

Army to draft at 21 years

Selective Service Officials announced early this month that the Army will be drafting 21-year-olds by the end of this year.

As a result, many of the class of '64 will have to choose between graduate school or the services upon graduation. The Army will not defer those students who wish to take a year off before graduate school, even if they have been accepted by a school.

Also to be effected will be those students who drop out of college for a year's leave of absence, while still in good standing with their institutions. They will not be granted deferments.

New Legislature bill calls for investigation of Harvard fumigation

The Massachusetts Legislature has passed a bill calling for an investigation of possible negligence in the use of methyl bromide, a volatile pesticide used for fumigation purposes, at Harvard University herbariums.

The bill is the result of a petition by Mrs. Maile E. Lamb, a former employee of Farlow Herbarium. Mrs. Lamb claims that she and another employee are suffering from a kidney disease caused by methyl bromide fumes from Gray Herbarium, located next to Farlow. Several other employees, she has said, have complained of chronic headaches.

Supported by Study

The complaint is supported by a study made last October at Mrs. Lamb's request by Francis Silver, a West Virginia engineer. Silver listed eleven safety measures, including metal lining on the walls of the fumigation chamber, which he said the Harvard herbarium failed to meet.

Dr. Reed Rollins, director of the Gray Herbarium, replied that Silver's criteria applied to large-scale fumigations, whereas the herbarium fumigates about once a week in one-pound doses of methyl bromide.

He said that the herbarium follows U.S. Department of Agriculture specifications for fumigations on this scale, and substitutes an "impervious paint" for metal lining. According to Rollins, Silver's study was unauthorized.

An authorized study made last fall under the state Department of Labor and Industries revealed "no undue hazard to employees."

Cause Questioned

The Harvard University Health Service is reported to be satisfied that the ailments of the employees were not caused by methyl bromide poisoning.

The bill as presented to the House describes methyl bromide as "an insidious, deadly poisonous gas, volatile and cumulative in its effects, and twenty times more dangerous than hydrogen cyanide."

According to the bill, "as a result of the lack of proper local supervision and control there are numerous examples of great and serious injury to the health of numberless persons exposed to this deadly toxic poisonous gas."

Commission Set Up

The bill directs that a special commission consisting of "one member of the senate, three members of the house of representatives and three members to be

(Please turn to Page 14)

New state tax law to affect students

A new Massachusetts income tax law will allow parents of college students a \$400 deduction from taxable income, effective in 1964, for each qualified dependent.

Some confusion resulted recently about the matter when Governor Peabody referred to the new bill on December 26, as effective "from now on." He did not mean to include the returns due this April 15, a tax department spokes-

The lowering of age was necessitated following an executive order by the former President Kennedy, exempting married men from the draft. A drop in the rate of re-enlistment of those in the Army was also a contributing factor.

Draft quotas after the executive order nearly doubled to a peak of 17,000 a month in November. A leveling off this spring to about 13,000 is expected.

Not only are men being called up for pre-induction physicals sooner, but they are also entering the Army more quickly. What used to be a five to six month wait, is now at most two. In many cases, then, there will be no option for enlisting in the National Guard or Reserve.

Locke, Overnager get new posts

By D. F. Nolan

Since 1956, the number of library users at MIT has been increasing at the rate of ten percent a year, and the library staff has nearly doubled.

In order to attempt to meet the challenges presented by this rapid and continuing growth, the Institute has recently made two administrative appointments.

Dr. William N. Locke, who for eight years has been serving both as Director of Libraries and as head of the Modern Languages Department, will devote his entire time to management and development of the libraries starting this summer.

Dr. Carl F. J. Overnager, who for the past seven years has been director of the Lincoln Laboratory, has left this position in order to initiate and direct a long-range program in the application of modern information-retrieval methods to library operation. In the development of this project, he will work closely with Dr. Locke.

Up-to-date library

The ultimate objective is a fully adequate library of science and technology for use in the 1970's and beyond. As scientific knowledge becomes increasingly important, and the amount to be assimilated, correlated, and catalogued continues to grow at an increasing rate, it is of primary importance that library science keep pace with the rest of technological progress.

'Emergency'

The problem of information-retrieval is being felt at research centers and universities all over the country, due to the post-Sputnik emphasis on science and technology. Here at MIT, the problem is most acute, because of the Institute's position as a leader both in scientific-technological education and in scientific research. As Dr. Overnager put it "We feel the hot breath of emergency upon us."

"We are living in a society dominated by science and technology, and the flow of new re-

sults now is very rapid," he said during a recent interview.

Bottiglia succeeds Locke

Dr. Locke, the new Director of Libraries, is a graduate of Bowdoin College and received his doctorate from Harvard in 1941. A member of the foreign staff of the Office of War Information, he came to MIT in 1945, and in 1950 he helped inaugurate the work in mechanical translation now being done at the Institute.

He will be succeeded in his post as head of the Modern Languages Department by Dr. William F. Bottiglia, who has been a professor of modern languages at MIT since 1956, and was responsible for the introduction of a two-semester course in Dante.

Radford follows Overnager

Dr. Overnager, a native of London, England, graduated from the California Institute of Technology and received his Ph.D. in physics there in 1937. He has been at MIT intermittently since World War II, when he was leader of a research group in the Radiation Laboratory, and has been with Lincoln Laboratory continuously since 1955. He was named director in February 1957, and was succeeded last week by Professor William H. Radford, former associate director of the Labs.

Professor Radford has been on the MIT staff since 1932, and has been a professor of electrical communications since 1952.

Wiesner to press:

NASA site decision wise

By W. H. Speaker

Dr. Jerome P. Wiesner, at a press conference February 5, praised the NASA decision to locate its proposed \$60 million electronics research center in Boston.

Returning from his Washington post as the President's Special Assistant for Science and Technology, the new Dean of the School of Science told newsmen: "The electronics center ought to be put where it could be built up most rapidly on the East Coast . . . Outside of the East Coast complex, you don't have the kind of scientific strength you need."

Noting the recent failure of the Ranger 6 space probe, Dr. Wiesner said that such failures only serve to illustrate the need for activities such as those proposed for the new NASA center.

MIT influenced decision

Indicating that the NASA decision was influenced by the proximity of many fine educational institutions, Dr. Wiesner said "Harvard, MIT, and New England got a jump on the field scientifically in the 1930's and '40s and the rest of the country has to catch up. New England's scientific activities are still the best."

The Center's effect would be to

stimulate further research here, he claimed, but location elsewhere would draw top personnel away from the Boston area.

While praising the NASA decision, he said that if there is a fight over the location, it will come in the House within the next 40 days.

Commenting on government supported research and development activities, Dr. Wiesner estimated that total R&D activities would level off at about 45% of gross national product. He said, "We're spending 2 1/2-3% of GNP now . . . economists have suggested that 5% would be a more comfortable level."

\$100 million a year

Still on the theme of R&D activities, the new dean stated that he would like to see \$100 million a year spent in educational research and development. He noted that such money is not available to local school systems and it must be provided by other sources.

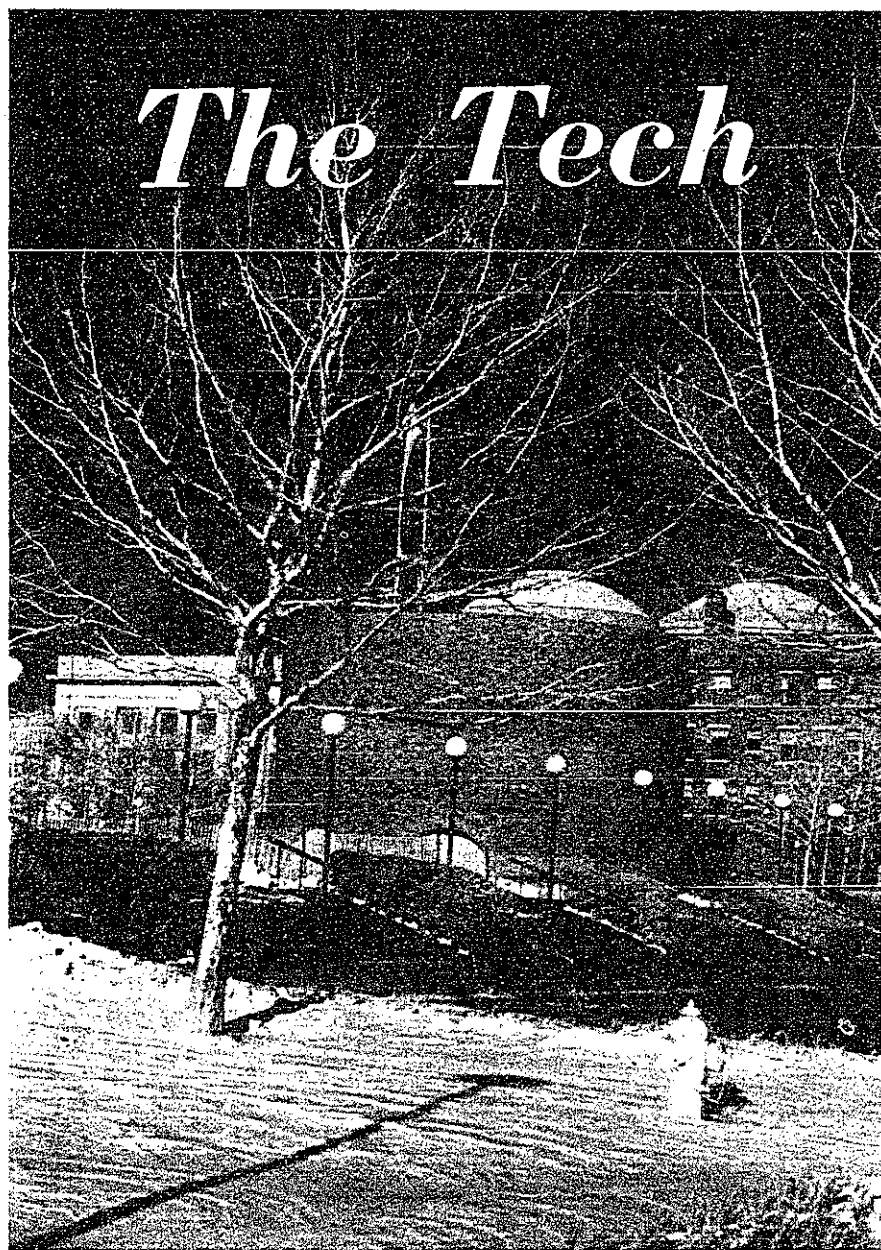
When questioned about the U.S. educational gap, Dr. Wiesner recommended doubling the present number of first-rate graduate schools to meet future demands for technical personnel. He emphasized that it was impossible to just plant new graduate schools and it was necessary to use as the nucleus the small, underdeveloped schools with high potential for becoming first-rate graduate centers.

Dr. Wiesner has led a distinguished scientific career. He received his B.S., M.S., and Ph.D. from the University of Michigan.

Radar work

During the war, he was assigned group leader of Project Cadillac which developed an airborne radar system. After the war, Dr. Wiesner spent a year at Los Alamos, then returned to MIT becoming director of the Research Laboratory of Electronics in 1952.

His contributions to microwave theory have been notable. In addition to the conception of scatter transmission, Dr. Wiesner has devoted much effort to the search for effective methods of arms controls, attending the 1958 Geneva Conference for the Prevention of a Surprise Attack.



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For greener pastures

Mass exodus from dorms

By Harvey Schultz

During intercession approximately 170 undergraduate rooms were vacated by students leaving their dormitories.

Mike Rainier '64, president of Burton House, attributed this to dissatisfaction with study conditions and an inability of some Techmen to live with each other as roommates.

Many of those leaving the dormitory system showed a desire to obtain choice apartments before the room rent rise drives a greater number to seek cheaper lodging in September.

Some room changes involved people moving to other dormitories. One person who was approximately one hundredth on the dormitory waiting list was able to move in during intercession.

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Hewes now heads Office of Industrial Studies; Warren D. Wells '48 is the new Registrar

By Stuart Orkin

Robert E. Hewes '43, Registrar since 1956, has been appointed Director of the new Office of Institutional Studies. Warren D. Wells '48, presently Associate Registrar, will become Registrar.

Mr. Hewes will plan and direct a variety of studies in such areas as budget analysis, use of equipment, space and secretarial support. These studies will be conducted in cooperation with administrative offices and faculty committees.

Mr. Hewes, a 1943 graduate of MIT, returned as Assistant Registrar after five years in industry. He became Associate Registrar in 1953 and Registrar in 1956. He has served as President of the New England Association of Collegiate Registrars and Ad-

missions Officers, Chairman of the Council on Educational Data Systems, and a member of the U.S. Department of Health, Education and Welfare Office of Educational Statistics.

Mr. Wells graduated from MIT in 1948. He was appointed Assistant Registrar in 1951, and Associate Registrar in 1957. He has been Executive Officer of the Institute's Committee on Curricula since 1957 and has taught chemistry since 1951.

He is a member of both the New England and the American Association of Collegiate Registrars and Admissions Officers. He has served as Chairman of the Committee on the University Calendar.

Registration Day brings tools from rooms in search of roll cards



Registration day produced its usual quota of confusion Monday, with 6500 students trekking from place to place in the frantic pursuit of roll cards and textbooks. At left, one of the luckier members of the horde learns that he has avoided the \$5 fine. Center, others wait in line to learn whether they have fared as well, as the unlucky straggle toward the Bursar's office. Right, those who have accomplished all else meet the final challenge in the mass assault on the Technology Store textbook section.

Five at MIT get awards of Meteorological Society

By Rich Millman

Men affiliated with MIT received five out of the six major awards given by the American Meteorological Society at their annual dinner at Beverly Hills on January 30. The two gold medals that were awarded went to MIT professors.

Dr. Jule G. Charney, professor of meteorology at MIT received the society's highest honor, the Carl-Gustaf Rossby Research Medal for "his long and distinguished record of outstanding contributions to theoretical meteorology and related atmosphere sciences, and many other aspects of geophysical fluid mechanics."

Professor Charney's work has "contributed significantly to the study of meteorology as an exact science."

Henry Stommel, professor of oceanography at MIT, was awarded the Sverdrup Gold Medal of the society "for his outstanding contributions to the dynamics of ocean currents."

The Charles Franklin Brooks Award was presented to Dr. Thomas F. Malone, '46. He is now a member of the Earth Sciences Visiting Committee and is a former member of the faculty.

Dr. Francis W. Reichelderfer, chief of the United States Weather Bureau, received the Cleve-

Join opposition

Killian, Peabody, Pussey discuss underpasses

Nathan Pussey, President of Harvard University, and James R. Killian, Chairman of the Board of MIT, met with Governor Peabody last Thursday to seek assistance in the fight against the Memorial Drive underpasses presently slated for construction

land Abbe Award for Distinguished Service to Atmospheric Sciences. He is also a member of the Earth Sciences Visiting Committee at MIT.

The Meisinger Award went to Dr. Richard H. Reed, '49, of the Department of Atmospheric Sciences at the University of Washington.

by the Metropolitan District Commission.

These underpasses, which will cost an estimated six million dollars, are planned for the Boylston Street, River Street, and Western Avenue intersections. Proponents of the underpass contend that they are necessary to handle the increased traffic from the Massachusetts Turnpike; opponents contend that they are not.

Alternate suggestions put forth by the opponents have included a computerized traffic control system (estimated cost \$100,000) which is endorsed by the Cambridge City Planning Board.

MIT and Harvard are opposed to the underpasses, as are most

Cambridge civic organizations and many local officials. At the February 6th hearing, attended by over 400 people, including representatives from MIT and Harvard, more than 30 people spoke in favor of bills which would repeal or amend a 1962 act directing the MDC to build the underpasses; only three spoke against the new proposals.

These three included two Democratic legislators from Cambridge, Rep. John J. Toomey and Sen. Francis X. McCann. McCann sponsored the 1962 legislation, and Toomey is Chairman of the powerful House Ways and Means Committee.

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MITRE Corp. serves national defense

By Richard Spehn

Formed in 1959 with a nucleus of 500 scientists and engineers from MIT's Lincoln Laboratory, the MITRE Corporation in Bedford today numbers 2,000 employees, more than 750 of whom are professional engineers and scientists, with another 700 technical support people and some 600 administrative people backing them up.

MITRE's prime credentials are technical competence and objectivity, both of which were prerequisites from its inception. From the beginning, these characteristics have been maintained until today MITRE is one of the largest research and development organizations in the country.

Although its budget for the last fiscal year was over \$34 million, MITRE has no stock, makes no products, and, according to its nonprofit charter, can only "perform, engage in and procure research, development, engineering and advisory services to or for the United States Government or any department or agency thereof."

MITRE's job ranges all the way from evaluating technical proposals submitted by industry to the actual design and technical direction of a huge system such as the NORAD Combat Operations Center.

The Department of Defense selected MITRE to assist the Defense Communications Agency in

the design of the National Military Command System—a computer system that will collect information from command and control systems around the world as well as from other sources, process it and display that which is essential for the President and the Joint Chiefs of Staff to make decisions in the event of war.

This work made it necessary to set up another technical group in Washington, and resulted in a new MITRE facility in Arlington, Virginia.

Similar "satellite operations" are scattered in other areas in support of other projects. These include a MITRE group at Colorado Springs, designing the NORAD Combat Operations Center which will be "hardened" against nuclear attack under the granite rock of Cheyenne Mountain; a team in Tampa, Florida, designing the command and control system for the new United States Strike Command; people in Paris to assist NATO in planning European air defense, and in Weisbaden, Germany, to assist in the establishment of an air weapons control system for Europe.

In the area of financing, MITRE works on a fee basis. Contracts are usually cost-plus-fixed-fee with an average fee under six per cent. The fee is a matter of negotiation determined in the basis of need. For the most part MITRE uses its fee for such things as buildings and self-sponsored research.

In the event that MITRE should go out of business, all buildings and equipment would be turned over to the Government. According to MITRE's charter the President of the U. S. would be responsible for the disposition of these assets.

Action last week

Mass. income tax law grants deductions to students' parents

Two proposals to grant tax exemptions on college expenses to parents and working students were rejected by the Senate last week.

One, an amendment by Senator Abraham Ribicoff to the Administration's tax bill, would allow exemptions up to \$325 on college expenses of \$1500 or more. The amount of exemption would be lowered gradually for families with gross income over \$25,000, with no exemption allowed for gross income over \$57,000. This amendment, which was opposed by the Johnson administration,

was defeated, 48-45.

Senator Winston L. Prouty of Vermont introduced a second amendment, which would have granted tax deductions for working students. The proposal was rejected after a tie vote, 47-47.

The Ribicoff amendment was strongly supported by the Republicans. Reasons given by opponents for rejecting the proposals were that they would tend to increase the federal deficit, and that they would encourage colleges to increase tuition charges, and so would be of little help to students.

MIT student Republican clubs send delegates to mock convention held at Wellesley campus

The MIT Students for Goldwater and the MIT Young Republicans are planning to invade the Wellesley campus on Saturday, Feb. 29, on an all-day expedition to the mock convention being held by the New England Council of Young Republicans.

The convention, cohosted by Harvard and Wellesley, is expected to be dominated by liberal delegates from the two schools. MIT, seat of the largest college Goldwater group in the state, will send a predominantly pro-Goldwater delegation. Many other New England schools will participate.

A joint meeting of the MIT Students for Goldwater and MIT

Young Republicans will be held in the Vannevar Bush Room this Sunday at 2:00 p.m. Organizational plans, including transportation arrangements, will be made at that time. Transportation will probably be by chartered bus, and may be a co-operative venture with the delegations from several nearby girls' schools, including Simmons and Katy Gibbs.

Cost will be \$4.00 per person—\$3.50 to those already members of MITSG or YR, \$3.00 to those already members of both—which includes \$2.00 convention registration fee, membership in MITSG and YR, and transportation.

Undergrads chant as Stratton dines; Wadleigh, Fassett herd them back

By Bill Judnick

Following the announcement of the increase in dormitory rates, over 200 students gathered on the night of January 15, to riot in protest.

Originating at Burton House, the demonstrators strengthened their numbers at the other dormitories and proceeded to assemble before the home of President Julius A. Stratton to chant slogans. Unfortunately, the President was attending a function at the Faculty Club at the time—unknown to the throng.

Deans arrive

The first authority to arrive at the scene was Dean Kenneth R. Wadleigh. He drove up to the President's house in a sports car and stepped out just as a snowball struck the windshield. His first words were: "Anyone who is here three minutes from now will not be here tomorrow!" The

crowd immediately dispersed.

Dean of Residence Frederick G. Fassett, who arrived shortly thereafter, joined Dean Wadleigh in bringing up the rear of the trail of students heading back toward West Campus.

Outside spectators trickled in. They included several Campus Patrolmen, a unit of Cambridge police, and three Boston newspaper reporters. Since the group was already well in control they became inactive spectators.

Commenting on the affair, Burton Housemaster Professor David C. White wrote, in sarcastic context: "The aim of the demonstration was apparently to show the Administration of MIT, who have worked diligently to maintain stable costs in a spiraling price market, how they, the students, held them in such high esteem for their efforts on the students' behalf."



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Auld lang syne, Volume 83

This issue of The Tech, the first of the term, is also the first of the new Volume 84.

We would like to commend the outgoing Board of Directors for an excellent performance during the last year—and a good year it was.

The Tech knocked \$500, or 25%, off its revolving fund loan during the past year. This is now its only debt, since a \$1,000 obligation to Finance Board was completely closed out. Capping this healthy financial base, The Tech's circulation rose 10% to an all-time high.

Credit for outstanding work goes to the following members of last year's Board of Directors:

Toby Zidle, who capably guided The Tech's policy with a gentle but firm hand and delighted the campus with his weekly 'College World' column.

Jason Fane, whose clear, concise editorials set a high standard for next year's work, and whose dedication and perseverance in getting all the facts will long be remembered.

Howard Brauer, our new Chairman, who accounted for The Tech's bright fi-

nancial figure through his efforts as Business Manager.

Howie Ellis, whose detailed news coverage recorded such scoops as the appointment of Dr. Wiesner as Dean of Science.

Walt Winshall, who provided numerous items of interest to the campus as Features Editor.

Cliff Weinstein, whose comprehensive sports coverage will again be enjoyed by athletics fans this term.

Mona Dickson, who kept the campus up-to-date on local entertainment through schedules and lively columnists.

Steve Teicher, whose imaginative photography will grace our pages in this volume as it did in the last.

Lyall Morrill, to whom we owe a debt of gratitude for long hours of work in making The Tech one of the best designed college newspapers.

Bernie Yaged, whose efforts in obtaining advertising provided much of the income without which our coverage would not have been possible.

We offer our gratitude and an assurance that we will try to meet their high standards of journalistic excellence to these members of the Board of Direc-

Second - term Activities Midway

The Activities Council has taken a useful and commendable step in establishing and running a second-term Activities Midway, currently planned for Friday, February 21, in 50-340. Certainly it has recognized a longstanding need of the undergraduate student community.

Current plans and reports indicate that the activities have recognized the valuable opportunity offered — approximately 50 organizations will present their recruitment appeals with booths, displays and refreshments.

The only remaining element essential to the Midway plans is a successful stu-

dent turnout. We have long emphasized the benefits of participation in student activities, both to the life of the Institute and to the individual participant. We believe that most students recognize the broader perspective of student life that can be obtained through such participation. Now members of all classes have the opportunity to examine and reappraise their interests and skills. We urge all Tech students to use this opportunity—to attend the Midway and to indicate their interests to the activities.

Of course, mere lists of names of inactive students on the club rolls do not benefit the activity or the students. It is participation that is important, not token membership cards or pins. But we are pleased that Activities Council has now provided the entire student body and the multitude of student activities with this chance for mutual exposure and exposure.

New space center

The late President Kennedy planned to refer to MIT as a magnet for industrial development in his never-delivered speech in Dallas last November 22. He would have pointed out that only an area with top-quality scientific education can attract technologically-based industries.

The truth of Kennedy's assertion is borne out by the selection of Boston from a field of 100 contenders as the site of NASA's new \$60 million electronics research center. James E. Webb, head of NASA, revealed the importance of MIT in the site selection when he requested funds from Congress last week.

"MIT and Harvard," Webb said, "provide a basic core of the highest quality of research, scholarship and training in the scientific fields of primary interest."

Webb noted that MIT was second only to Stanford in the number of electrical engineering degrees awarded in the 1960-63 period. Only the University of California at Berkeley topped MIT in physics degrees.

Robert C. Seamans '42, associate administrator of NASA, told Congress last week that electronic failures are the main reason why only 25% of U. S. space launches are successful. The purpose of the new center is to eliminate such failures.

NASA's decision to build here should pump \$250 million annually into the New England economy and strengthen the area's technological base. We can be proud of the trust shown in MIT's educational quality and objectives by this decision.

Inside Incomm

UAP recommends revisions in policies of The Tech

By Jerry Luebbers, UAP

As the new The Tech board commences its managerial reign, the concepts of "new," "improved," and "different" assume greater stature than at any other time. It therefore seems appropriate to offer the incoming journalists candid impressions of the job done by their predecessors and suggestions for bettering the paper.

At the Institute, The Tech has two entirely separate areas of responsibility; to the "science of journalism" and to the community.

As a member of the journalistic trade, The Tech must be on top of all events at the Institute. It should be a source of information to which the MIT community can turn every Wednesday and expect to find out what's new and to bring themselves up to date—not to confirm the essence of a story they'd picked up two or three weeks ago. For example, I was disappointed at having to wait two weeks for the details on MIT's Rhodes scholar.

I am confident that my own experience sheds absolutely no light on the tremendous time requirements of being "in the know." But, unless I miss my guess, most of an editor's time must be in fact collecting, as the presentation of these facts is second nature to him.

Facts have a funny way of being accessible, but only to those who venture forth in a specific effort to gain them. This is precisely what must be done—the advanced handling of the President's Report is a fine example of the kind of work which seems to me to be the guts of good reporting.

To be sure, newspaper content must be tailored to meet the de-

mands of its audience—and subscribers! But, at MIT, this does not mean front-page accounts of rocket systems or other topics more appropriate to TEN. A new advance on the "frontiers" is of course news par excellence, but so are non-technical events. Faculty appointments, awards, deaths, etc., are news of interest to the whole of the MIT—biographies and similar accounts are dispensable features and should be handled as such.

Rather than ramble in an area with which I am admittedly unfamiliar, let me propose several additions which seem to have merit:

1. A weekly consolidation of the events for the coming month.
2. A regular report on progress, problems, deadlines, pictures, etc., of the many new buildings.
3. A brief summary of world news.
4. Discussion of new openings, legislation, or other Boston events having bearing on MIT; e.g., the Cambridge tax situation.

On the other hand, The Tech has community responsibility. In the "real world," anything uncoverable is treated as printable, but such a rule cannot apply here. If The Tech expects to be taken into the confidence of the Institute, to be kept informed, she must respect the trust which accompanies this knowledge. After all, The Tech can call the shots — she either prints all she gets and roots out what she can, or she enjoys easy access to information and exercises judicious judgement in what she passes on.

Finally, The Tech, as the only newspaper on campus, owes to

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James Gruhl '67

Unsigned editorials in The Tech are the opinion of The Tech's Board of Directors, not that of MIT. The Tech welcomes letters from its readers. Space permitting, such letters will be printed in whole or in part, if deemed by the editor to be of sufficient interest or benefit to the community. Brevity increases the chance of publication. Anonymous letters will not be printed, but names will be withheld upon request.

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Kibitzer

By Alan Rinsky

NORTH
♦ Q 10 7 5
♦ A K J 10 9
♦ J 8 5 2
♣ void

WEST dealer
♦ J 3
♥ 8 2
♦ Q 4 3
♣ A K 10 9 4 3

EAST
♦ 6 4
♥ 6 5 3
♦ K 10 6
♣ Q 7 6 5 2

SOUTH
♦ A K 9 8 2
♥ Q 7 4
♦ A 9 7
♣ J 8

Rubber bridge, neither side vulnerable.

The bidding:
West North East South
Pass 1♥ Pass 1♠
Pass 2♣ Pass 4♣
Pass Pass Pass

West led the King of Clubs. When there is a choice among two suits for trump, it is generally better to choose the one that is more evenly distributed between the two hands. This al-

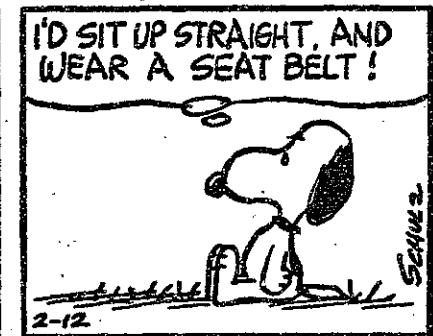
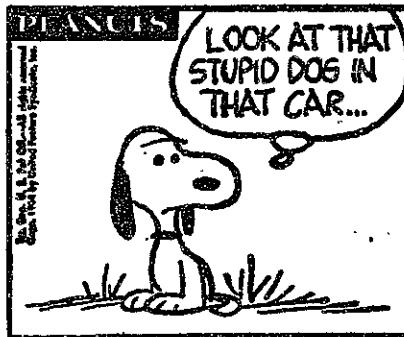
lows the suit that is long in one hand and short in the other to be used to discard losers in the latter hand.

This hand came up in a casual game during intercession at Senior House.

Declarer ruffed the opening club lead in dummy and led a low spade and won with the Ace. He ruffed his last club with the Ten of Spades and led the Queen which dropped the defenders' remaining trump.

The hearts were run and South was able to discard his two low diamonds, and thirteen tricks were won.

Had the contract been in hearts, there would have been no way to avoid losing two diamond tricks. Two clubs could be trumped in the North hand, but that would reduce the heart suit to three in each hand. Only one diamond could be discarded by running the spade suit.



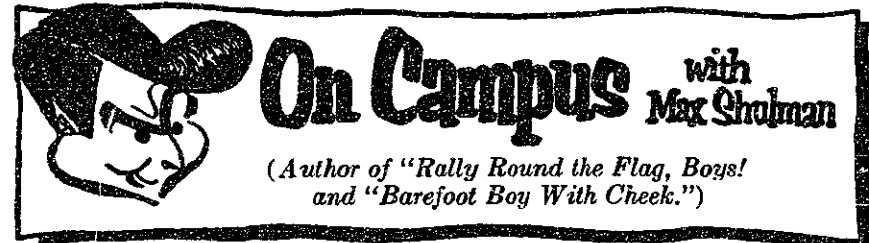
Peanuts appears daily and Sunday in the Boston Herald.

Prominent personalities to visit classrooms via telephone interviews

This spring eleven small Southern and Midwestern colleges, in cooperation with the Ford Foundation, are offering two courses in which prominent personalities will be interviewed over a telephone network. The purpose of the project is to enrich the faculties of the nation's smaller colleges.

During the interview the noted guests will speak from their homes or offices while the students listen and ask questions over amplified telephones.

The courses, "Great Issues in Contemporary Society" and "American Culture as Viewed by Contemporary Writers," will feature such personalities as Margaret Mead, Ralph Bunche, Huston Smith, John Dos Passos, David Riesman, John Updike, and Carvel Collins.



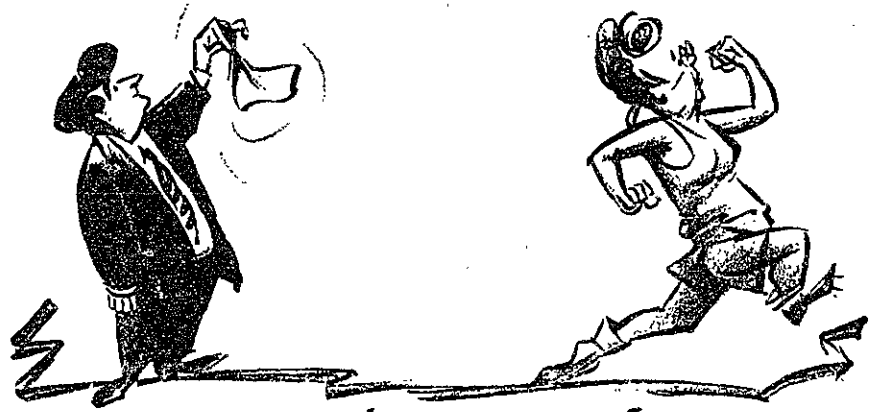
THE INNER MAN

College is fun and frolic and fulfillment—except for one melancholy omission: we don't get to enjoy Mom's home cooking. (In my own undergraduate days, curiously enough, I did not undergo this deprivation; my mother, a noted cross-country runner, was never home long enough to cook a meal until her legs gave out last Arbor Day.)

But most of us arrive at college with fond gastric memories of Mom's nourishing delicacies, and we are inclined now and then to heave great racking sighs as we contemplate the steam tables in the campus cafeteria. Take, for an extreme example, the case of Finster Sigafos.

Finster, a freshman at one of our great Eastern universities (Oregon State) came to college accustomed to home cooking of a kind and quantity enjoyed by very few. Until entering college, Finster had lived all his life in Europe, where his father was an eminent fugitive from justice. Finster's mother, a natural born cook, was mistress of the haute cuisine of a dozen countries, and Finster grew up living and eating in the Continental manner.

He arose each morning at ten and breakfasted lightly on figs,



hot chocolate, and brioche. (It is interesting to note, incidentally, that brioche was named after its inventor, perhaps the greatest of all French bakers, Jean-Claude Brioche (1634-1921). M. Brioche, as we all know, also invented croissants, French toast, and—in a curious departure—the electric razor. Other immortal names in the history of breadstuffs are the German, Otto Pumpnickel (1509-1848) who invented pumpnickel and thus became known to posterity as The Iron Chancellor; the two Americans, William Cullen Raisin (1066-1812) and Walter Rye (1931-1932) who collaborated on the invention of raisin rye; and, of course, Hans Christian Andersen (1805-1875) who invented Danish pastry).

But I digress. Finster, I say, breakfasted lightly at ten a.m. At eleven a.m. his Mom brought him his elevenses. At twelve she brought him his twelves. At 1:30 she served his lunch: first a clear broth; then a fish course (porgy and bass); then an omelette; then the main course—either a saddle of lamb, an eye of sirloin, or a glass of chicken fat; then a salad of escarole; and finally a lemon soufflé.

At three p.m. Mom served Finster low tea, at five p.m. high tea, and at ten p.m. dinner—first a bowl of petite marmite (she trapped the marmites herself); then a fish course (wounded trout); then an omelette of turtle eggs; then the main course—either duck with orange or a basin of farina; then a salad of unborn chicory; and finally a caramel mousse.

And then Finster went off to college, which reminds me of Marlboro Cigarettes. (Actually it doesn't remind me of Marlboro Cigarettes at all, but the makers of Marlboro pay me to write this column and they are inclined to get surly if I fail to mention their product. Mind you, I don't object to mentioning their product—no sir, not one bit. Marlboro's flavor is flavorful, the filter filters, the soft pack is soft, the Flip-Top box flips, and the tattoo is optional. Marlboros are available wherever cigarettes are sold in all fifty states of the Union. Next time you're in the U.S.A., try a pack.)

But I digress. We were speaking of Finster Sigafos who went from Continental dining to dormitory feeding. So whenever you feel sorry for yourself, think of Finster, for it always lifts the heart to know somebody is worse off than you are.

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We, the makers of Marlboro, can't say whether European food beats ours, but this we believe: America's cigarettes lead the whole world. And this we further believe: among America's cigarettes, Marlboros are the finest.

Inside Incomm

(Continued from page 4)

the MIT community the publicity of the events and meetings of all MIT activities, honor societies, and recognized student committees. This service is double valuable — to sponsoring and to attending Techman — and payment for such service is inappropriate.

In short, I'm saying, "Be creative, but be responsible." Of the two, the latter offers the most room for improvement. The confidence of the MIT community is a valuable commodity and must be earned. Here's to a good year.

Alterations in drain system are result of construction of new Materials Center

The recent appearance of drains in the Great Court was due to the construction of the new Materials Science Center, according to Donald Whiston, General Superintendent of the Physical Plant.

The construction of the center required alteration of the water line from the Charles River to the power plant. While this alteration was going on, the pipes were found to be full of silt. To correct this, the river was diverted from the line, and a manhole was built near Building One.

This arrangement, according to Whiston, is also so arranged as to prevent drain pipes from backing up in times of flood and flooding the basement of the Institute.

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Letters to The Tech

Students request meetings on Institute policies

To the Editor:

There is a real and sincerely felt grievance on the part of many students that the Administration has not fully considered the students' opinion on major changes in administrative policies.

One of the inherent characteristics of the present MIT community is a lack of any major unified feeling, any element of personal contact between the Administration and the students. We believe a realistic mechanism is needed which will allow two-way communication between the students and the Administration.

We suggest that the practice of holding open meetings between the students and relevant members of the Administration be established as a means of exchanging student and administrative views on matters of grave import to the students. This mode of communication could well be applied to projected changes in financial, educational, or dormitory policies. Such organized meetings with high ranking members of the Administration would greatly enhance the students' awareness of and respect for the Administration's efforts on their behalf and might well allay the frequently criticized but presently only available means of expression of student opinion—mass demonstrations.

The first application of this mechanism of communication should be to the recent increases in dormitory and commons rates. Many people want to know why the Second Century Fund did not have explicitly included a request for money to be allocated to holding the line on student expenses. A student whose finances put him very close to the point of making

ends meet is given a very serious blow by this rather large dorm and commons increase.

Students in this situation deserve at least to know why these increases were the only possible solution to increasing costs and exactly what the new funds will be used for. The Dean's Office has expressed genuine concern for these problems and a willingness to discuss them with the dormitory residents.

The responsibility for organizing open meetings in each dormitory lies not with the Dean's Office but with the students. There already exists a student government body whose powers include the means of setting up such meetings: the Dormitory Council. We wonder why Dormcor has been so lax in performing its duty, since it has already been formally approached by representatives of the Administration and has so far failed to act.

The open meeting mechanism of communications can be applied to other areas where a student-Administration exchange of ideas would be valuable. A sub-committee of Incomm could organize an All-Institute Meeting to discuss ways of avoiding the imminent tuition increase. A subcommittee of SCEP could perform the same service with regard to proposed changes in educational policy. If it is deemed important enough to hold All-Institute Convocations for Awards and Christmas, why not attach the same importance to these major decisions?

It is the responsibility of student leadership to inform itself of the views of the student body. Too many students are waiting passively for their representatives in student government to take the initiative in establishing the procedures suggested here. We must realize that the essence of student democracy still lies in the students and it is each individual's responsibility to inform his representative in Dormcon, Incomm, and SCEP by a simple note or phone call of his ideas about the measures suggested here.

Robert Zucker '66
Judah Landau '64

SCEP chairman replies

To the Editor:

Although it is a shame that so long a period had to elapse before it was possible to answer (Please turn to page 7)

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MDC rejects bids for repairs of sidewalks on Harvard Bridge; bidding to open again soon

Bids have been taken and rejected for sidewalk repairs on the Harvard Bridge, according to Benjamin Fink, Chief Engineer for the Metropolitan District Commission.

All the bids, which were considered two weeks ago, were too high, he stated, perhaps because

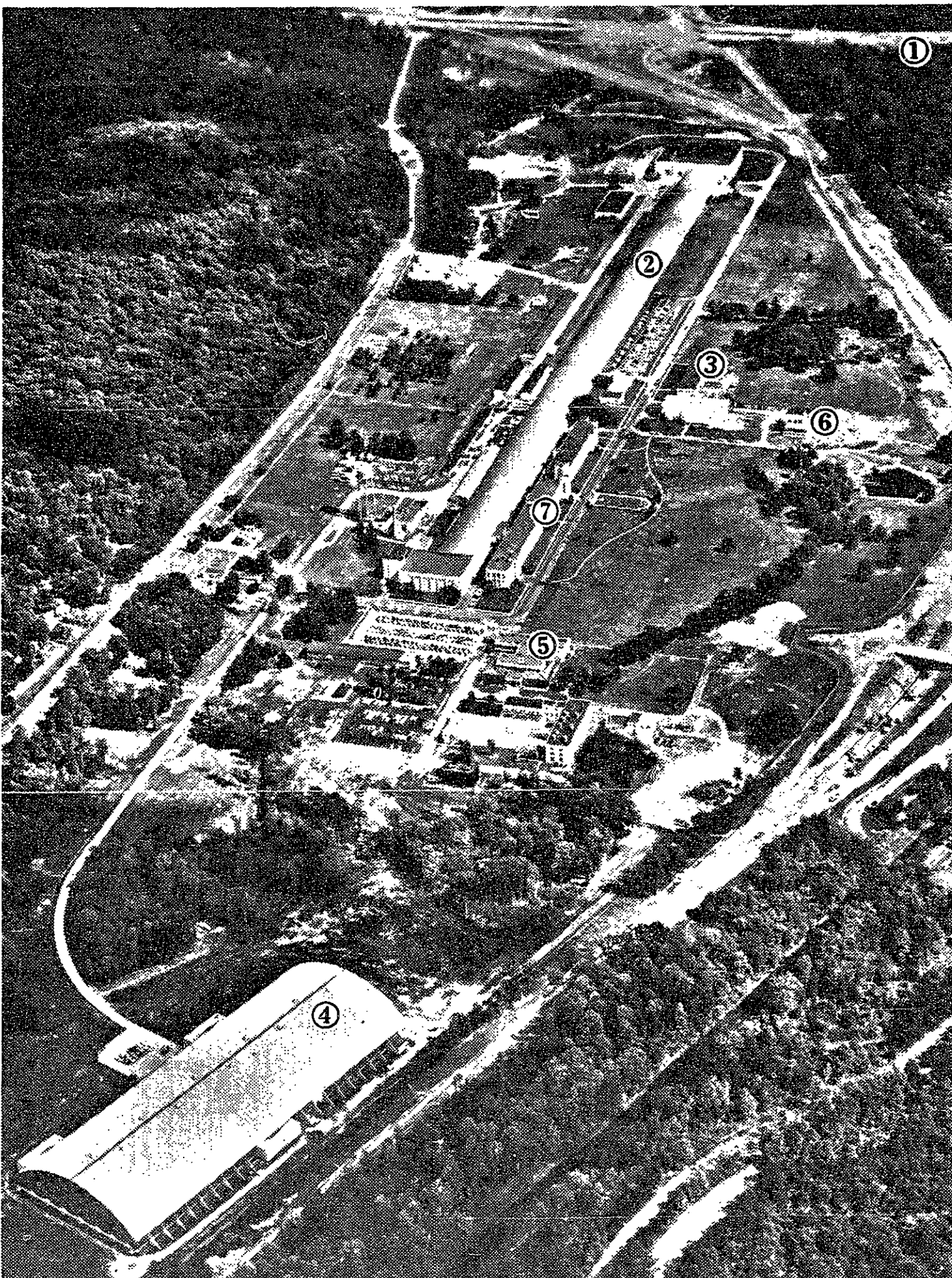
of the weather conditions. Bids will be requested again in the near future, he added.

The work on the bridge will consist of rebuilding of sidewalks and of bracing and painting sections of the bridge.

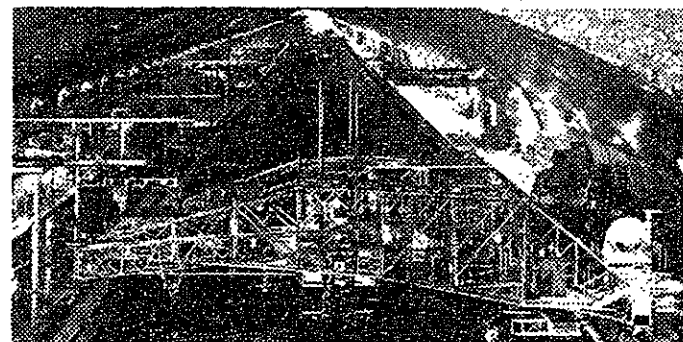
Portions of the bridge will be closed down for the operation, he stated.

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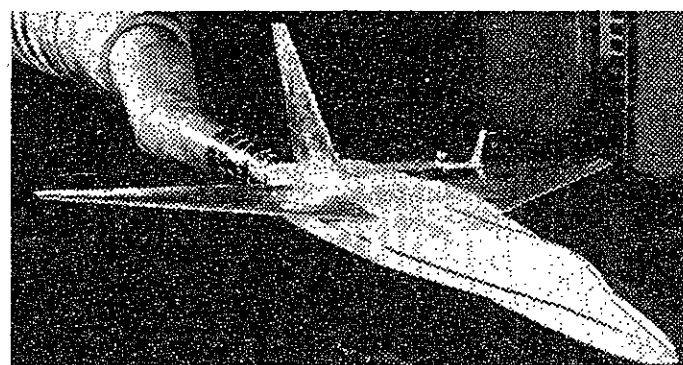
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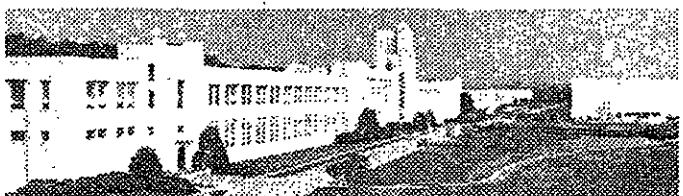
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Letters to The Tech

(Continued from Page 5)

Norman Kaderlan's diatribe against SCEP, the January 15 issue of The Tech was an excellent place for his letter to appear. It was excellent because that same issue had both a front-page announcement of an extension in weekend library hours and the announcement of another forum with the Zacharias Committee, both results of the day-to-day improvements SCEP works for.

One of Mr. Kaderlan's criticisms of SCEP was that it was handling too many projects, some of which were out of its province, the example cited being our investigation of summer job opportunities. If this is a sin we must plead guilty, although it is certainly a refreshing change to be criticized for doing too much in student government. However, we felt that since summer jobs can and should be an educational experience, and that since no other group seemed interested in conducting such an investigation, it was perfectly legitimate for us to do so.

There is somewhat more basis to the complaint that SCEP is not in sufficiently close contact with the student body, but I should like to share this crime

with our accomplices—the student body. A splendid example is the same series of forums with the Zacharias Committee cited by Mr. Kaderlan. The forum held on January 15 was as well-publicized as is possible at MIT, with notices on bulletin boards, letters to living group heads, and announcements in The Tech on successive weeks; yet fewer than twenty-five students were sufficiently interested to drop by. At a Friday afternoon forum sponsored by another group, six undergraduates deigned to attend. This show of disinterest reflects especially poorly on the student body when the academic future of their school is at stake.

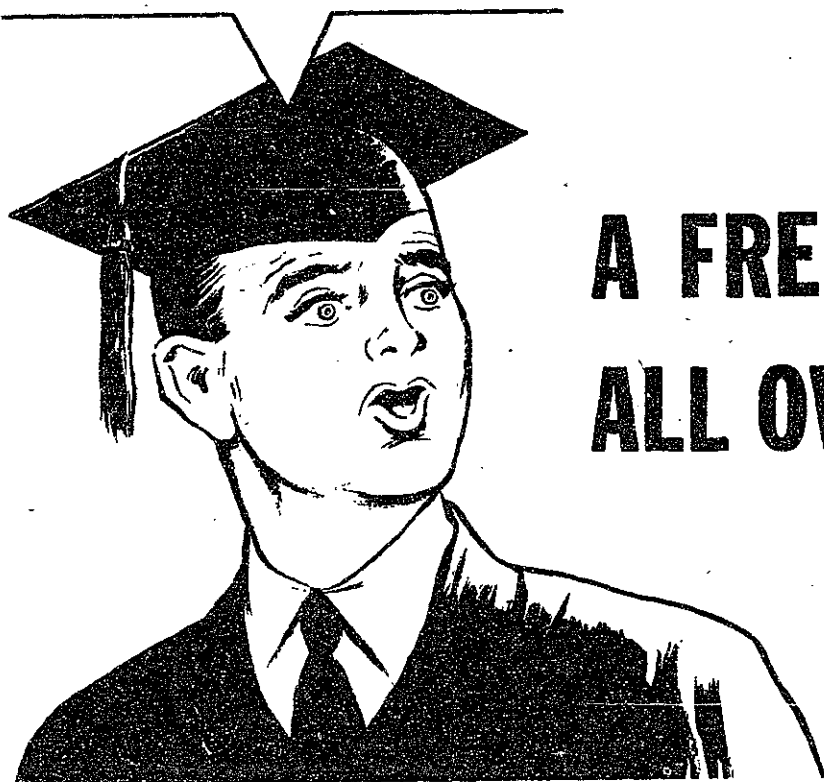
This same lack of interest is met whenever SCEP (or any other group) attempts to use questionnaires to gauge student opinion or to support its requests to the faculty or administration; fewer than 30% commonly reply. A group such as SCEP should be working with active student backing and interest, as it is we have normally to accomplish our work through a haze of indifference and apathy. This is at least one cause of the lack of contest cited.

There remain the criticisms of the Tutoring Program. At the specific request of the Burton House Tutoring Committee, which seemed quite jealous of its autonomy, and because this coincided with the way we felt such projects ideally should be handled, SCEP tried to play only a background role in the project. SCEP confined its activities to liaison between the faculty and the undergraduate tutors and to the handling of administrative details, leaving freshman-tutor relationships and tutor encouragement to the living groups. Our end was kept up; meetings with the faculty were arranged, postcards announcing these meetings sent (with but one exception of which I am aware). Attendance at the tutor meetings dropped steadily throughout the term, but I must suggest that the fault lies rather with the tutors than with SCEP.

In short, while I am aware that there are many valid and constructive criticisms which could be made of SCEP's work to date, I feel that Mr. Kaderlan's criticisms were both short-sighted and ill-founded in fact. We encourage anyone with criticism to air it, but would request that such criticisms be at least carefully thought out.

Edward Hoffer '65
Chairman,
Student Committee
on Educational Policy

Who? Me?...



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Take long-run view**5 profs oppose changes in foreign aid**

"An economic assistance program is vital to the national objectives of the United States," declared five professors in a letter published in the New York Times January 15.

The writers are: Max Millikan, Paul Rosenstein-Rodan, and Paul A. Samuelson, professors of economics, and Richard S. Eckaus and Louis Lefebvre, associate professors of economics.

Objecting to a proposed reorganization of the United States foreign aid program, the letter claimed that the proposal would "dismember the agency for International Development. It would revise the criteria for economic aid to emphasize excessively narrow and short-run policy interests in the United States in place of the long-run objective of assisting countries to achieve self-sustaining growth."

Conceding that the aid program

has been "far from perfect" and that it plays a "limited role in national economic development," the writers claimed that aid "does help the underdeveloped nations to achieve economic viability (and provides) a better chance for the evolution of stable and open societies."

Cannot buy allies

Long term development criteria are necessary in the aid program, according to the professors. "The notion that economic assistance can be used to buy dependable allies or UN votes has so often been demonstrated to be false that it comes as a surprise to see it advanced again as a 'hard-headed' foreign economic policy argument."

"Our aid program has been re-

jected on political grounds by poor countries like Cambodia, Burma, and Indonesia, whose annual income is around \$100. Yet some countries have obtained aid by political blackmail without undertaking a long-term commitment to their own development. Long term development criteria are protection against charges of political interference and blackmail."

Expressing a fear that the reorganization would "disperse and weaken" the program, the writers added that "Organizational structure does make a difference. Economic assistance handled from inside the State Department will inevitably be under the pressure of day-to-day international policies."

MIT wins debate tournament at Boston College

MIT was victor in the second annual Boston College Invitational Debate on February 8. Jim Foster '67 and Eric Johnson '67 won first place for MIT by a unanimous vote of the five judges as they defeated Harvard. Earlier decisions included victories over West Point, Eastern Nazarene, University of Massachusetts, Dartmouth, and another Harvard team.

The topic for the tournament was: "Resolved: That the Federal Government Should Guarantee an Opportunity for High Education to all Qualified High School Graduates."

Dr. Killian to speak at next Forum; Technological manpower his topic

Dr. James Rhyne Killian '26, Forum, sponsored by the MIT Chapter of the national service fraternity, Alpha Phi Omega. The Forum as also presented Provost Charles H. Townes, speaking on "Masters," Dr. Charles Stark Draper '26, the father of inertial guidance, and Dr. Harold Edgerton '27.

STUDENT ACTION MOVEMENT

Students and others interested in service corps projects such as working with the mentally ill, the blind, juvenile delinquents, tutoring, settlement house work and others of this nature are invited to an orientation program of the Student Action Movement at 2 p.m. on Sunday, February 16th. The Student Center is located at 64 Marlborough Street at Berkeley, four blocks from the Arlington St. subway station.

LIBERAL RELIGIOUS STUDENTS OF BOSTON

On February 16th at 8 p.m., the Liberal Religious Students of Boston will present "LA STRADA," one of the finest Italian films ever made. There is no admission charge. The Student Center is located at 64 Marlborough Street at Berkeley, four blocks from the Arlington St. subway station. All interested students are invited to attend and to bring a friend.

Coed kills self: recently married, then separated

Mrs. Catherine Cowden Waters, sophomore chemistry major, was found shot to death in a Cambridge Motor House Hotel room, January 15.

Police said the circumstances indicated suicide; a gun was found near the body. The coed had been undergoing psychiatric treatment, and had recently been separated from her husband who is a graduate student in the Harvard University School of Design.

The couple was married last August and had made their home at 36 Dana Street in Cambridge. Mrs. Waters had moved to a room in McCormack Hall only a few days before the shooting.

The victim was from Bartlesville, Oklahoma, and had attended Rice University in Houston before coming to MIT. Institute sources indicated her grades were good.

DEVELOPMENT OF MANAGEMENT IS OUR MOST IMPORTANT FUNCTION

At the 1963 stockholders' meeting, Arjay R. Miller, President of Ford Motor Company, emphasized the Company's far-sighted recruitment program and its accent on developing management talent:

"Obviously, our long-run future will be determined by the development of our management. Here, every one of us—at all levels of supervision—recognizes this as his most important function. Since 1946, the Company has recruited widely varied talent—talent that can be blended to give us the required combination of tight administration and creative scope."

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"The program is paying off. We have developed a real depth of management talent in the Company, and we are dedicated to seeing it continued and reinforced. Because of this, I feel not only very fortunate in being associated with this management group, but also very confident of its long-run success. We know our goals and how to achieve them."

Those interested in a career with a future are invited to register at the Placement Office for an interview with Ford Motor Company representatives, who will be on campus soon



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Arjay R. Miller, President of Ford Motor Company, and Henry Ford II, Chairman of the Board, at 1963 Annual Stockholders' Meeting.



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NEW
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ATLANTIC?**

Vance Packard: "The Invasion of Privacy": Information is power. This revealing article shows how much and how and by whom it is being ferreted out about Americans.

"Exhibitionism": An expostulation by Ernst H. Gombrich, prompted in part by the decision to send the Venus de Milo to Japan for the Olympics.

"Is There a New Germany?": Martha Gellhorn reports on whether the younger generation in Germany could in time be responsible for "a new Germany."

PLUS AN ATLANTIC EXTRA

"The Ghostly Blank": Alan Moorehead describes the first exploration of the vast central part of Australia.

And poetry by William Stafford, Thomas Hornsby Ferril, Robert Graves, Fergus Allen, Stuart Hemsley and 4 new poets.

Month in, month out The Atlantic's editors seek out exciting expressions of new and provocative ideas. And whether these expressions take the form of prose or poetry, fact or fiction, they always attain a remarkably high level of academic value and literary interest. Make room in your life for The Atlantic. Get a copy today.



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MIT graduate instrumental in organizing search that found 4 students lost on Mount Washington

An MIT graduate, Rither Walling '56, organized and led, with the assistance of at least four Harvard mountaineers, the fifty-odd man search team that succeeded in rescuing four lost Syracuse University climbers. The Syracuse students had been missing for nearly five days in the Mt. Washington area of the Presidential Mountain Range in New Hampshire during a violent snow storm that engulfed the vicinity making rescue impossible. The students had taken refuge in a shelter on Mt. Jefferson, where they were found last Thursday within sight of the Glen House, base of operations for the search.

'Peace Offensive' involves both sides

By Joseph Hanlon
Negotiations with Russia "must involve 'give' as well as 'take'," claims Bernard T. Feld, Professor of Physics, in a letter published in the New York Times January 19.

The letter comments on President Lyndon Johnson's "Peace Offensive" and notes that "agreement is a two-way street on which we on our part must be prepared to recognize and accommodate Russian security requirements at the same time that we strive to enhance our own."

Limit German military

On the possibility of an agreement on Germany, Feld says: "If we and our German allies were

willing to accept binding limitations on German military power, it might well be possible to arrive at agreements." But he questions whether we are "willing to join in a guarantee of the integrity of the present eastern borders of Germany, or to accommodate the deeply felt conviction of most Europeans that a united, militarily powerful Germany, possessing nuclear weapons, would present a grave threat to their security."

Arms reduction

Also in the letter, Feld says that there must be agreement to reduce the present "awesome nuclear arsenals." He adds that "such an agreement will require

inspections — though neither as much nor as intrusive in character as is generally believed.

The price of acceptance by the Russians will certainly include our willingness to cut back substantially from present numbers and to move from our present nuclear superiority toward a situation approaching nuclear parity."

He concludes that "without the willingness on the part of the American people and the Senate to support our President, recognizing that negotiations must involve 'give' as well as 'take,' these negotiations will be doomed to failure."

Feld has written in the field of arms control and has been a participant in Pugwash conferences.

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Four head local effort for Alumni Fund record

Four Attleboro businessmen will direct a local effort to help the MIT Alumni Fund achieve its first \$1,000,000 year.

The MIT Alumni Fund office has appointed A. Graham Sterling '48 chairman of the committee to direct the drive in the Attleboro region. He is manager of Planning and Procurement of the M & C Division of Texas Instruments.

He has designated as vice-chairmen Ray E. Larson '49, of Larson Tool and Stamping Co., Kenneth W. McGrath '49, of L. G. Balfour Co., and David R. Powers '49, of the M & C Division of Texas Instruments. Other alumni will join as workers in the drive.

The MIT Alumni Fund, now in its 24th year, supports many projects which benefit students. Over the past few years more than \$2,000,000 has been used to construct and renovate buildings, and several hundred thousand dollars have been added to student aid in the form of scholarships.

New grad fellowship in biochemistry from industrial gift

A new graduate fellowship in biochemistry has been established as a result of a \$2,000 gift from Bio-Research Consultants, Inc., of Cambridge.

The gift will finance a graduate student for a semester of research under the direction of Dr. John Buchanan, head of the division of biochemistry at MIT.

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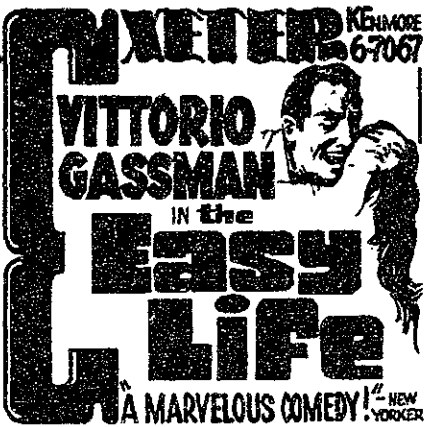
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movies...

'The Easy Life' a rare breed of foreign film

By Mona Dickson
'The Easy Life,' at the Exeter Street Theatre, is an unusual Italian comedy. It manages to combine the story faults of most modern foreign films with the cinematic abilities of the better American directors.

The actual story line is superficial. Alfredo, a fun-loving rover,

meets a young law student, Richardo, and forces him into a farcical romp through Italy.

But the farce soon turns into tragedy. Alfredo views life through a microscope; he scoffs at the details and cannot see the complete picture. He is a callous, sadistic boor who does what-

ever he pleases in the name of fun.

Richardo is the antithesis. Quiet, intelligent, sensitive, he easily falls before Alfredo's analysis of life.

The portrayal of these two characters is excellent. Gassman and Trintignant produce two totally different personalities with precision and yet are able to mesh the two people so well they seem to be two sides of the same person.

Does this sound like a comedy? It is not. If nothing else it is pathetic in its laughter. Ettore Gila, the author, cannot resist the urge to show Italian life "as it really is." Italian films criticize Italian life, French films French life, Swedish films Swedish life. It seems to be an occupational hazard, and there are only so many possible versions of the same faults.

That such analysis is done under the guise of comedy adds nothing to the film. Admittedly, many of the scenes and dialogue are funny. As in most comedy they are an exaggeration of human faults, but the comments are a bit too biting, the exaggerations a bit too emphasized.

Alfredo's comments are obviously meant to show up the typical Italians he meets. He succeeds only in revealing his own warped senses.

Cinematically this film is a pleasant surprise to viewers used to the usual foreign film. This one is not avant-garde. The scenery is clearly lit, the film consistently exposed. The black and white does not change from gray to brown to lavender and back again.

Risi's direction is very good, due mainly to his use of the camera. Instead of a fixed point of view, as in 'La Dolce Vita' and 'Boccaccio '70', the camera moves with the people. This movement produces an empathy between the viewer and the characters that is necessary for any film's 'message' to be put across. The scenes from Alfredo's speeding car are especially effective.

Another rare quality is the con-

THE EASY LIFE: Directed by Dino Risi. Written by Ettore Gila. Produced by Rinaldo Ossola. Music by Renzo Ottolina. Starring Vittorio Gassman as Alfredo, Jean-Louis Trintignant as Richardo. at the Exeter Street Theatre.

tinuity. Although it begins with the usual stream-of-consciousness method, the story manages to use this vehicle effectively. There are no disconnected scenes; everything is tied together by the automobile and the idea of a country excursion. Thus the fact that so few of the places visited are identified is not so disturbing.

A surprising number of the characters are identified, if not by name, at least by profession. This identification is done so skillfully that any idea that such description does not occur in real life seems ridiculous. This personalization, so rare in many Italian films, 'La Dolce Vita' being a glaring example, adds a priceless touch of humanity and reality to the story.

Put together, these various aspects of 'The Easy Life' make it a very interesting film. If the viewer is looking for a few laughs, the film's unabashed honesty provides a lot of comedy.

For one who prefers to get a lesson in morality and modern standards, there are many ideas worthy of consideration, if he can stand the repetition.

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BSO rehearsal time postponed one week

The Boston Symphony Orchestra open rehearsal scheduled for tomorrow evening, Feb. 13 has been rescheduled for the following Thursday evening, Feb. 20 at the normal time of 7:30 p.m.

EVERYONE'S RAVING!

"Delightful... excellent Italian comedy"
Brendan Gill, New Yorker

"A Gem of a film"
Bosley Crowther, N.Y. Times

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Hollis Alpert, Sat. Review

"Bright, saucily tongue-in-cheek"
Jesse Zunker, Cue

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Critic's Choice

Army-McCarthy hearings recorded in gripping film

By Gilberto Perez-Guillera

'Point of Order' (at the Esquire Cinema) is an intelligent 97-minute editing of the TV kinescopes which recorded the famous Army-McCarthy hearings. Seeing them on the screen is an all-too-real evidence that those events really did happen in this country, and, after ten years, the hearings retain every bit of their dramatic power. Perhaps the emotional climax of the sessions was reached when Judge Welch rose indignantly after McCarthy accused a young member of the Judge's law firm of communist militance: "Until this moment, Senator, I think I never really gauged your cruelty or your recklessness . . . Have you left no sense of decency?" This film is a most interesting document of a vibrating reality.

Roman Polanski's first feature film, 'Knife in the Water' (at the West End Cinema), was the most widely liked of the features at the New York Film Festival. Dealing with a simple situation, the tension between a middle-aged sports-writer and his young wife when they invite a young man aboard their sailboat, Polanski exhibits a sure directorial control over his material. The plot develops without much melodrama, from a slow beginning (perhaps too slow at some points to an impressive climax, concluding with a shot which supremely depicts the husband's insecurity and foolish pride.

Visually, 'Knife in the Water' is often exciting (I especially liked the close shots of a character letting us watch the rest of the action in the background) and a few sequences, as the arrival of the sailboat to shore, display an undeniable mastery. If the film lacks polish upon occasion, as in the often abrupt passages from one scene to the next, one cannot expect the smoothness of an Antonioni in a first feature, Polanski, a young Polish director, is certainly to be watched.

In contrast with Polanski, Tony Richardson lacks control over his material, and his technical acrobatics often prove downright annoying (cf. 'The Loneliness of the Long Distance Runner'). His latest film, 'Tom Jones' (at the Beacon Hill), is no exception: it is erratic, overdirected, and lacks the unifying vision which could have turned a sequence of

amusing picaresque episodes into a first-rate film. Richardson's obtrusive cutting and camera movements (again unlike Polanski's) manage to spoil several scenes (as the hunt), and some fine period touches, helped by an interesting use of color, do not save the film.

'Judgment at Nuremberg' (at the LSC Contemporary Series) is the typical Stanley Kramer effort: a heavy-handed, self-righteous treatment of a "problem" which must concern Mr. Kramer very deeply (especially as he counts the profits of the film), throwing in a few big-name stars. Spencer Tracy, the favorite Kramer big name, once more plays a warm-hearted, understanding lawyer of simple tastes. As in 'Inherit the Wind,' he eats cheese sandwiches (surely a sign of an austere man of principle), and ends the film by walking down a corridor holding a book (surely a sign of a man of learning and integrity). Visually, the film is Mr. Kramer's dullest to date (imagine!), and his inventiveness is reduced to rotating the camera around the speakers at the trial, slowly pulling it back, and abruptly moving it close to them when they are saying something "important."

I salute the birth of a new film series, held at Trimount house on Sunday afternoons, whose purpose is not, as with LSC, to make money in order to support other activities, but to present good films which are seldom shown. This semester's program is splendid, including 'Letter From an Unknown Woman' (Ophuls), 'Sunrise' (Murnau), 'The Passion of Joan of Arc' (Dreyer), 'Wagonmaster' (Ford), 'Sergeant York' (Hawks), 'The Band Wagon' (Minnelli). This Sunday's film (shown at 3 p.m., at 22 Marlborough St., Boston) is the exquisite 'Letter from an Unknown Woman,' a film not to be missed.

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Computer aids Ferretti make electronic music

Ercolino Ferretti, a newly appointed music lecturer at MIT, is working with electrical waveforms and a digital computer to create a new kind of music.

Ferretti has appointed the problems of electronic music by first learning how to control electrical waveforms, and developing a computer program to store the information, so that he can now achieve the desired acoustical effect. The major problem is establishing the principles relating waveforms to sounds.

Currently, Ferretti is using MIT's IBM 7094 computer to create his music. His program, containing in numerical form the information concerning the instruments, composition and performance, is punched on IBM cards, which are then fed to the computer. The final process converts the electrical waveforms into acoustical sounds which are recorded on tape. The tape can be played back on a standard tape recorder.

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THIS WEEK

MUSIO
Boston Opera Group — Bellini's 'I Puritani,' starring Joan Sutherland, Donnelly Memorial, Feb. 12, 8:30 p.m.

New England Conservatory — Poulenc's opera, 'Dialogues of the Carmelites,' first New England production, sung in English; Jordan Hall, Feb. 14 and 15, 8:30 p.m., tickets \$2.00, \$3.00, \$3.50, \$4.00.

Gardner Museum — Alfred Brendel, pianist, Feb. 16, 3:00 p.m., Liszt's Dante Sonata, Schubert's C minor Sonata, Beethoven's Hammerklavier Sonata.

Symphony Hall Organ Concert — Robert Town, Feb. 16, 6:00 p.m., music of Bach, Dupre, Suxthude, Alain, all seats \$1.50.

Louis Speyer — oboe and English horn recital, College Hall, Washington Park, Newtonville, Feb. 19, 8:15 p.m., free admission.

Folk and Jazz Concert — Nina Simone, Herbie Mann Sextet, Ron Ellan, the Moonshiners, Northeastern University Alumni Auditorium, Friday, Feb. 14, 8:00 p.m., tickets \$2.00.

Organ Concert — Tony Richardson, '64, Kresge, Feb. 13, 12:15 p.m.

New Christy Minstrels — Symphony Hall, Feb. 14, 8:30 p.m.

THEATRE

Loeb Drama Center — 'The Devil's Disciple' by G. B. Shaw, Feb. 11-15, Curtain at 8:30 p.m. Seats \$1.50 on weekdays and \$2.00 on weekends.

Pine Manor Junior College — 'Oedipus Rex', fourth film in foreign film series. Yeats translation, read by Stratford, Ontario, Shakespearean

Festival players, Feb. 13, free. Theatre Company of Boston — 'The Quare Fellow,' by Brendan Behan. Premier Feb. 12 thru March 1. Performances nightly except Monday at 8:30 p.m. Saturday will have two shows at 7 and 9:45. A matinee is slated for Thursday at 3 p.m. 20% discount for students on weekday performances including Thursday mat. Tickets now available.

Charles Playhouse — 'Man and Superman' by G. B. Shaw. Opens Feb. 5 for five weeks. Tickets now available at box office.

MISCELLANEOUS
Hayden Gallery — Paintings of Bal- thasar Klossowski de Rola, director of the French Academy in Rome, through March 2.

Boston Public Library — outstanding current exhibits include the New England Book Show, Concepts of Outer Space, and prints by Corot, Jacques, Daubigny, and Millet.

American Institute of Graphic Arts — 'Singapore to Istanbul: Printing Design and Production from Seven Countries,' lobby of Building 7, through Feb. 14.

Museum of Science — 'Eyes and Ears Toward Space,' Hayden Planetarium, through April 5.

Museum of Fine Arts — current exhibits include 'Surrealist and Fantastic Art,' Kokoschka lithographs, and 'Twentieth Century Painting: Recent Acquisitions.'

NEXT WEEK
Brothers Four — informal concert in Armory, Feb. 22, 8:30 p.m., sponsored by the classes of '65 and '66. Tickets \$2.75, \$5.00 discount for juniors and sophomores.

Boston Opera Group — 'Madame Butterfly,' Donnelly Memorial, Feb. 21, 8:30 p.m.

Tony Saletan — Jordan Hall Children's Concert, Feb. 22, 2:30 p.m.

Boston University Theatre — 'Susan-nah,' musical drama, Feb. 20, 21, and 22, BU theatre, 264 Huntington Ave., 8:30 p.m.

American Festival Ballet — John Hancock Hall, Feb. 23, 8:00 p.m.

Mazowiec Polish Dance Company — Boston Garden, Feb. 25, 8:30 p.m.

BSO Concert

Boston Symphony Orchestra — concerts, Feb. 14 and 16, Erich Leinsdorf, Musical Director, Rudolf Serkin, guest pianist; Rossini's Overture to 'Il Signor Bruschino,' excerpts from Wagner's 'Die Walkure,' and 'Siegfried,' Mozart's Piano Concerto, K. 459.

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movie schedule

Wednesday, February 12, through Tuesday, February 19 (Unless otherwise stated the Sunday schedule is the same as the weekday schedule except that no movies are shown before 1:00 p.m.)

ASTOR — 'Seven Days in May,' starts Friday, no times available.

BEACON HILL — 'Tom Jones,' 10:15, 12:30, 2:45, 5:00, 7:15, 9:30; Sun., 1:00, 3:10, 5:20, 7:30, 9:40.

BOSTON CINERAMA — 'It's a Mad, Mad, Mad, Mad World,' evenings at 8:00, Sun. evenings 7:30, matinees Wed., Sat. & Sun. at 2:00.

BRATTLE — 'The Sound of Trumpets,' weekdays 5:30, 7:30, 9:30, Sat. and Sun. also at 3:30.

CAPRI — 'The Doll,' Mon.-Sat. 10, 12, 2, 4, 6, 8, 10, Sun. 1:30, 3:30, 5:30, 7:30, 9:30.

CINEMA — 'The Prize,' weekdays except Thurs. 1:55, 7:00, 9:30, Thurs. 1:00, 4:00, 7:30, 9:30, Sat and Sun. 1:45, 4:25, 7:00, 9:30.

EXETER — 'The Easy Life,' 2:00, 3:50, 5:40, 7:30, 9:20.

GARY — 'Cleopatra,' Sun. evenings at 7:30; other evenings at 8:00 matinees Wed., Sat., & Sun. at 2:00.

HARVARD SQUARE — Feb. 12-15, 'Four for Texas,' 1:15, 5:55, 9:25, and 'Five Miles to Midnight,' 3:20, 7:30; Feb. 16-18, 'Who's Minding the Store,' 1:45, 5:40, 9:30, and 'Gunfight at the OK Corral,' 3:30, 7:25.

KEITH MEMORIAL — 'The Charade,' 9:30, 11:50, 2:15, 4:40, 7:00, 9:30; Sun., 1:00, 3:20, 5:40, 8:00, 10:00.

LOEW'S ORPHEUM — 'Sunday in New York,' 10:10, 12:05, 2:05, 4:05, 6:00, 7:55, 9:55, Sun. 1:25, 3:20, 5:15, 7:10, 9:10.

MAYFLOWER — through Feb. 17 — 'Move Over, Darling,' 11:15, 2:40, 6:00, 9:20, Sun. 2:35, 6:00, 7:20, and 'Of Love and Desire,' 9:40, 1:00, 4:25, 7:45, Sun. 1:00, 4:20, 7:45.

MUSIC HALL — starting Friday, Walt Disney's 'Merlin Jones,' no times available.

PARAMOUNT — 'Dead Ringer,' starring Bette Davis, at 9:30, 11:55, 2:15, 4:45, 7:05, 9:30, Sun. at 1:30, 4:00, 6:30, 9:00.

PARK SQUARE CINEMA — Feb. 12-13, 'Move over Darling,' 1:30, 3:35, 5:45, 7:50, 10:00; Feb. 14-18, 'To Bed or Not To Bed,' no times available.

SAXON — 'The Cardinal,' evenings 8:30, matinees Mon.-Fri., 2:00, Sat.-Sun., 2:00, 5:00.

UPTOWN — 'The Lady Killers,' 11:00, 2:35, 6:15, 9:50, Sun. 3:05, 6:35, 10:10; and 'Great Expectations,' at 12:30, 4:05, 7:45, Sun. 1:00, 4:30, 8:05.

CHARLES PLAYHOUSE — 'Man and Superman,' Tues.-Fri. 8:30, Sat. 5:30 and 9:30, Sun. 3:00 and 7:30, tickets \$2.40 to \$3.95.

COLONIAL — 'High Spirits,' new musical comedy by Noel Coward, Tues. eves. at 8:00, other eves. except Sun. 8:30, mats. Thurs. 2:15, Sat. 2:30.

Hotel Bostonian Playhouse — 'The Quare Fellow,' by Brendan Behan,

Wed. 7:30, Sat. 7:00 and 9:30, other eves, except Mon. 8:30, mat. Thurs. 3:00.

IMAGE — 'The Underpants' evenings except Mon and Tues, 8:30; Sat. 7:00, 9:30.

SHUBERT — 'A Funny Thing Happened on the Way to the Forum,' eves except Sun. 8:30, mats. Thurs. 2:15 and Sat. 2:30.

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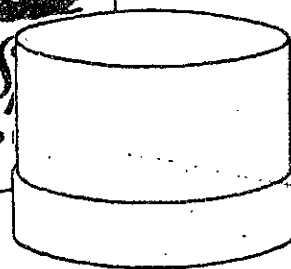
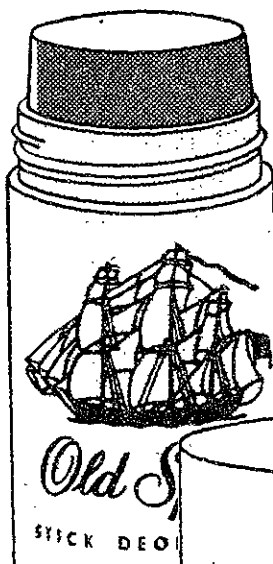
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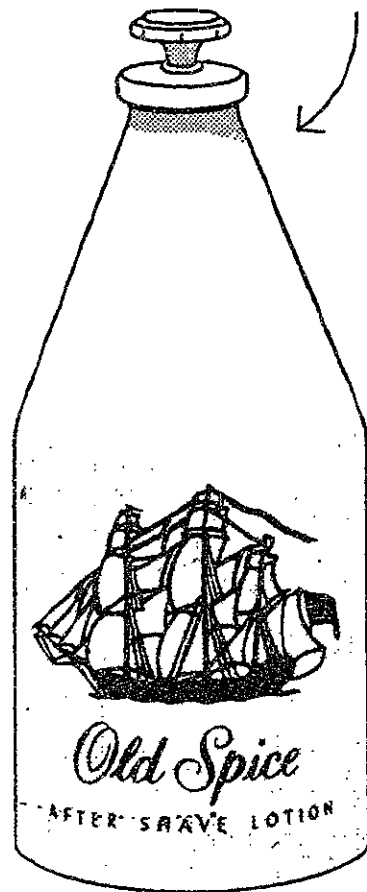
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Anti-missile laser predicted

According to Nicolaas Bloembergen, Professor of Applied Physics, research at MIT Lincoln Laboratories could result in the development of lasers useful as anti-missile weapons.

Lasers have already found application in such diverse fields as surgery and metallurgy. They have also been used to bond loose retinas in eyes.

Currently available models of

lasers are two to three orders of magnitude too weak to be useful against enemy missiles. Laser beams are also readily attenuated by dense clouds.

Professor Bloembergen said that a useful system could be developed in five to ten years and would cost in the vicinity of one

billion dollars. He also said that increasing powers of lasers is only a matter of the engineering involved.

Government interest in lasers is attested to by its investment of about \$30 million a year in associated research.

Prof. Emeritus Thompson dies

Professor Emeritus Maurice de-Kay Thompson '98, who taught for 40 years at MIT, passed away recently in Mount Kisco, New York.

Professor Thompson was a noted electrochemist, having many

publications to his credit. His most widely-known was the book *Theoretical and Applied Electrochemistry*, which went through several editions.

He received a doctorate from the University of Basel in Switzerland in 1903.

ACTIVITIES MIDWAY February 21

MANY COMPANIES ALLOW INSIDE ADVANCEMENT IN MANAGEMENT



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INTERVIEWS — FEB. 20

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Sanders tests weather forecasting

Results of a mathematical scoring system used in weather forecasting derbies at MIT's Department of Meteorology indicate that the accuracy of weather forecasts can be checked in a manner eliminating gamesmanship aimed only at beating the system.

MIT's Dr. Frederick Sanders reported the scoring results before a forecast verification symposium that was part of an American Meteorological Association meeting at the University of California at Los Angeles on January 30.

Dr. Sanders said the scoring system, based on one worked out by a U.S. Weather Bureau meteorologist, Dr. Glenn W. Brier, appears to reward meteorological skill and penalize ambiguity, trickery, luck and human stubbornness.

The Brier score calls for forecasters to make "probability" forecasts; that is, they add to their forecast a numerical probability describing their degree of certainty. Ordinary predictions that do not contain probability expressions are called "categorical" forecasts.

Almost all checking systems share the common defect of playability, giving a maximum score at the expense of the forecast.

The Brier scoring system, as shown by testing at MIT, appears to be an exception, according to Dr. Sanders.

MIT meteorology faculty and students, using all available scientific data, make probability forecasts about rain and temperature in the Boston area. They are asked to predict if there will be more than .01 inches of precipitation and if the temperature will fall below the seasonal norm. Each day they make forecasts for four 24-hour periods extending into the future. Thus, each forecaster gets four chances to predict weather for any 24-hour period — once from four days away, once from three days, once from two days, and once from one day.

The forecasters compete against the climatological norm. For every geographical area there is a known probability for rain and below normal temperatures. Participants are graded on how much better they do than the Brier score computed on the climatological norm.

Dr. Sanders said the Brier score provides a measure of skill in two aspects of subjective forecasting — in sorting forecasts into categories of likelihood of occurrence and labelling the categories with a probability of occurrence.

CAMPUS INTERVIEWS

February 24, 1964

ENGINEERING SCIENCES

All Degree Levels

- Electronics
- Mechanical
- Industrial
- Engineering Physics
- Mathematics
- Statistics

RESEARCH and DEVELOPMENT

- Computer Technology
 - Hardware Design
 - Software Research
- Communications Systems
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 - Complex Design

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appointment with an NSA representative.
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Unlimited signouts for 'Cliffie sophs

Unlimited sign-out privileges have been extended to Radcliffe sophomores as a result of a college-wide referendum taken there last week. Ratio of the vote was about 5:4 in favor of the measure.

The referendum was in res-

ponse to a petition, signed by well over 100 students, who wished to over-rule the decision of the Radcliffe Government Association, a student-faculty group which had previously voted against the proposal.

Harvard Health Service denies leak

(Continued from Page 1)
appointed by the governor, "including a Harvard representative, shall be formed "to make an investigation and study relative to the use of methyl bromide."

The bill further specifies that an investigation shall be made into Mrs. Lamb's complaint against Harvard. The committee is to make its report and recommendations by December.

Harvard Bridge sidewalk repairs will cost \$431,000, says MDC; Somerville firm receives contract

The Builders Iron Works of Somerville was low bidder for repairs on Harvard Bridge, Metropolitan District Commissioner Robert F. Murphy announced recently.

Previously bids had been rejected because they were all well above the figure the MDC was willing to pay, according to Ben-

jamin Fine, Chief Engineer for the commission. The bids, said Fine, were high due to the weather conditions under which the work would be carried out.

The bridge will not be closed down during the repairs, which will cost \$431,450, and will primarily concern sidewalks.

UAP petitions ready; hopefuls meet Friday

Candidates for any of the class offices or for Undergraduate Association President may now pick up their petition forms in Litchfield Lounge.

Petitions are due Friday, Feb-

ruary 21, and the elections will be held on Wednesday, March 4. There will be a short meeting for all candidates for all offices in Litchfield Lounge at 5:00 p.m., Friday, February 14.

About 50 organizations to have Midway exhibits

The Activities Midway for the Spring Term will be held on Friday, February 21, in 50-340, beginning at 7:30 p.m.

Sponsored by the Activities Council, the Midway will consist of exhibits by the various extracurricular groups on campus to acquaint students with their activities. At least 50 organizations, including sport and hobby groups, will be represented.

"Freshmen and sophomores are especially urged to attend," according to Terry Chandler, in charge of the Midway. "The intense scholastic atmosphere which surrounds MIT makes it even more important to have an activity outside your classwork," he continued.

Upperclassmen and faculty members are also invited to attend.

Award nominations begin

The nomination of candidates for Activities Development Board Awards began Monday according to Professor H. H. Woodson, faculty chairman of the student-faculty committee. Nomination forms have been sent to living groups and activities. Extra forms are available in Room 50-110. The completed forms must be returned to Room 50-110 by March 6.

The ADB Activities Awards, to be presented at the Spring Awards Convocation, will recognize outstanding student contributions to extracurricular activities in three categories: at the membership level; at the leadership level; or by an entire activity.

Nominations may be made by any member of the MIT community.

Selection of award recipients will be made by Professors Robley Evans, Herbert H. Woodson, and Frederick McGarry of the Activities Development Board, and other distinguished faculty members.

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Beginning course in modern drama will be offered, starting Tuesday

By Mark Rackman
Gus Solomons, Jr. '60, has been engaged to teach a special course for beginners in modern dance and stage movement at MIT, according to Joseph Everingham, MIT Director of Drama. The course of twelve classes is to be taught weekly beginning Tuesday, February 18, from 7:30 to 9:00 p.m. in the fencing room of the DuPont Athletic Center. It is primarily for and open to all MIT students, but will also be available to all other members of the MIT community.

Mr. Solomons, while in college, was an active member of Drama-shop and will be remembered in

the starring role of Othello in 1960. Earlier, he appeared as Face in Jonson's "The Alchemist" and as Clot in Samuel Beckett's "Endgame". He also choreographed and appeared as star actor and leading dancer in four successful Tech Shows during his MIT career.

The fee for the course is \$15, which may be paid in advance by check to the Drama Office, Kresge Auditorium, or at the equipment window of DuPont on the evening of the first class. Interested persons are requested to notify the Drama Office in advance.

Eagleson all-time scorer

Tech five beats Stevens, Bklyn. Poly

(Continued from Page 20)
fully try to close the gap. High scorers for the game were sophomore Jack Mazola with 21 points and teammate Jack Moter had 18 points. Big Bill Eagleson cornered the market on rebounds, clearing 16 off the boards.

Flick starts at Stevens
After a break for finals, the Cagers travelled to Stevens Tech in Hoboken to start their intercession trip. Sophomore John Flick started in this contest replacing Mazola, who was ill. The game was close until late in the

first half when a Tech spurt broke the game open. Flick and Grady hit for 12 and 10 points respectively, in the first half. Tech won, 76-65. High scorer for the game was Eagleson with 23 as all Tech starters hit double figures. Don Baxter was high for Stevens with 17 points.

Grady, Mazola foul out

The first loss of the trip was handed the hoopmen by N.C.E. Suffering from foul troubles and Newark's hot field goal percentage, MIT trailed 38-24 at the half. Trying to come back, Tech got to within two points with a minute and a half to play. But the loss of backcourt men Grady and Mazola on fouls was too great a hindrance, and N.C.E. won 73-68. High scorers for the game were Eagleson and Grady with 24 and 21 points each. Dick Wilkins led N.C.E. with 16 points.

MIT routs Brooklyn

Brooklyn Polytech was the final opponent the MIT cagers faced on their four-day trip. The game proved to be a rout with all Tech players seeing action in the game. The halftime score was 47-17 in favor of Tech and the final score was 89-51. Scorers in double figures for MIT were Eagleson with 21 points and juniors Grady, George McQuilken, and Jim Larsen with 18, 13, and 11 points respectively.

Eagleson breaks Koch mark

With the completion of the trip to the Greater New York area, the team is prepared to finish out the season. The big man on the squad is senior co-captain Bill Eagleson. Before the trip, he needed 22 points to break Dave Koch's career scoring record. Having scored 68 points in the three games this puts Billy within eight points of the 1000 point mark and above Koch's record total. Billy's 15.6 average of rebounds per game is as valuable an asset as his scoring.

The next home game is Wednesday, February 12, against Bowdoin. Game time is 8:15 p.m. at Rockwell Cage.

MIT is reported as major undergraduate source of students who earn graduate science degrees

By Stephen Portnoy
From 1920-1961 among all schools MIT was the undergraduate source of the greatest number of students who went on to earn their doctorate in physical science.

This and additional information concerning the production of doctorates and graduates who eventually earn their doctorate has recently been published in a report by the Joint Office or Institutional Research for the Association of State Universities and Land-Grant Colleges.

The report shows that, in general, there is a growing tendency for state and land-grant institutions to grant doctorates and baccalaureates to students going on for their doctorate. MIT, a land-grant institution, figures prominently in the statistics.

Out of the 20 leading doctorate

producing institutions, MIT ranked 20th, granting 57 degrees, from 1955-1959; and it ranked 16th, granting 416 degrees, from 1960-1961.

Over the period from 1920 to 1961, MIT ranked 15th overall; and in terms of the baccalaureate sources of doctorates it ranked 16th, graduating 1530 students who eventually earned doctorates.

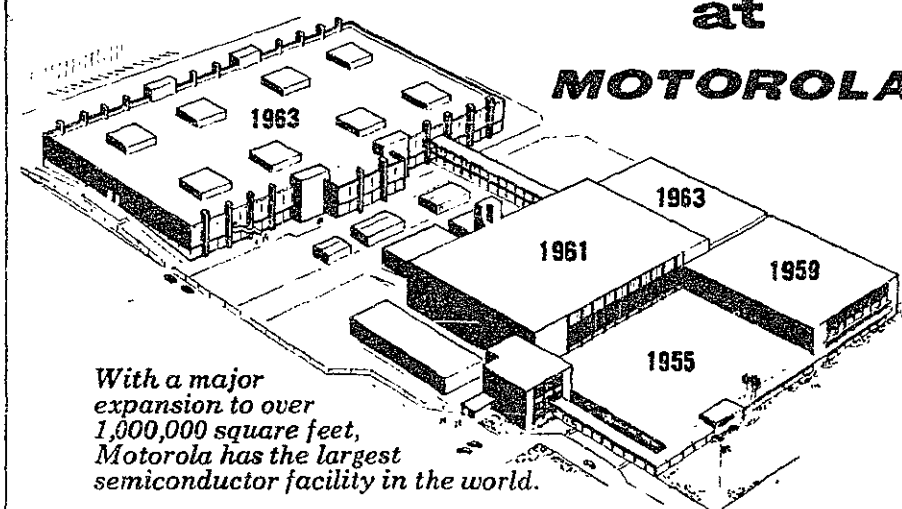
Statistics concerning the second largest sources of doctoral candidates at each of the leading universities were also presented. Although MIT did not appear in this list, Harvard was listed as providing the second largest baccalaureate source of doctoral candidates at MIT.

MIT's strongest position is as a producer of doctorates in the physical sciences. In an analysis of the educational background of American Physical Society Fellows in 1962, schools were ranked according to the number of Fellows who received their doctorate there.

MIT ranked second, tied with the University of California and behind the University of Chicago.

ACTIVITIES MIDWAY February 21

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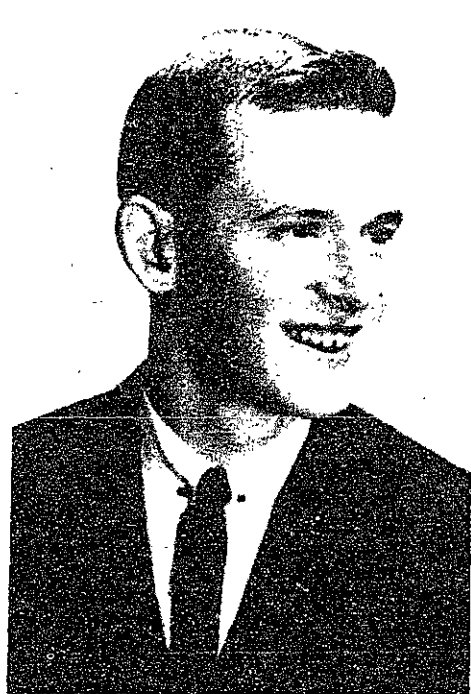
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Always, through the years, The Coop has desired to serve the student body as fully and as capably as possible within the scope of its intended purpose. One of the closest and best of its established contacts with students has always been the student directors and The Coop wishes to acknowledge the able assistance of the men who, this year, are serving in this capacity.

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Food vending machines challenged by ingenuity of scheming Techmen

The never-ending struggle between man and machine, in this case between Techman and vending machine, has caused the skills of both to reach unprecedented levels. Many students have taken the presence of vending machines as a challenge to their ingenuity and have gone to extremes to empty the mechanical dispensers of food.

The nine vending companies represented on campus have tried to foil the efforts of these students and at the same time to provide service for those who wish to pay for it.

Among student complaints against the vending machines are: high prices, lack of selection, and poor food.

The vending machine companies base their prices on the fact that the machines must be filled at least once or even twice daily and serviced when they break down. The sandwich machines, probably the most expensive to buy food from, are completely emptied and refilled with fresh sandwiches every day.

The soft drink machines, except for those dispensing bottles, use flavoring syrups which must be purchased at the market price, thus doubling the cost per unit volume of the beverage.

According to Jay L. Marden, Director of Auxiliary Services, Institute rules require that all installations with the exception of those dispensing bottles, must be located in the basement.

The vendors normally employ the principle of least cost instead of customer satisfaction in the selection of their offering, although they do consider sales volume when filling the machines.

On the other side of the world

India debates choice of national tongue

One of the most vehemently argued questions in India today concerns which of the many local dialects should be declared the national tongue.

It is not as easy a question to resolve as one might think, for among over 200 localized variants, there are about 20 different widely spoken languages in India's own small Tower of Babel. Even the alphabet of Bengali (Calcutta) is different from that of Hindi (New Delhi) or of Marathi (Bombay).

It often happens that the only way businessmen from India's two most industrialized cities, Calcutta and Bombay, can communicate is through the medium of English.

English today is the language of the educated, the upper classes, and the businessmen. The most widely distributed newspapers in India are written in English. Collegiate and higher-level education is almost completely given through English, simply because the most readily available textbooks and literature are English ones.

Yet only a very small percentage of India's population understands this foreign tongue, the language of its former colonial rulers. Emotional involvement with national identification and freedom from the British virtually precludes the formal establishment of English as the standard. Another reason is that most Indians can learn another Indian language faster than English.

There is a great deal of talk in the central government of establishing Hindi as the national language, as it is not only one of the most widely spoken ones, but also the native tongue of the New Delhi region.

But opposition is very severe. The Dravidian South of India is linguistically and racially very different from the Aryan North, and anti-Hindi sentiment is so strong there that a southern political party, the DMK, threatens to support southern secession from the union (where have we heard this before?) if the Hindi issue is forced.

Despite the great number of modern words in other languages that have yet to be created in Hindi, according to the Vice-Chancellor of Delhi University, India will probably see a phasing out of English in its favor.

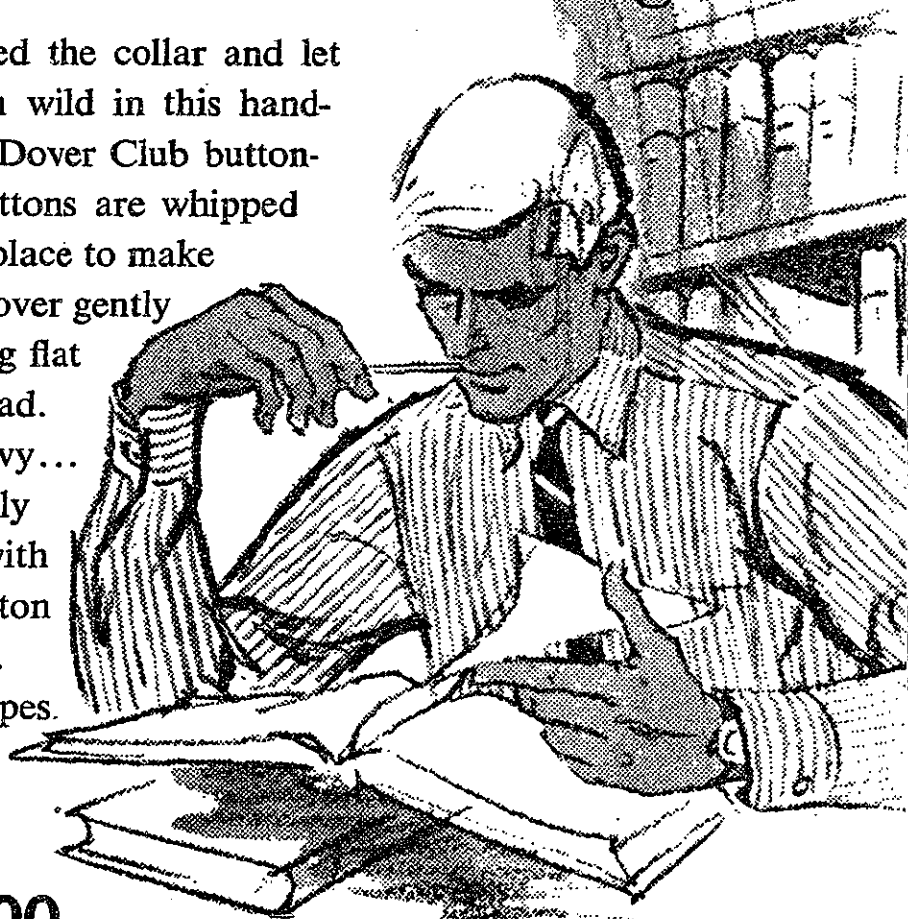
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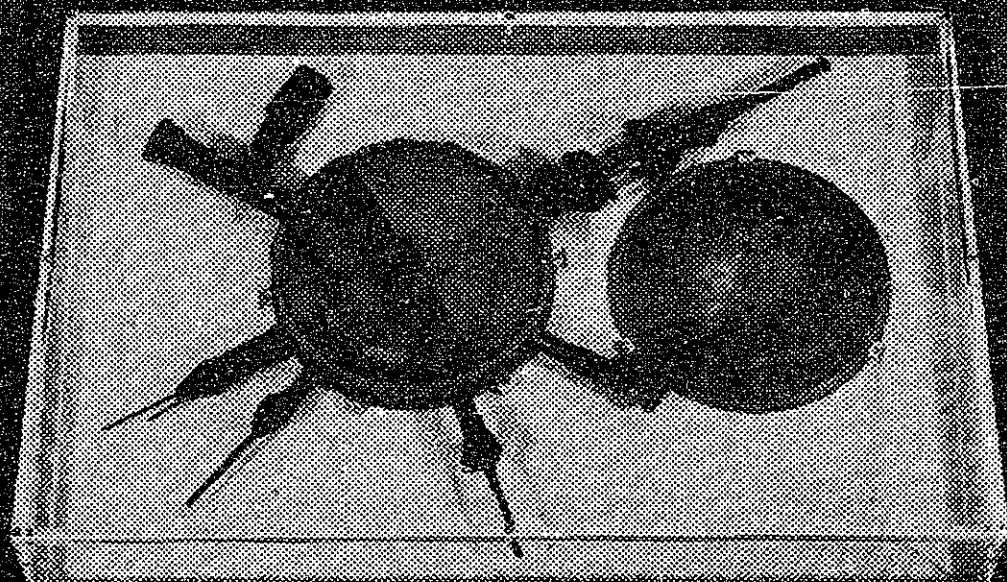
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MUSEUM PIECE



This cyclotron was built and operating by the fall of 1930 and reported at the Washington April Meeting (Phys. Rev. 37, 1707, 1931). The diameter of the chamber was about 5 inches. Placed between the 4-inch diameter poles of a magnet with a field of 12,700 gauss and 2,000 volts on its single dee, it produced 80,000 volt hydrogen molecule ions trapped and measured in a Faraday cage to which a measured and adequate decelerating voltage could be applied.

The do-it-yourself-with-sealing-wax days are gone from cyclotron technology forever. The tiny instrument invented by Dr. Ernest O. Lawrence at Berkeley in 1930 has been superseded many times by increasingly larger and more powerful instruments of nuclear research.

Today the business of discovery is carried on by 3200 people at the Berkeley site of Lawrence Radiation Laboratory, overlooking the University of California campus and San Francisco Bay. And the challenge of innovation remains for engineers—in advanced accelerator design and in a dynamic unclassified research program.

EE's: Major electronics development programs at LRL deal with nuclear instrumentation, automated data handling and acquisition, radio frequency and high voltage power supply systems, fast-counting techniques and semiconductor device development.

ME's: Our Mechanical Engineering work concentrates on design of accelerators and the instrumentation associated with them, on magnet development, high vacuum systems, shielding problems and mechanical engineering applied to biomedical research.

Engineering graduates at all levels who want to learn more about LRL should contact the Placement Office for appointments. Campus interviews will be held on

Wednesday, February 19
and
Thursday, February 20



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SCEP tutoring program provides upperclass assistance for frosh

The SCEP tutoring system for freshmen has been functioning effectively since its introduction last fall, according to Mike Oliver '65, chairman of the subcommittee which organized the program. Freshmen have received help in 3.01, 18.01, and 5.01 through upperclass and graduate students recruited from among the living groups.

Intended to supplement the quiz review sessions and other tutoring systems already existing in the courses and living groups, SCEP has been providing immediate aid to freshmen as they request it.

The new tutoring program was first proposed last spring. Since fall, the subcommittee members (Bill Pekora '66, Doug Spreng '65, Judy Reisinger '66) have maintained close contact among the tutors themselves and have given reviews to notify them about the course material being covered.

Burton House and the fraternities have been especially cooperative, according to Oliver.



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College World

Big-time jacks comes to Vassar, may replace intercollegiate football

"These rules are very strict," the tournament chairman admitted, "but this is big-time jacks." Yes, big-time jacks has come even unto Vassar.

And the rules are very strict for the First Annual Noyes House Jacks Tournament. Among them are: "Pop jacks is out even if you catch the ball," and "You must pass foursie in one turn or you have to start over. (This applies to both fancies and babies.)"

The permissible fancies are "cherries in the basket, pigs in the pen, around the world, knock on wood, upsies, double ups, flying dutchman, slap cherry, slap cherry slap, and horses over the fence." And of course "Tensies must be bigger than your hand spread out."

(For the benefit of non-jacksters, "babies" is the first game, in which one throws the ball, picks up a certain number of jacks, and catches the ball—all with the same hand. A "fancy" is any more intricate variation of babies.)

"If the Noyes Tournament is successful," stated the chairman, "the next step would be an inter-collegiate event." It was hinted that jacks may even become the winter inter-collegiate replacement for Vassar touch football.

Two Points for MIT

If other colleges had their way, inter-collegiate football would become almost a certainty at MIT. Early last term a suggestion was made at the University of Chicago that an inter-collegiate football league be established with

(among other schools) Chicago, Caltech, and MIT. The Collegian of Wayne State University in Detroit takes another point of view.

The Collegian's assistant sports editor, Dan Hall, surveyed the physical fitness programs of five randomly chosen schools. "Massachusetts Institute of Technology," he reported, "has perhaps the most unique program of the five schools."

"MIT does not require students to take physical education classes, but does require that each student gain eight 'points' by the end of his sophomore year. There is a 'point schedule' listing the number of points a student may earn from intramurals, varsity athletics, classes, or individual athletics."

"Participation on the varsity football team, for example, is worth two points."

'Privileged Hours'

Beginning this term, undergraduate coeds, 21 or over, at the

State University of Iowa will have "privileged hours." Now, they need not return to their dorms before midnight during the week and before 1 am on Saturdays and Sundays.

The hours that were in effect last term were not reported.

Time Limit: 20 Minutes

In this first issue of The Tech for the new term, we leave you with a short puzzler (courtesy of Bob Smorodin of The Drexel Triangle) just in case you can't get back to studying.

Among these letters are the names of the fifty states. The names sometimes read forward—or at other times backward, up, down, or diagonally. Any letter may be used more than once. If it takes you more than twenty minutes to find all fifty names, you don't belong at Drexel. (If it takes you more than fifty minutes, your physics lecture has ended.)

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R E T S K C I K P L B V R S Y Z V E M A A W
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Ice men drop 11th straight; Merrimack wins tourney

By Richard Thurber

This past weekend the MIT ice men were host to Hamilton College, Merrimack College, and the University of Connecticut for the first annual MIT Round-Robin Hockey Tournament. The Thursday night games were rained out, but Friday Merrimack beat Connecticut 12-0 and then defeated Hamilton 6-3 Saturday to win the tournament. MIT lost to Hamilton 7-3 Friday night and to Connecticut 8-2 on Saturday.

During the week of January 12 the team dropped three more games. On the 15th they travelled to Amherst where they met with a 6-3 defeat, and here on the 17th and 18th they lost to Bowdoin 11-2 and to the University of Connecticut 6-3. The team record is now 0-11 for the season.

Amherst rally wins

At Amherst the Tech team got off to a good start and in the middle of the second period were leading 3-2. But they were unable to maintain their advantage as Amherst went on to score four more. Hank Newell '65 scored

two of Tech's goals and Pete Catto '66 added the third.

Friday night, January 17, the strong Bowdoin team took control of the puck on the opening face-off and rarely lost control. Catto and Loren Wood '66 managed to slip through the defense to score a goal each for MIT, however.

Newell scores 2 more

Saturday night, starters Catto and Tony Pasquale '66 were unable to play, but Newell again scored twice and Stu Colten '64 added a third. However, Connecticut sophomore Russ Hintz pushed in three himself and Connecticut went on to win by 6-3.

During the tournament this past Friday night, Hamilton wing Rad Piersall scored four times to lead his team to the 7-3 victory. Bob Purssell '66, Loren Wood '66, and Scott Blouin '65 each scored once for MIT. Saturday night Catto scored early to put MIT ahead 1-0, but Russ Hintz again came through with three tallies for Connecticut while his teammates added the other five. Wood for MIT scored the final goal of the game in the closing minutes.

Graduate Economics grabs IM basketball championship

By Bob Menzies

In the second of two games in the top bracket of the playoffs Grad Economics came through with a clutch 46-44 victory against Political Science, and became the I.M. Basketball champions.

Due to the fact that Political Science had lost a game during regular season play and Grad Economics had been unbeaten, the Economics team had to be beaten twice in the playoffs to be eliminated. Political Science went out in front to stay in the last quarter of the first game to win 52-47. Harper Keeler of Political Science led all scorers.

Poly Sci got off to an early lead in the second game, but Grad Economics refused to panic and fought back to tie the game. The lead changed hands frequently, and the outcome was unsure up to the final whistle. Jerry Behrman and Joe Fahey were the big scorers for the winning Economics team, while Jim Burns led all scorers with 19 points for the losers.

Burton House finished the regular season play undefeated but lost both their playoff games, first

to Economics, and next to Political Science. They still finished third in the playoffs, however, gaining the distinction of being the top undergraduate team. A fine Grad House team finished in fourth place, after losing to Poly Sci by eight points.

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campus interviews

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By Robert Klein
The wrestlers came up against unexpected strength on their annual intercession trip to New York, and dropped three of four meets. Coach Chassey was forced to shuffle the starting lineup for these meets because various varsity men were unable to make the journey.

In their last match before intercession on January 18, MIT faced an inspired Wesleyan squad which came from behind on the last match to win 18-15. Harold Hultgren '66 and Tim Connelly '66 pinned their opponents, and Bob Wells '64 won by decision. Captain Mike Williams '64 wrestled an excellent match, only to be drawn in the final seconds.

Kings Point smashes Tech
In their first match after exams

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the matmen came up against a much-improved Kings Point squad February 5. Forced to use three men with no varsity experience, MIT fell behind early and lost 22-5. Williams scored the only win for MIT and Marlin Whiteman '66 drew his opponent.

Brooklyn demolished
The next day the grapplers totally demolished Brooklyn Poly in a 32-0 shutout victory. Williams, Wells and John Butler '65 won by pins, and Connelly, Hultgren, Whiteman and Dick Nygren '66 scored decisions. Dick Tsien '65 won by forfeit.

The matmen came up against a much underrated University of Massachusetts squad and lost on the last match 18-14. Whiteman scored MIT's only pin while Hultgren, Williams and Wells won by decision. MIT led 14-8 with two matches remaining but lost these two on pins.

MIT's record now stands at four wins against five defeats with four matches remaining. All the remaining matches will be held at du Pont with the exception of the Springfield meet this Saturday.

Plebe hoopmen march to 3 more wins

By Charlie Willman
The freshman basketball team won three more games before the end of the semester to bring their winning streak to five in a row. The squad beat New Prep, Adelphi, and WPI to finish the first term with an 11-1 record.

Alex Wilson lead the team in all three games, scoring 29 points in the 77-53 victory over New Prep, 30 as Adelphi fell by a 90-62 count, and 23 in the WPI game, won by an 87-64 score. The three games were played in the Cage on the 17th, 18th, and 21st respectively.

Swimming
The frosh swimming team split in two home meets before the intercession. The mermen scored a 51-44 triumph over Bowdoin on Saturday, the 18th of January. The next Wednesday however, the Techmen met a strong Andover team and suffered a 78-17 drubbing. The Andover swimmers broke two of their own school records during the meet, and the only event taken by an MIT swimmer was the diving where Robert Zoble turned in a fine performance. The loss brought the squad's record to 5-3.

Squash
In squash, the frosh came through with their first victory of the season, but dropped another match to bring their record to 1-4. The racquet men shut out Tabor Academy by 7-0 at home January 18, after suffering a similar whitewashing at Andover January 15.

Hockey
The icemen played their best two periods of the season Saturday, January 18, staying even with the Thayer Academy squad

for two stanzas. But the Tech defense lapsed in the last period, and Thayer broke the 2-2 tie to win, 4-2. Bart Elmer, assisted by Steve Queeney and Pete Getting, tallied the first MIT goal, and Stu McLeod added an unassisted score in the second period to tie the count at that point.

Wrestling
The matmen ended their semester with a 19-11 loss at Wesleyan January 18. This brought the squad's record to 3-3.

Intramural hockey tourney starts as league titlists get set to clash

By Bob Pilon
Action in intramural hockey before the end of the term saw league titles decided in four of the six leagues.

Theta Delta Chi became the champion of the A League with a three win, one tie, no loss record, edging out Phi Gamma Delta by one point. Graduate House became the champion in the B League, edging out Senior House

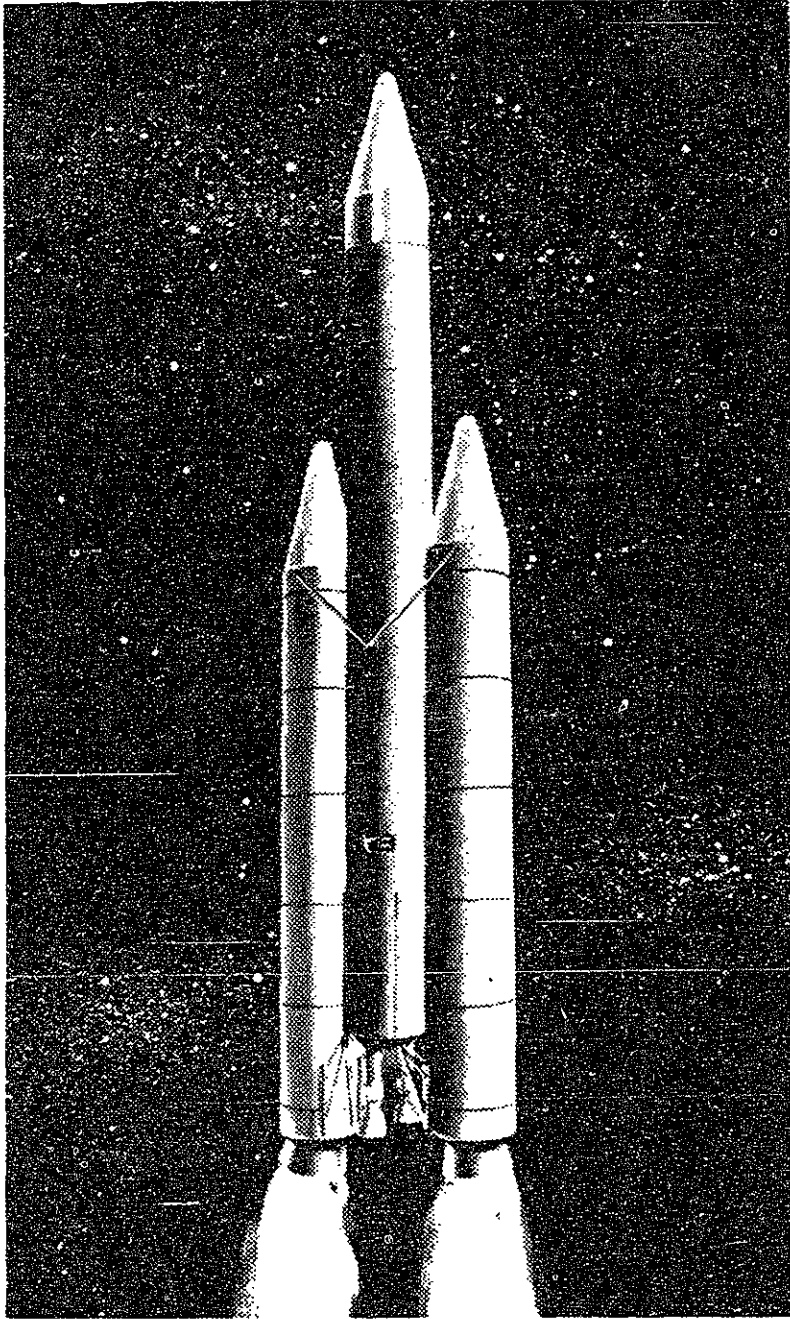
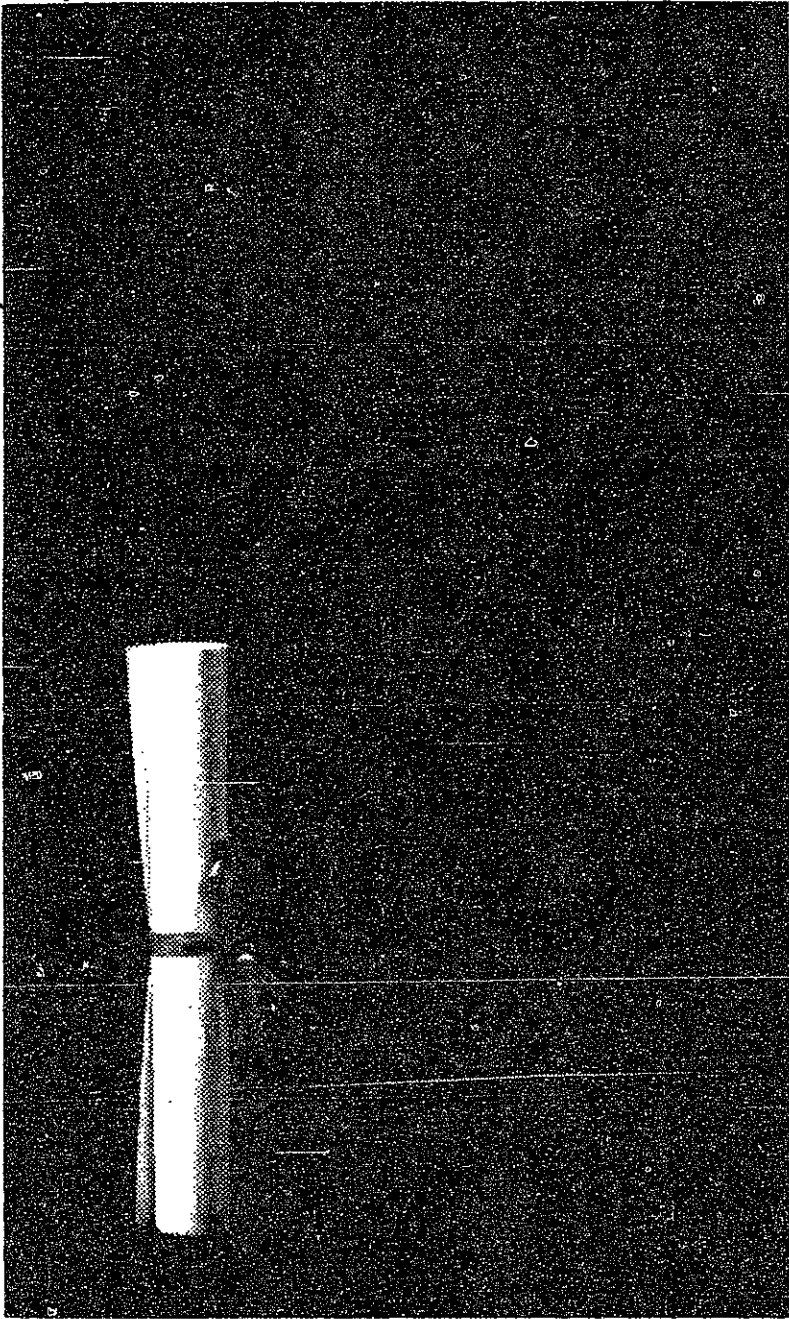
in points seven to six. The Beacon Street Athletic Club became the only undefeated, untied team in hockey by winning the D League with four wins. Sigma Nu won the F League title by downing Sigma Phi Epsilon 3-2 in a playoff for that league championship.

League Playoffs held
Playoffs for first place in the C and E leagues were held this week. Chi Phi and Zeta Beta Tau have identical three win, one loss records in the C league and met Monday night to decide the league championship. An elimination playoff Monday and Tuesday broke a three-way E league deadlock among Baker House, Delta Upsilon, and Phi Gamma Delta B.

Tourney this week
The actual post-season tournament began yesterday, with games Thursday and Sunday this week, and games Monday through Wednesday next week. Strong competition is expected, with Graduate House, Theta Delta Chi, the Fijis and Theta Chi all having good chances for the title.

The annual All-Star game will be played again this year after the finish of the tournament, with participants chosen on their play during the regular seasons and tournament.

IM HOCKEY STANDINGS				
A League				
Theta Delta Chi	W	T	L	Pt
Phi Gamma Delta "A"	3	1	0	7
Theta Chi	3	0	1	6
Non-Res. St. Assn.	2	1	1	5
Delta Psi	1	0	3	2
B League				
Graduate House	W	T	L	Pt
Senior House	3	1	0	7
Lambda Chi Alpha	3	0	1	6
Sigma Chi	1	2	1	4
Phi Mu Delta	0	2	2	2
C League				
Zeta Beta Tau	W	T	L	Pt
Chi Phi	3	0	1	6
Tau Epsilon Phi	3	0	1	6
Alpha Epsilon Pi	1	2	1	4
Phi Kappa Theta	1	1	2	3
D League				
Beacon St. A. C.	W	T	L	Pt
Burton House	4	0	0	8
Pi Lambda Phi	3	0	1	6
Phi Sigma Kappa	2	0	2	4
Kappa Sigma	1	0	3	2
E League				
Baker House	W	T	L	Pt
Delta Upsilon	3	0	1	6
Phi Gamma Delta "B"	3	0	1	6
Alpha Tau Omega	3	0	1	6
Sigma Alpha Mu	0	1	3	1
F League				
Sigma Nu	W	T	L	Pt
Sigma Phi Epsilon	2	0	1	4
East Campus	2	0	1	4
Phi Kappa Sigma	1	0	2	2
(Playoff to be held in E League; Sigma Nu won playoff in F League.)				



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Cagers 14-6 after Jaunt

By Dick Perron

Two victories in three contests on the intercession trip to the New York New Jersey area brought the MIT cagers' season record to 14-6. The Tech five started their winning trip by beating Stevens Tech 76-65 on Wednesday, February 5, but the following night saw them drop a tight game to Newark College of Engineering, 73-68. The hoopers closed out with a Saturday afternoon romp over Brooklyn Polytech, 89-51.

Before finals, the Beavers won two of three games with a heartbreaking 81-75 loss to a very strong Adelphi team on Saturday, January 18. The loss to Adelphi was sandwiched between a Friday night 70-59 win over Kings Point and a Tuesday 82-65 run away against W.P.I.

Rally beats Kings Pt.

In the Kings Point game, Tech suffered from foul problems and weak shooting in the first half, leaving Kings Point with a 31-25 half-time lead. In the second half the cagers surged ahead with senior co captain Jack Moter's 18 points and junior Bob Grady's 12 points. The two led the high scorers with 27 and 21 points respectively. Kings Point's Glenn McKay scored 19 to lead his team.

Adelphi sharpshooters win

Adelphi presented the hoopers with their toughest opposition of the season. The New York team brought a 10-3 record and high scoring Howie Gulker, averaging 27 points per game, to Rockwell Cage and came out the victor. After a surprisingly strong MIT spurt in the first few minutes, Adelphi took command about midway in the first half. Contributing to Adelphi's ten point, 44-34, half-time lead were Steve Mallis' 19 points and Gulker's 15. The second half saw a determined Beaver team close to within 8 points with five minutes left. Adelphi turned to an effective weave to run out the clock. In the closing seconds,

senior co captain Bill Eagleson tallied to bring Tech within six points but the buzzer sounded, leaving the final score 81-75. High scorer for the game was Adelphi's Gulker with 27 points, his average to date, followed by Eagleson's 26 and Mallis' 23 points. An interesting sidelight to the game was a half time exhibition game between the MIT Cheerleaders and some of the spectators. In addition, the game was taped for re-broadcast over WGBH-TV.

Recovering quickly from the loss to Adelphi, the Cagers ran away from W.P.I. by the score of 82-65. With no trouble at all, the Engineers grabbed an early lead to result in a 41-27 half-time score. The second half saw W.P.I. unsuccessful.

(Please turn to page 15)

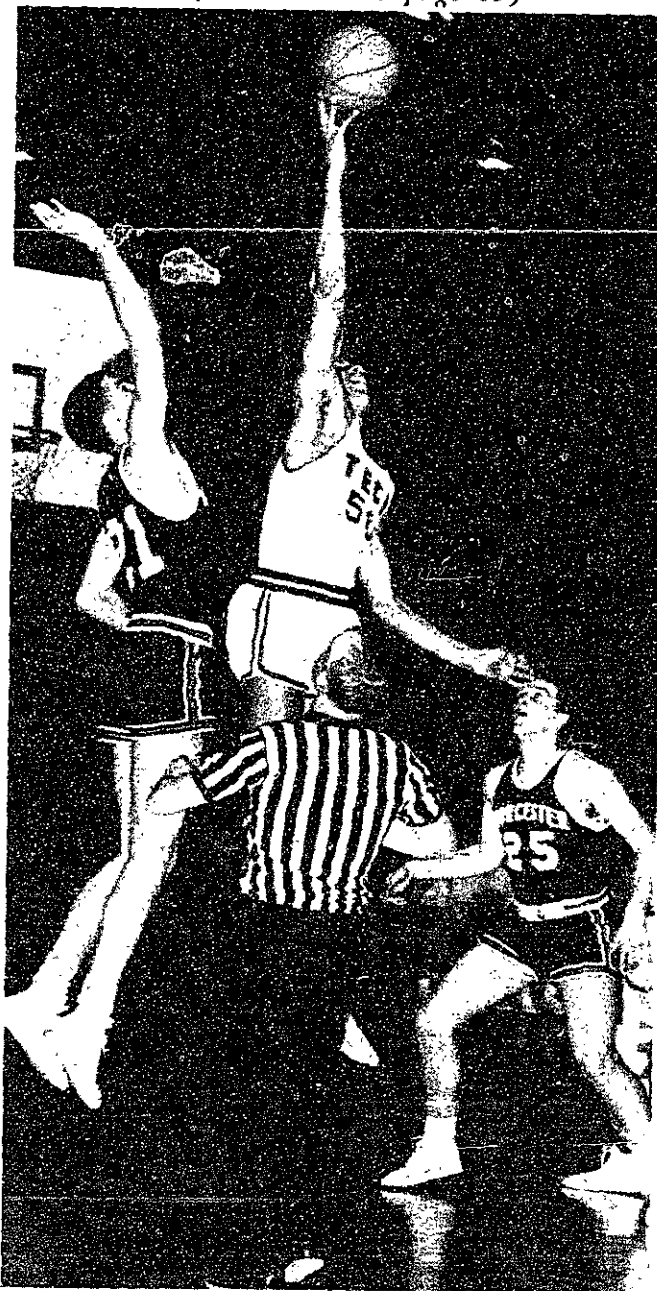


photo by Stephen Teicher
MIT co-captain Jack Moter reaches to control a jump ball against Worcester Polytechnic Institute. Tech romped over W.P.I., 82-65, in the cage January 21.

Fencers win twice, lose twice on road

By Herb Trachtenberg

The MIT fencers returned from their intercession road trip having won two of four meets, thus bringing their season record to 5-4. The Engineers beat Fordham and Brooklyn Poly, and were defeated by St. John's and Seton Hall.

MIT overcame Fordham 11-9 Tuesday night, February 4, in a meet plagued by technical difficulties. The foil bouts had to be judged by members of both teams when the electrical scoring equipment broke down. Tech's three foil victories in nine bouts were all won by senior Bob Levis. The epee squad won its first two bouts before the electrical equipment for that weapon also became inoperative, forcing cancellation of the remaining seven epee bouts. The sabre team paced by Ralph Zimmerman '64, who won all three of his bouts, took six of nine.

St. Johns routs MIT

In the meet against St. John's Wednesday afternoon, the fencers faced their toughest opponents of the road trip. St. John's foil squad won seven bouts to lead the Redmen to a 17-10 victory. The seven bout margin was MIT's worst defeat of the season. MIT's sabre team took five of its nine bouts, while Bill Debonite '65 scored the only three epee victories.

Rally beats Brooklyn

The following afternoon MIT got off to a slow start against Brooklyn Poly, losing five of the first six bouts. The epee squad then won three in a row, restoring MIT's hopes. However, after 15 bouts the Engineers found themselves behind 9-6. But epee men Debonite, Levis (who had fenced foil in the first two meets of the road trip), and Karl Kunz '66, came through with three more wins, to tie the team score at nine all. The sabre team continued with three more wins, and a foil victory by Mike Casseday '66 made the score 13-9. The next bout was taken by Brooklyn Poly. Foilman Al Stottlemeyer then took the 24th bout of the match, giving MIT its 14th victory and the meet. The final score was 15-12.

The Engineers went down to a 14-13 defeat at the hands of Seton Hall Friday. The contest was bitterly fought and close all the way. The MIT foil squad took four of its nine bouts, the sabre team took three, while the epee squad took five.

Pool record broken

Swimmers top Bowdoin, Bklyn.

The swimmers split their last four meets to bring their season record to 6-3. The victories came against Bowdoin here January 18, and against Brooklyn Polytech in New York Thursday, February 6. The squad fell to St. John's in New York, and to Amherst in a home meet last Saturday.

The squad started off their intercession trip with a tough 51-44 defeat at the hands of the Redmen of St. John's, but came back strong the next day to wallop Brooklyn Poly. In Saturday's home meet the swimmers faced a heavily favored Amherst squad, and lost as expected.

In the meet against Bowdoin, a Bowdoin swimmer cracked an MIT pool record as his team lost by 57-38. Robinson of Bowdoin set a record time of 1:55.1 in the 200-yard freestyle, then went on to win the 100-yard free in a quick time of 50.8.

Dick Breinlinger '66 gave MIT its initial first place in the Bowdoin meet by swimming the 50-yard freestyle in 24.4. Later Breinlinger gained a third in the 100-yard free, and swam the anchor leg for Tech's winning 400-yard freestyle relay quartet. Eric Jensen '64 gained three second places performing in the 200-yard indi-

vidual medley, the 200-yard backstroke, and the 500-yard freestyle. Cash Peacock '65 won the 200-yard breaststroke in 2:35, and Dick St. Peters '65 gained a second in the 200-yard free. Steve Snover '65 won the diving, while Will Huntington '65 took second.

The swimmers next face Trinity at home Saturday, Feb. 15.

Trackmen cop four firsts in MIT Invitational Meet

Tech's trackmen capped off a busy intercession schedule of track activity by capturing four firsts and four second place finishes in the MIT Invitational Meet held Saturday, February 8 at Tech's Rockwell Cage. The squad also entered a number of competitors in the earlier New England Amateur Athletic Union Championships held at the Cage Wednesday, February 5, and the Boston Athletic Association Meet staged in the Boston Garden February 1. In the last team meet before finals the trackmen lost an extremely close match to the visiting Columbia squad at the Cage January 18.

The MIT invitational Meet, an annual event for schools which have no regular indoor track teams, had visiting entrants from Wesleyan, Springfield, the University of Connecticut, W.P.I., Trinity and Amherst this year. Both varsity and freshmen athletes were able to compete and no team scores were kept.

Morash takes 1st of two

In the 45-yard high hurdles Ken Morash '65 took first place with a clocking of 6.1 seconds, while Brus Ressler '67 placed third. Rex Ross '66 grabbed first in the broad jump with a total distance of 22 feet 2 1/2 inches, and then took second in the 50-yard dash.

In the 35 pound weight throw Jim Kotancheck '64 placed second, followed by Jerry Dassel '64 in third place and David Osborne '67 in fifth. W.P.I. won the mile relay with a time of 3:38.0, just two seconds off the Cage record.

How They Did

Basketball

MIT 70—Kings Point 59
Adelphi 81—MIT 75
MIT 82—WPI 65
MIT 76—Stevens 65
Newark 73—MIT 68
MIT 89—Brooklyn Polytech 51
MIT (F) 77—New Prep 53
MIT (F) 90—Adelphi 62
MIT (F) 87—WPI 64

Fencing

MIT 11—Fordham 9
St. John's 17—MIT 10
MIT 15—Brooklyn Polytech 12
Seton Hall 14—MIT 13

Hockey

Amherst 6—MIT 3
Bowdoin 11—MIT 2
Connecticut 6—MIT 3
Hamilton 7—MIT 3
Connecticut 8—MIT 2
Thayer 4—MIT (F) 2

Swimming

MIT 57—Bowdoin 38
St. John's 51—MIT 44
MIT (F) 51—Bowdoin 44
Andover 78—MIT (F) 17

Track

MIT (F) 58—Columbia 51

Squash

Army 9—MIT 0
Andover 7—MIT (F) 0
MIT (F) 7—Tabor Academy 0

Wrestling

Wesleyan 18—MIT 15
King's Point 22—MIT 5
MIT 32—Brooklyn Polytech 0
Massachusetts 18—MIT 14
Wesleyan 19—MIT (F) 11

Medley team wins

In the low hurdles, Morash ran off with first place, Ressler took fourth and Tom Jones '66 placed fifth. Morash also took second place honors in the pole vault while Jones placed second in the high jump with a five foot ten inch effort. Tech's sprint medley relay team, composed of Harry Demetron '64, Dennis Sivers '66, Sumner Brown '66 and Ross, took first place in that event with a time of 3:48.7.

In Wednesday's NEAAU Meet, Ross took first in the dash and fifth place in the broad jump. Brown, holder of the MIT mile record, gained third place in that event, as Demetron snatched third in the 600-yard run.

Purves walks in 6th

Bill Purves '65, after just two weeks practice, placed sixth in the mile walk with a time of 8:01. This event is an entirely new one for Tech competitors. Al Tervalon '65 took fourth place in the hurdles, while Jim Flink '64 failed to place in that event and the dash. In the hotly contested pole vault event none of the three MIT entrants were able to place.

At the BAA Meet in the Garden, Ross placed fourth in the broad jump but failed to place in the dash. Dorschner and Morash represented MIT in the high hurdles but were unable to place against the strong competition. Sumner Brown placed fifth in the 880 and Demetron grabbed fifth in the college 440.

Lions inch out Beavers

In the meet which the Tech trackmen dropped to Columbia, January 18 at the Cage, the final 59-54 score fails to show the true closeness of the match. With only the mile relay remaining in the meet the score was tied 54-all. Columbia had to tie the Cage record in this event to top the Tech track squad by inches and emerge victorious over the Engineers.

Tervalon, Brown and Flink were Tech's key performers in the meet. Tervalon swept firsts in the 45-yard high and low hurdles, while Brown captured first in both the 100-yard and one mile runs. Flink added important points by winning the dash, finishing second in the low hurdles, third in the high hurdles and third in the low hurdles went to Terry Dorschner '65, giving MIT a sweep in these events.

Morash vaults 12'6"

In the field events Morash vaulted over the bar at twelve feet six inches, his highest mark, to take second in the event while Mike Keehner '65 finished third, Ross again took first in the broad jump and finished third in the dash.

The next big activity for Tech's track team will be Greater Boston Championships on February 14 and 15 at Northeastern.

On Deck

Today, February 12

Basketball (V)—Bowdoin, Home, 8:15 pm
Basketball (JV)—Bentley, Home, 6:30 pm
Fencing (V)—Harvard, Home, 7:00 pm
Hockey (F)—Lawrence Academy, Home, 4:00 pm
Squash (F)—Middlesex School, Away, 3:00 pm

Thursday, February 13

Hockey (F)—Middlesex School, Away, 3:30 pm

Friday, February 14

Basketball (JV)—Wentworth, Away, 7:00 pm
Hockey (V)—W.P.I., Away, 5:30 pm
Rifle (V)—Boston University, Home
Squash (V)—Princeton, Home, 7:00 pm
Track (V&F)—Greater Boston Championships, Northeastern

Saturday, February 15

Hockey (V)—Wesleyan, Home, 5:00 pm
Hockey (F)—Portsmouth Priory School, Home, 2:00 pm
Pistol (V)—National Intercollegiate Sectionals, Coast Guard
Skiing (V)—Maine Carnival
Skiing (V)—Harvard Invitational
Squash (F)—Portsmouth Priory School, Away, 2:00 pm
Swimming (V)—Trinity, Home, 3:30 pm
Swimming (F)—Trinity, Home, 3:30 pm
Wrestling (V)—Springfield, Away, 2:00 pm
Wrestling (F)—Springfield, Away, 2:00 pm

Tuesday, February 18

Basketball (V)—New Hampshire, Away, 8:15 pm
Basketball (F)—New Hampshire, Away, 6:15 pm
Track (V)—Brandeis, Home, 7:00 pm
Wrestling (JV)—Rhode Island, Home, 4:15 pm

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