular activities and athletics should eliminate any feeling of isolation from MIT.

Besides these physical preparations, Valley directed the plans for informing and interesting the incoming freshmen. Those responding to a preliminary questionnaire were sent a pamphlet describing the philosophy, advantages, and dangers of the new program.



the project room computer console. Regular lab facilities are also provided.

Photo by Gary DeBardi



Professor George Valley, ESG head recalls student attempts to name him "Uncle George."

Photo by Gary DeBardi

Revolution vs. reaction - an inescapable choice

(continued from page 4)

you can be content. If you do, you worry, you wait. Events that are bigger than you are shaping your destiny. It's beyond your control, now.

Choose: You for us or agin us? An establishment I don't love and a revolution I fear, yet half want to see. At least it would be some change! Geo.

McGovern said we should keep a sense of history: Revolution means blood. I don't want one. And yet, if George and his fellow liberals don't hurry up and win, events may force all of us tortured middlemen into a choice we don't want to make: with us or against us.

Of course, this could all be idle speculation. Maybe it can't happen here. But one remembers the beginning of the decade, and the hope and the optimism. One remembers the Hippies and the summer of love. But JFK is dead, and RFK, and Medgar Evers and Martin Luther King and 40,000 American soldiers and God knows how many Vietnamese and Hippies and non-violence and a certain spirit of brotherly love, even for your oppressor and enemy.

It's all dead My friends who have tried the liberal bit are frustrated, tired-I'm down; some have given up hope and moved over into a comfortable fanaticism. . . .

The talk is of guns and the bullets are flying already.

Scared? I'm scared. The Revolution or the Right-wing backlash? Can liberalism be revived, made viable, believable, unhipocritical, real and effective?

Or will I be seeing my travel agent one of these days?

Almost you wish for a time when no one would begrudge you fun and games, before Voo-Doo died. But this is like no year I can remember, a grim autumn, and a long march into November and then, what?

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UNDERWRITERS AND INVESTMENT BANKERS

theater... 'The Iceman Cometh' —and stayeth too long

By Bruce Laird

If our boy Mike Albert has got you going with his calls for mass consciousness, you owe it to yourself to suffer through a mass sitting with Eugene O'Neill's *The Iceman Cometh*, which will be running at the Charles playhouse through October 30.

Iceman speaks from the world of the down-and-out loser, the back-room gin mill of skid row circa 1912: Harry Hope's bar—the last resting place for an odd assortment of professional has-beens and perpetual drunks. Here no one has to worry where they're going next, because there is no farther they can go. Still, each one keeps up the appearances of life by indulging in his own favorite pipe dream of a yesterday that never was, or a tomorrow that never comes. But what happens to these people, when all their dreams of tomorrow are abruptly trampled by forced self-realization? Where lies the greatest wisdom—is it

always best to open the eyes of the unfortunate?

This is the world and the life that O'Neill knew and tried to capture in many of his plays, with frequent success. Few people, however, have enough love for theater or the human drama to stick it out for the four hours plus of this one; and most of the audience had that battered look about them when the repetitious fourth act was finally disposed of.

If the play is trying for the viewer, the blame goes to the playwright and not the actors. O'Neill can be as long and dry as you please, but director Michael Murray has worked his cast with sensitivity and ingenuity through *Iceman*. Only the long, O'Neillish fourth act mars what otherwise might have been a memorable evening. Suffice it to say that if superb acting can compensate for the playwright's excesses, the Charles has continued with its tradition of theater excellence.

film... Poe 'Spirits' a mixed bag

By Robert Fourer

Spirits of the Dead, though it's billed as a full-length feature film, is actually a collection of three short features by, respectively, Roger Vadim, Louis Malle, and Federico Fellini. All are based to one degree or another on tales of Edgar Allen Poe, and to some extent they have a common theme—mysterious death. But they could just as well be shown independently or in different combinations, and so in the end the success of the collection is little more than the success of its parts. In this case it's mixed, to say the least.

Metzgerstein, Vadim's section, is a psychological mystery about a capricious heiress, played by his wife Jane Fonda. It's mostly a story of images—there is little dialogue, and most of the characterization is effected through a narrator. Most of the time, this works to the film's advantage—the spoken parts are not well done and often sound wooden, while the beautiful color photography is seldom awkward and produces all of what eeriness there is to the story. However, toward the end Vadim relies on the camera too heavily, and the result is less moving than it might be.

Throughout, Jane Fonda tends to remind one more of Jane Fonda than a rich heiress, especially when she's clothed in Barbarella-type costumes. Luckily, she pretty much fits the part anyhow.

Wilson, the second section by Louis Malle, is the weakest link. The tale concerns a man pursued all his life by a double, whom he finally kills in frustration; it's told in flashbacks, as he confesses to a priest. Unfortunately, seeing the flashbacks is not nearly as frightening as hearing the story told. There are several interesting scenes, admittedly, but the only impression one ends up with is that Poe probably did it better the first time.

Finally, there's the Fellini entry, *Toby Dammit*, a change of pace of no small magnitude. It's at most a free adaptation of Poe, concerning a famous actor brought to Italy by the Church to make a film about Christ, and the mystery is no longer what will happen, but what is happening. For Fellini, of course, it's nothing very strange; in fact, the scenes of press photographers, television interviewers, and other pious hangers-on willing to do anything for the star's movie are by now quite familiar from *La Dolce Vita* and *8½*, though now they're in color. After a squalid awards dinner, the hero goes off in the Ferrari he's been promised, and becomes increasingly lost till his

mysterious end.

This is the only section anyone would want to see more than once—there's a lot to it that seems worth investigating. Unfortunately it's positioned last, and after the other two parts one comes to it with something less than a fresh outlook. Perhaps it would help to see the last half hour of the show first, when it's not selling out.

One final note: *Spirits of the Dead* is played by a mixture of actors speaking English, French, Italian, and heaven (or hell) knows what else. Except for some subtitled spots in the Fellini, it's been uniformly post-synched into English, which, for once, was probably the best solution.

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"The Magician"
Tues. "L'Aventura"
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Grooves

By Jeff Gale



Nilsson

Several years ago, the Beatles were quoted as saying that their favorite American performer was Nilsson. Now, it appears that the former bank teller may finally attain the place he so richly deserves. His first album, *Aerial Ballet*, was a gem. Al Kooper seems to have been the first to discover Nilsson as a songwriter. The song *Without Her* appeared on the first *Blood, Sweat, and Tears* album. *One* was made into a hit single by Three Dog Night. Now, people are noticing his work on the score of *Midnight Cowboy* and his recording of Fred Neil's *Everybody's Talkin'* (from *Aerial Ballet* originally and then placed in the film) is well on its way to becoming a million-selling single. His new album *Harry* (RCA) is the most unique trip into a fantasy world since *Sergeant Pepper* and should make Harry Nilsson the star he deserves to be.

Nilsson's work is unique in the pop world. *Harry* is a view of both the joys and the sorrows of Nilsson's imaginatively created private world. There is help here and there from Bill Martin, Jerry Jeff Walker, Randy Newman, and Lennon-McCartney, but Nilsson is the star of the show. His voice is soothing at times and unusual at others. His production is tight and George Tip-ton's arrangements and the perfect match to the material.

Just as it is hard to pick outstanding cuts from the Beatles' masterpiece, it is an imposing task to pick highlights from this universally exceptional album. *Nobody Cares About The Railroads Anymore* is a wistful lament by parents about the times today. "We had a daughter and you ought to see her now/ She has a boyfriend who looks just like My Gal Sal." *Mournin' Glory Story* is a piece about a female derelict—a moving description. *I Guess The Lord Must Be In New York City* is filled with the same open-spaces feeling as *Everybody's Talkin'*. *Simon Smith and the Amazing Dancing Bear* is Randy Newman's fantasy about a boy and his pet bear and proves a delightful close to the album.

Nilsson's music is in a class by itself—similar to Jose Feliciano's work in the fact that it is neither rock nor normal easy listening pop. *Harry* is one of the best musical trips ever recorded. Try it and see.

Colosseum

John Mayall has given a lot to the world of pop music through his training of musicians—witness Clapton, Mick Taylor, Ansley Dunbar, Mick Fleetwood, etc. His finest gift may be Colosseum. Their new album, *Those Who Are About To Die Salute You* (Dunhill) is a masterpiece, straight and simple.

(Please turn to page 7)

Laura Nyro

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Announcements.

- * The Student Center Committee will celebrate the grand re-opening of the game room tonite at 8 pm. Refreshments will be served.
- * Interested in Study Abroad? For a Junior Year Abroad, the freshman year is the time to plan. If interested, see Dean Harold L. Hazan, Foreign Study Advisor, room 1-207, soon.
- * The Student-Faculty Committee of the Electrical Engineering Department will hold an open membership meeting in the Jackson Room, 10-280, on Monday, October 6, at 5 pm. All sophmores, juniors, seniors and graduate students are invited.
- * The Movie, "Volcano Surtsey", will be shown on Monday, October 6, at 4 pm in room 6-120. The showing is open to all students and will be narrated by Prof. David Wones.
- * The Nomination Committee will meet Monday, at 7 pm to interview those interested in the following committees: Congress and Campus Disorders; Graduate School Policy; Discipline; and the Committee on Special Laboratories (as recommended by the Pounds Panel). For further information, contact the Graduate Student Council Office, x2195.
- * Correction in the published hours for the Rotch Library: Mon-Thurs, 9-11; Fri, 9-10 Sat, 10-6; Sun, 1-11.
- * Junior Prom has been moved officially to the weekend of February 21-22. Details will be forthcoming.
- * Undergraduates are urged to pick up a copy of the Fall, 1969 edition of *Undergraduate Research Opportunities*. The Pamphlet is available at the Institute information office. Registration at the research labs will continue for the next two weeks.

Johnson's statement

(continued from page 1)

profound disillusionment

It is my judgement that our educational system cannot function for the maximum benefit of all involved until this war is over. The end of the war will not solve our problems at home, but it will allow us to concentrate wholeheartedly on the nation's urgent agenda. We need the idealism, the energy, and the intelligence of the young to achieve the unity of effort required. I have confidence in our ability to solve the larger problems, and the sooner we get on with the job, the better.

Howard W. Johnson

To Members of the MIT Community:

October 15 has been set as a day when activities across the country will focus on ending the war in Vietnam. Members of our instructing staff always have the individual responsibility to schedule and meet their classes. Students are always on their own responsibility to meet their

academic commitments. It is my hope that students and faculty will consider jointly if they wish to reschedule October 15 classes, so that they may devote their thoughts and activities to the issues of the day. Facilities of the Institute will be made available to individuals and groups who wish to hold meetings and informal discussions.

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UNITEL publishes plans

(continued from page 1)

plemented, some may be anyway. In particular, Prof. Overhage would like to see research and experiment in independent study—trying to see what combinations of teachers, students, space and facilities can really make such programs work.

Now to choose...

Now that the Planning Committees have reported, Prof. Overhage stated "we must choose which plans we'll raise money for." UNITEL hopes to get most of the money for its work as research grants, with a minimum of help from the two universities which spawned it.

In many cases, too, Overhage expects that the trustees will choose "Action Committees" which will study the proposals in greater detail. He characterized this as a necessary part of the administrative process, but did feel that these groups would be closer to the university administrations than the Planning Committees.

ASSEMBLY HITS

JOHNSON LETTER

(Continued from page 1)

warned that approval of the letter would be a "blank check" permitting any form of suppression for campus protests. In spite of the arguments by other representatives that Johnson was referring only to the faculty-student Judicial Committee and not to police or MIT Corporation action, approval of the motion was voted down.

Tuesday night the Assembly will hold its third meeting in as many weeks. Judging from the 60-plus attendance last Tuesday, the delegates are willing to attend frequent meetings if there is something important to be covered. The next meeting should fall in this category, with discussion of the new Lewis Commission heading the list of priorities. Also up for consideration should be the disruption of the Alumni Officers meeting last month.

So, at this point, UNITEL's activities have not borne fruit. Proposals are out, and some projects, including the Controversial Project Cam, may find a home outside MIT's direct control. Potentially, sharing resources through UNITEL could strength-

en both institutions in a period when costs are rising rapidly, And, in the future, the relative freedom of action in the projects it undertakes may let UNITEL carry on work which neither of its parents want to do.

Colosseum a triumph of superb musicianship

(continued from page 6)

The musicians who form this group have had some of the best training possible. Drummer John Hiseman, the group's founder, played as a jazz drummer with the New Jazz Orchestra and then with Graham Bond before joining Mayall. Bassist Tony Reeves also worked with the New Jazz Orchestra and Bond before joining Mayall, and in addition was an independent record producer, involved with, among other things, *Cast Your Fate to the Wind*. Saxophonist Dick Heckstall-Smith was already a jazz star in England before he joined Bond and later Mayall. Organist Dave Greenslade played organ with Chris Farlowe among others. Guitarist James Litherland is the newcomer to the upper echelons of the entertainment world as Hiseman found him in Manchester playing with an unknown group.

There are only six cuts on the album and only three have vocals. *The Kettle* is a good hard rock number but is pale in comparison to the rest of the album. *Plenty Hard Luck* is a really good blues number. Not Clapton blues, Beck blues, or anybody blues but just good blues. Litherland sings blues like they are supposed to be sung. There are no weak links in instrumentation as Heckstall-Smith and Greenslade solo. *Debut* opens with Heckstall-Smith and drifts through several drum solos and sax solos with solid backup as always provided by Greenslade and Reeves. *Those Who Are About To Die Salute You* is an

excellent instrumental cut with several tempo changes and good subdued work by all concerned yielding to the driving organ and sax.

The second side has only two cuts. *Valentyne Sweet* is a three part composition. The first theme—*January's Search*, written by Greenslade—features the composer moving from organ to piano with healthy support from Hiseman, Heckstall-Smith and Litherland. This flows into the second theme, *February's Valentyne*, which opens quietly and then yields to Heckstall-Smith's driving sax. The last theme is familiar, based in the same Bach chord progression as Procol Harum's *Whiter Shade of Pale*. Solos on organ and sax are once again outstanding. It is an awe-inspiring suite.

Finally, the last cut is the album's real star performance. *Walking in the Park* is a Graham Bond composition sung to perfection by Litherland and backed in a fantastic blues vein by the group with trumpeter Henry Lowther (also formerly with Mayall) added. If all blues were this good, nobody would listen to anything else.

It is doubtful that Colosseum will get the popularity it deserves. There has been no hype or pressure by Dunhill. Prove that it isn't needed—buy the album, play it for your friends, and put it at the top of your collection.



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theater... 'The Iceman Cometh' —and stayeth too long

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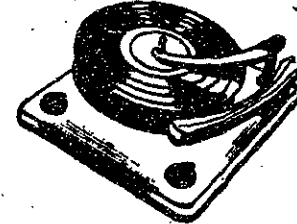
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Grooves

By Jeff Gale



Nilsson

Several years ago, the Beatles were quoted as saying that their favorite American performer was Nilsson. Now, it appears that the former bank teller may finally attain the place he so richly deserves. His first album, *Aerial Ballet*, was a gem. Al Kooper seems to have been the first to discover Nilsson as a songwriter. The song *Without Her* appeared on the first *Blood, Sweat, and Tears* album. *One* was made into a hit single by Three Dog Night. Now, people are noticing his work on the score of *Midnight Cowboy* and his recording of Fred Neil's *Everybody's Talkin'* (from *Aerial Ballet* originally and then placed in the film) is well on its way to becoming a million-selling single. His new album *Harry* (RCA) is the most unique trip into a fantasy world since *Sergeant Pepper* and should make Harry Nilsson the star he deserves to be.

Nilsson's work is unique in the pop world. *Harry* is a view of both the joys and the sorrows of private world. There is help here and there from Bill Martin, Jerry Jeff Walker, Randy Newman, and Lennon-McCartney, but Nilsson is the star of the show. His voice is soothing at times and unusual at others. His production is tight and George Tip-ton's arrangements and the perfect match to the material.

Just as it is hard to pick outstanding cuts from the Beatles' masterpiece, it is an imposing task to pick highlights from this universally exceptional album. *Nobody Cares About The Railroads Anymore* is a wistful lament by parents about the times today. "We had a daughter and you ought to see her now/ She has a boyfriend who looks just like My Gal Sal." *Mournin' Glory Story* is a piece about a female derelict—a moving description. *I Guess The Lord Must Be In New York City* is filled with the same open-spaces feeling as *Everybody's Talkin'*. *Simon Smith and the Amazing Dancing Bear* is Randy Newman's fantasy about a boy and his pet bear and proves a delightful close to the album.

Nilsson's music is in a class by itself—similar to Jose Feliciano's work in the fact that it is neither rock nor normal easy listening pop. *Harry* is one of the best musical trips ever recorded. Try it and see.

Colosseum

John Mayall has given a lot to the world of pop music through his training of musicians—witness Clapton, Mick Taylor, Ansley Dunbar, Mick Fleetwood, etc. His finest gift may be *Colosseum*. Their new album, *Those Who Are About To Die Salute You* (Dunhill) is a masterpiece, straight and simple.

(Please turn to page 7)

Laura Nyro

IN CONCERT

October 11, Kresge Auditorium
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Announcements.

* The Student Center Committee will celebrate the grand re-opening of the game room tonite at 8 pm. Refreshments will be served.

* Interested in Study Abroad? For a Junior Year Abroad, the freshman year is the time to plan. If interested, see Dean Harold L. Hazan, Foreign Study Advisor, room 1-207, soon.

* The Student-Faculty Committee of the Electrical Engineering Department will hold an open membership meeting in the Jackson Room, 10-280, on Monday, October 6, at 5 pm. All sophmores, juniors, seniors and graduate students are invited.

* The Movie, "Volcano Surtsey", will be shown on Monday, October 6, at 4 pm in room 6-120. The showing is open to all students and will be narrated by Prof. David Wones.

* The Nomination Committee will meet Monday, at 7 pm to interview those interested in the following committees: Congress and Campus Disorders; Graduate School Policy; Discipline; and the Committee on Special Laboratories (as recommended by the Pounds Panel). For further information, contact the Graduate Student Council Office, x2195.

* Correction in the published hours for the Rotch Library: Mon-Thurs, 9-11; Fri, 9-10 Sat, 10-6; Sun, 1-11.

* Junior Prom has been moved officially to the weekend of February 21-22. Details will be forthcoming.

* Undergraduates are urged to pick up a copy of the Fall, 1969 edition of *Undergraduate Research Opportunities*. The Pamphlet is available at the Institute information office. Registration at the research labs will continue for the next two weeks.

UNITEL publishes plans

(continued from page 1)
plemented, some may be any-way. In particular, Prof. Overhage would like to see research and experiment in independent study—trying to see what combinations of teachers, students, space and facilities can really make such programs work.

Now to choose...
Now that the Planning Committees have reported, Prof. Overhage stated "we must choose which plans we'll raise money for." UNITEL hopes to get most of the money for its work as research grants, with a minimum of help from the two universities which spawned it.

In many cases, too, Overhage expects that the trustees will choose "Action Committees" which will study the proposals in greater detail. He characterized this as a necessary part of the administrative process, but did feel that these groups would be closer to the university administrations than the Planning Committees.

ASSEMBLY HITS

JOHNSON LETTER

(Continued from page 1)
warned that approval of the letter would be a "blank check" permitting any form of suppression for campus protests. In spite of the arguments by other representatives that Johnson was referring only to the faculty-student Judicial Committee and not to police or MIT Corporation action, approval of the motion was voted down

Tuesday night the Assembly will hold its third meeting in as many weeks. Judging from the 60-plus attendance last Tuesday, the delegates are willing to attend frequent meetings if there is something important to be covered. The next meeting should fall in this category, with discussion of the new Lewis Commission heading the list of priorities. Also up for consideration should be the disruption of the Alumni Officers meeting last month.

So, at this point, UNITEL's activities have not borne fruit. Proposals are out, and some projects, including the Controversial Project Cam, may find a home outside MIT's direct control. Potentially, sharing resources through UNITEL could strength-

Colosseum a triumph of superb musicianship

(continued from page 6)

The musicians who form this group have had some of the best training possible. Drummer John Hiseman, the group's founder, played as a jazz drummer with the New Jazz Orchestra and then with Graham Bond before joining Mayall. Bassist Tony Reeves also worked with the New Jazz Orchestra and Bond before joining Mayall, and in addition was an independent record producer, involved with, among other things, *Cast Your Fate to the Wind*. Saxophonist Dick Heckstall-Smith was already a jazz star in England before he joined Bond and later Mayall. Organist Dave Greenslade played organ with Chris Farlowe among others. Guitarist James Litherland is, the newcomer to the upper echelons of the entertainment world as Hiseman found him in Manchester playing with an unknown group.

There are only six cuts on the album and only three have vocals. *The Kettle* is a good hard rock number but is pale in comparison to the rest of the album. *Plenty Hard Luck* is a really good blues number. Not Clapton blues, Beck blues, or anybody blues but just good blues. Litherland sings blues like they are supposed to be sung. There are no weak links in instrumentation as Heckstall-Smith and Greenslade solo. *Debut* opens with Greenslade playing background for Heckstall-Smith and drifts through several drum solos and sax solos with solid backup as always provided by Greenslade and Reeves. *Those Who Are About To Die Salute You* is an

en both institutions in a period when costs are rising rapidly. And, in the future, the relative freedom of action in the projects it undertakes may let UNITEL carry on work which neither of its parents want to do.

excellent instrumental cut with several tempo changes and good subdued work by all concerned yielding to the driving organ and sax.

The second side has only two cuts. *Valentyne Sweet* is a three part composition. The first theme—*January's Search*, written by Greenslade—features the composer moving from organ to piano with healthy support from Hiseman, Heckstall-Smith and Litherland. This flows into the second theme, *February's Valentyne*, which opens quietly and then yields to Heckstall-Smith's driving sax. The last theme is familiar, based in the same Bach chord progression as Procol Harum's *Whiter Shade of Pale*. Solos on organ and sax are once again outstanding. It is an awe-inspiring suite.

Finally, the last cut is the album's real star performance. *Walking in the Park* is a Graham Bond composition sung to perfection by Litherland and backed in a fantastic blues vein by the group with trumpeter Henry Lowther (also formerly with Mayall) added. If all blues were this good, nobody would listen to anything else.

It is doubtful that *Colosseum* will get the popularity it deserves. There has been no hype or pressure by Dunhill. Prove that it isn't needed—buy the album, play it for your friends, and put it at the top of your collection.

Johnson's statement

(continued from page 1)

profound disillusionment

It is my judgement that our educational system cannot function for the maximum benefit of all involved until this war is over. The end of the war will not solve our problems at home, but it will allow us to concentrate wholeheartedly on the nation's urgent agenda. We need the idealism, the energy, and the intelligence of the young to achieve the unity of effort required. I have confidence in our ability to solve the larger problems, and the sooner we get on with the job, the better.

Howard W. Johnson

To Members of the MIT Community:

October 15 has been set as a day when activities across the country will focus on ending the war in Vietnam. Members of our instructing staff always have the individual responsibility to schedule and meet their classes. Students are always on their own responsibility to meet their

academic commitments. It is my hope that students and faculty will consider jointly if they wish to reschedule October 15 classes, so that they may devote their thoughts and activities to the issues of the day. Facilities of the Institute will be made available to individuals and groups who wish to hold meetings and informal discussions.

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Howard W. Johnson

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Benchwarmer

By Jay Zager

For the next two weeks, MIT sports take a back seat to the division playoffs and the World Series. Even the most diligent tools at the Institute can be found gathered around TV sets, wondering if the Amazing Mets can go all the way, or if the Orioles (or Twins or Braves) will end THE impossible dream. And with the advent of the "championship playoff", with championship ticket prices, this year's post-season baseball should be unparalleled in fan interest and excitement.

American League fans will have the privilege of watching two of the most well-balanced teams in the game. Baltimore, while winning their division by a staggering 21 games, combines solid, consistent pitching led by Mike Cuellar, Dave McNally and Jim Palmer with an awesome hitting attack, featuring Paul Blair, Brooks and Frank Robinson, and Boog Powell. Such a lineup took over first place in mid June and was never headed as they threatened to break the all-time record for games won in a season.

Billy Martin's Twins, however, are no easy pushovers. Pitchers Jim Perry and Dave Boswell each won 20 games, and Ron Peranowski heads a formidable bullpen. Three-hundred hitters Rich Reese, Tony Oliva and league batting champion Rod Carew usually are on base for the league's top RBI man, Harmon Killebrew, an awesome powerhitter, and one of baseball's most consistent sluggers.

The real battle will be between Killebrew and Powell. Either hitter can carry his team to victory, and a hot series for either man will decide the outcome.

The National League race draws the center of attention as a well-balanced Atlanta Braves team is favored to dispose of the Mets. Atlanta has Hank Aaron and Rico Carty and Felipe Alou and Orlando Cepeda, but the Mets have two young pitchers named Seaver and Koonsman. The Tom and Jerry Show was a top attraction in New York this summer, and in their arms rest the fate of the Amazins'.

Atlanta finished strong to win its division, and goes into the championship series with a pitching staff led by 22 game winner Phil Niekro and ex-basketballer Ron Reed. But Hoyt Wilhelm, the 46 year old wunderkind who lead the bullpen in the stretch is intelligible for the playoffs, and his absence should hurt the Braves. Henry Aaron, who hit 44 home runs in his thirty-fifth year, leads the Braves offense.

Five years ago, in his most brilliant act in office, Commissioner Bill Eckert (remember him?) picked the Mets name out of a hat and gave USC star Tom Seaver a New York contract. A minor league season, and 800 big league innings later, Seaver has become the best young pitcher in the game today. His twenty-five wins and 2.21 earned run average give him a lock on this year's NL Cy Young Award, and a good shot at MVP.

A year after Eckert's big pick, a Shea Stadium usher recommended to the scouts a young man who was pitching on his son's semi-pro team. A quick visit to Appleton, Minnesota and the Mets had the second half of the dynamic duo Tom and Jerry Show. Jerry Koonsman won 19 games last year in his rookie season, and this year he won 18 more, 12 of which came after the All-Star break.

An erratic hitting lineup featuring the Mobile, Alabama boys, Tommie Agee and Cleon Jones, gives the Mets an even more unpredictable air. The other six starters are usually not determined until game time.

No matter what the outcome, this year's World Series, which begins on Saturday, October 11, should provide the world as well as the Tech tool, with a thrilling climax to an amazing summer of baseball.

BU slips by Tech nine 5-4

by Steven Goldstein

With a strong nucleus from last year's varsity and members of last season's fine freshman baseball team returning to this year's varsity team, Coach Fran O'Brien had hoped that baseball at MIT would make a dramatic reversal from last year's dismal record. Teh big comeback was postponed for one game as the Techmen lost a heartbreaker to Boston University in the opening game of the season by a score of 5 to 4.

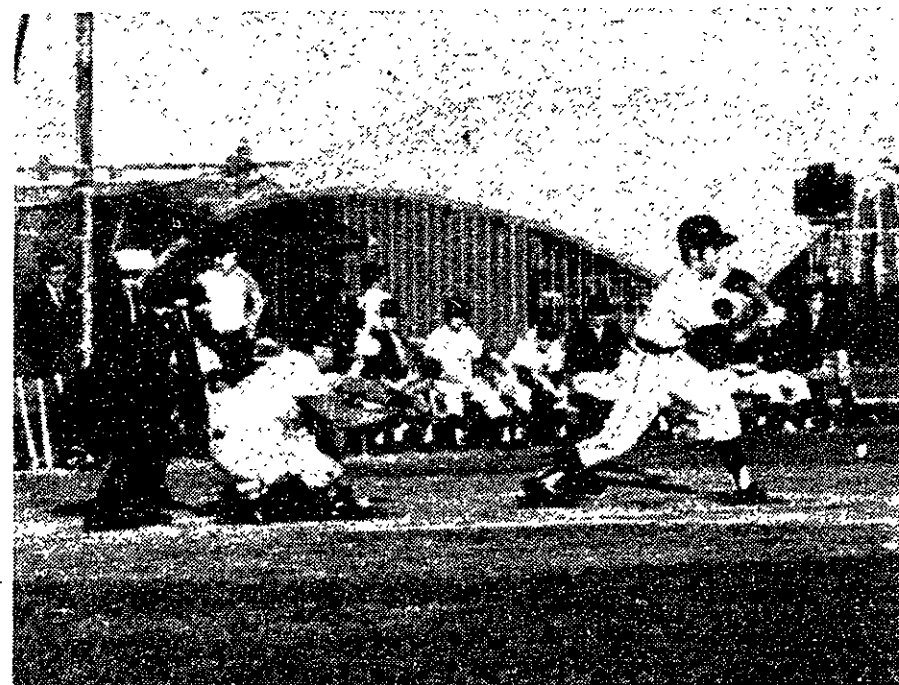
BU drew blood in the first inning, tagging Tech starter Art Kilmurray for two runs on three hits. After this, Kilmurray settled down. He handled the opposition easily, striking out seven batters in the five innings he worked. The 2-0 lead held up until the fourth inning, when the engineers came up with four runs on four hits.

Bruce Wheeler led off the inning with a single, and he advanced to second on Al Dopfel's single. Rich Freyberg forced Dopfel at second while Wheeler moved to third. Shaken up, the BU pitcher uncorked two wild pitches, which scored Wheeler and moved Freyberg to third. The Terrier continued by walking Art Kilmurray. Richard Roy then singled sharply to center, scoring Freyberg with the second run of the inning.

Bill Preece unloaded the big hit of the inning. He lined a sharp line drive triple down the left field line, scoring Kilmurray and Roy and giving the Tech line a 4 to 2 lead. In the fifth inning, BU came up with a run on a two base error and a single to right field.

Dopfel touched for loss

In the sixth inning, Coach O'Brien brought in relief pitcher Al Dopfel. It took Dopfel three batters to settle down. As it turned out, it was these three batters who gave Boston University the game. Three singles in a row coupled iwth a fielder's choice give BU two runs, before Dopfel struck out the last two batters. MIT was unable to come up with any runs in the seventh inning, and BU came out on the



FUTILITY-Tech batsman flails at a BU fastball as the varsity goes down to defeat in the fall opener on Tuesday. The team will host CCNY this weekend.

Photo by Gary DeBardi

plus end of a 5 to 4 score.

Batsmen have potential

Despite the final score, there were some bright spots in the Tech lineup. Art Kilmurray pitched five strong innings, and the fourth inning proved that the Techmen do have a strong hitting threat and power potential. Al Dopfel went two for two while Bill Preece had his big

triple and two RBIs. This all adds up to a great deal of confidence that the MIT baseball team will live up to its very favorable pre-season forecasts.

The next test comes in the form of a weekend series with the City College of New York. The two game set will consist of a 2 P.M. game this Saturday, and a Noon game on Sunday.

Golfers hurt by lack of practice lose two

The first golf match of the fall season came a bit too early for MIT's varsity golfers as they lost to both St. Anselms 4-3 and New Haven 6-1 in a tri-cornered contest on Tuesday. The combination of the late starting date of the MIT year, rush week, and a summer lay-off added up to little practice time and a poor start. The golfers travel to the University of Vermont at Burlington this weekend to compete in the ECAC qualifying round.

Smolek wins two

Ken Smolek '70 teeing off in the number one slot fared the best of all the engineer golfers. His 79 was good enough for victories over both of his opponents. The amazing thing about Smolek's round was that he was down five holes to his playing partner from St. Anselms after the seventh hole. However, a spectacular back nine of three under par enabled the Tech captain to snatch the point away by one hole despite a 74 by the top St. Anselms golfer. Smolek's round included an eagle three on the par five sixteenth followed by a neat chip-in for a birdie on the seventeenth.

Co-captain Don Anderson '70 at number split his round. An-

derson defeated Steve Kavanaugh of St. Anselms four up, but Stan Papa of New Haven defeated the engineer three up with a fine round of 74. Anderson, who shot an 81, felt the effects of the lay-off as the edge was off his game.

Light shoots a 76

In the third position John Light '69 had a fine day as he came into the clubhouse with a 76. Still it was only good enough to take the match from his opponent from St. Anselms. His foe from the Nutmeg State put on a display of hot putting to down Light. However, Light didn't lose without a struggle. After gifting New Haven a four hole lead, Light birdied four of the next eight holes. For all this John could gain only two points. He sealed his fate by dumping his third shot on sixteen into a creek and taking a bogey.

The other four engineer swingers showed their collective inexperience as they failed to win a match. Bob Armstrong '71, Gregg Erickson '70, and Bob Creecy '70 were part-time performers last year, and Andy Smith '72 was playing his first match.

How They Did

Baseball

BU 5-MIT (V) 4

Sailing

MIT won the Moore Trophy.

Golf

St. Anselms 4-MIT (V) 3

New Haven 6-MIT (V) 1

Tennis

URI 5½-MIT (V) 3½

On Deck

Friday

Soccer (JV)-Stevens College, home, 3:30 pm.

Saturday

Cross Country (V & F)-RPI, WPI, away, 12:00 noon.

Sailing (V)-Hexagonal at Emerson, 12:30 pm.

Soccer (V & F)-Trinity, home, 2:00 pm.

Baseball (V)-CCNY, home, 2:00 pm.

Golf (V)-ECAC qualifying round at Vermont.

Sunday

Sailing (F)-Duodecagonal at Coast Guard, 10:30 am.

Baseball (V)-CCNY, home, 12:00

URI tops racquetmen 5½ - 3½

By Ray Kwasnick

The tennis team, weakened by the loss of four of last year's top players to graduation and transfer, came out on the short end of a 5½-3½ decision to the University of Rhode Island Wednesday. It was the first time MIT had ever lost to the Rams in tennis. The engineers will try to even their record when they host Tufts this afternoon at 3:00 p.m.

With Skip Brookfield, Bob Metcalfe, and Tom Stewart all graduated and the transfer of Steve Gottleib to UCLA Bob McKinley '70 got the call as the number one seeding. McKinley came through with a 9-7, 6-3 win over URI's Andy Yosinoff. Yosinoff covered the court very well and showed powerful forehand strokes, but he was no match for the stylish engineer.

Playing at the number two position Manny Weiss '70 conquered Erwin Shorr of URI 6-4, 8-6. Shorr had a strong net game and played very aggressively in trying to take full advantage of his asset. However, Weiss adjusted easily and utilized a good lob and passing shot to overcome his Ram foe.

Joe Baron '70 faced Tad Connerton in the number three slot, and fell 6-3, 6-1 to Connerton. Connerton had finished second to McKinley in last year's Brandeis tournament. In this match Baron's lack of control led to his downfall.

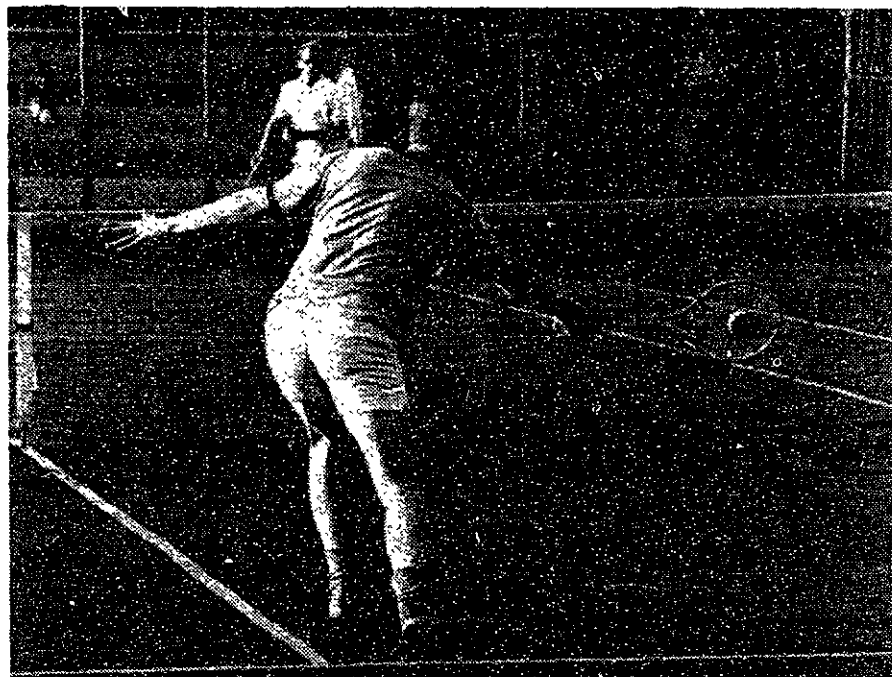
Scudder Smith '70 won the third MIT point 6-3, 3-6, 6-0 over Dave Rapely. Smith appeared to be coasting to an easy triumph after breezing through first set and grabbing a 3-0 lead in the second. But figuring he just had to hold his serve to put the match away, Smith seemed to let up, and Rapely took six straight games. However, Smith caught himself in time and went on to blank Rapely for the win.

Steve Cross '71 suffered from the same problem as Smith, but there was no time for Cross to recover. Bill Nesbitt of URI took

after Cross had blown a 5-0 lead in the third set.

At six, Skip Perkins '70 started strong but couldn't hold on as Fred Brown took it 7-9, 6-1, 6-1.

Going into the doubles the score was tied at 3-3. However, this was not to be Tech's day as the bottom two doubles pairings gave up wins to URI. Cross and Smith lost 6-1, 6-3; Baron and Perkins were dumped 6-1, 6-2. At one, McKinley and Weiss were given half a point because the match was called due to darkness.



TUNE UP - A varsity racquetman slams a hard fast volley as the team prepares for its opener Wednesday at URI.

Photo by Dave Johnston

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Friday, October 3, 1969