

Inner Belt furor continues

By Mark Bolotin

About 1500 Cambridge and Somerville residents demonstrated on Boston Common Saturday to protest the proposed Inner Belt route along Brookline and Elm Streets.

March on State House

The demonstrators marched from the Common to the State House, where their leaders hoped to enter the State House to present a brochure, 'VI Speak,' to Governor John A. Volpe. However, Capitol Police Chief Doherty refused to open the gates to the building on the grounds that the "building is officially closed weekends."

Although his keeping the gates closed prevented Mayor Daniel J. Hayes of Cambridge and Rev. Paul McManus of St. Mary's Church in Cambridge from entering, Doherty accepted their brochure and petitions with the signatures of 1000 persons and assured the demonstrators that they would be forwarded to the governor.

'VI Speak'

'VI Speak' is a collection of prose essays and photography, containing the commentary of six Cambridge families to illustrate the hardships faced by those whose homes are being threatened by the proposed Brookline-Elm route for the Inner Belt. The brochure was published by the Cambridge Civic Association.

Among those addressing the crowd were many clergymen, all of whom called upon the people to continue their battle against the state Department of Public Works and its proposed Inner Belt route.

Mayor Hayes speaks

Mayor Hayes noted that the fight against the Inner Belt has caused different factions in the city of Cambridge to unite against a common enemy. He was pleased by the fact that support for the battle against the Belt has been growing in Boston and Roxbury.

United States Representative Thomas P. O'Neill, Jr. of Cambridge expressed the hope that the Inner Belt had been blocked for two or three years and added that he felt "Brookline-Elm is dead."

Restudy ordered

His hopes were based on the restudies of the route for the Belt which had been ordered by Governor Volpe October 5. The United States Bureau of Public Roads in Washington has returned documents pertaining to the Belt to the DPW. Governor Volpe had asked the BPR to suspend any decision on the choice of a route through Cambridge until the DPW could make a restudy "beginning from scratch" of the Brookline-Elm Street route and various al-

Prom entertainment to be named Friday

By Gerry Banner

The entire slate of Junior Prom '67 entertainment will be released Friday in The Tech. The announcement was to be made today, but final contract arrangements had not been completed as of press time.

However, part of the November 11-12 weekend has been implied in one of the JP posters, and it has been confirmed by Committee members that "The Fantasticks" will be performed by the touring cast Saturday afternoon, November 12.

All but final plans have been completed and this year's Junior Prom promises to be one of the best ever, according to the Committee.

Entries for the title of Junior Prom Queen will be accepted October 24 and 25 in the Inscomm Office, W20-401.

ternatives drawn up by a Cambridge citizens committee.

18 year fight

O'Neill added, "As of tomorrow, this thing is back where it was in 1948 . . . thank God we don't have to go through this for another 18 years." Eighteen years ago, the Inner Belt was included in the master plan drawn up for a state highway system. Last March, Governor Volpe said the Inner Belt was a "missing link" and had to be constructed.

Memorial Drive route

Although O'Neill commented that "there seems to be a lot of talk about a Memorial Drive route," several Cambridge city

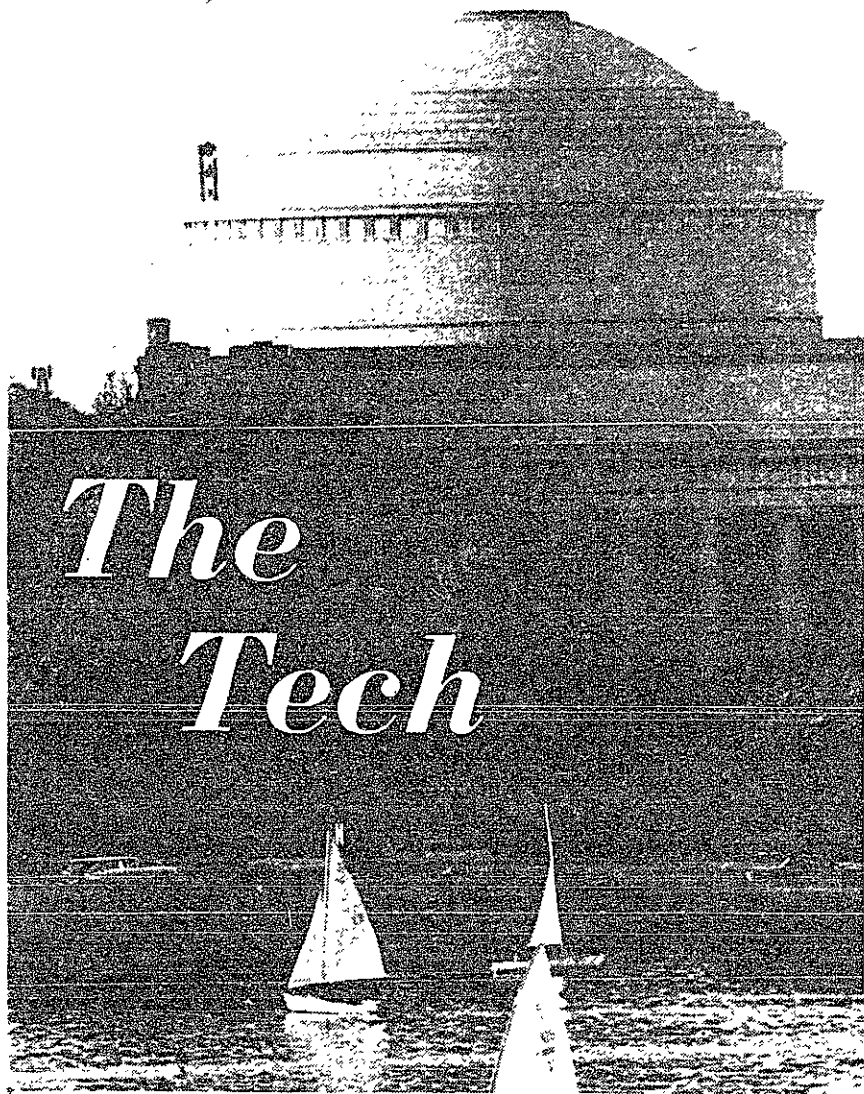
councilmen indicated that the fight would continue to be against "any and all Belt routes through Cambridge." Former Cambridge Mayor Edward A. Crane emphasized, "The concentration will be on fighting the Belt."

State Representative Marie Howe of Somerville said the Belt is "nothing more than stealing the homes of the people for the sake of the almighty automobile."

Absence of officials

The spirits of the demonstrators were dampened by the absence of notable public officials from Somerville. Alderman William Joyce, State Senator Dennis

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Vol. 86, No. 38 Cambridge, Mass., Tuesday, Oct. 18, 1966 5c

New ESI book discusses reforms in school curricula

By Karen Wattel

'Curriculum Improvement and Innovation: A Partnership of Students, School Teachers and Research Scholars, published recently is a collection of articles made by William T. Martin, head of the mathematics department at MIT, and Dan C. Pinck, deputy director of Educational Services Incorporated (ESI).

Alumni Seminar

Originally its purpose was to provide participants in the fourth MIT Alumni Seminar in September, 1966, on 'The Learning Process and Innovation in Education' with a selection of articles, mostly from ESI Quarterly Reports and from some of the curriculum projects not in ESI but directed by MIT faculty.

According to President Howard W. Johnson, of MIT, the curriculum reform movement has long been at this school. ESI, a non-profit educational organization founded in 1958, grew directly from an MIT project to develop a new high school physics course. Having set up a program including text, teachers' guides, films, laboratory experiments, equipment, tests and teacher institutes, the Physical Science Study Committee found it necessary to set up a new organization for handling and distribution.

ESI

ESI was formed for this purpose, part MIT-based and part from other institutions. Since then, it has developed nine school curriculum projects in the sciences, mathematics, and the social sciences, five university curriculum projects, and two research and development projects, in India and Afghanistan. 450 faculty from 228 colleges and universities

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Faculty spotlight

Many topics attract Lettvin

By Dave Kaye

If one should try to find the room numbered 20C-026, he would discover a door on which are marked the words "Research Simulation Center." Inside, one is confronted by the sight of a basin containing twelve turtles, a cage containing two parakeets, and, of course a desk behind which sits a secretary.

Further into the room is a large, flat table; on top of the table is a small oscilloscope and numerous papers; surrounding the table are bookshelves whose contents include such works as 'French Chivalry,' 'Unit Processes in Organic Synthesis,' 'Modern Practice in Leather Manufacture' (1941), 'Stellar Structure,' and 'The Presidency of John Adams.'

Investigations

The room is one of several maintained by Dr. Jerome Y. Lettvin, Professor of Biology and Electrical Engineering. In these rooms research is being conducted into such topics as membrane processes, visual coding, (in frogs and turtles), moto-neuron action, color vision, information transmission by nerves, instrumenta-

Would benefit MIT

Boston area considered for oceanographic base

By Steve Carhart

There exists a strong possibility that a major government oceanographic base will be located in the Greater Boston area within the near future. The Environmental Science Services Administration (ESSA), the US government agency in charge of investigating the earth, atmosphere, and oceans, is currently considering possible sites for its new Atlantic base. The new base will be concerned more with physical than with biological oceanography and will be a combination dock facility, research laboratory, and administrative office. Tentative plans call for the base to employ approximately 100 scientists plus supporting personnel. Current thinking also calls for a center of 150,000 square feet, of which two-thirds will be devoted to laboratories and offices, and the other third to the support of research vessels.

Other areas considered

There are a number of areas besides Boston, of course, which would very much like to have this base and are presenting their cases to Site Evaluation Committee of ESSA as well. The Site Evaluation Committee will con-

sider both written and oral proposals by various areas and four promising sites later this year. Boston's chief competitors are Southern Rhode Island, New York, Long Island, Baltimore, Norfolk, and Florida.

Among the criteria by which possible locations are being evaluated are the following: nearby academic institutions with an interest in oceanography, other research facilities nearby, transportation and communication facilities, the availability of supplies and equipment for outfitting ships, the availability of crews for ships, and local industries which might contribute to the needs of the facility.

Boston's chances good

The Greater Boston Chamber of Commerce is quite optimistic about the area's chances of being chosen as the site location. Boston has a fantastic concentration of universities with strong interests in oceanography, including, of course, MIT.

Furthermore, there are a great many possible sites within the Boston area, one of which is sure to be suitable for the ESSA installation. The local electronics in-

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Commissioner Finn speaks to IFC; Condemns Back Bay environment

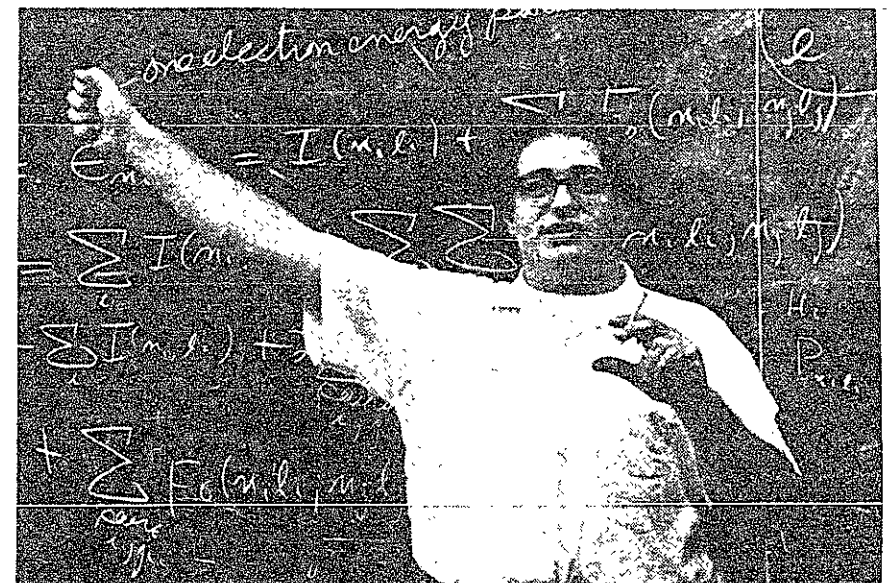
Awards, reports, and discussions of the Back Bay situation highlighted the Inter-Fraternity Council meeting Thursday at Purcell's Restaurant in Boston. Special guest for the evening was Dan Finn, Commissioner of the Department of Public Housing Inspection for Boston. Mr. Finn cited quite a few valid reasons why police and city officials are concerned about the Back Bay area, and shocked many in the audience.

Mr. Finn related figures showing that the ratio of students to residents in the Back Bay has been on a sky-rocketing climb through the last ten years, until at present 12,000 of the 22,000 persons in the area are students. The reputation of Back Bay as

the "party town" of the East has attracted undesirable people, especially on weekends, when the Back Bay looking for thrills. Mr. Finn appealed to the fraternities for cooperation in eliminating these undesirables in an effort to reverse the present trend toward violence and vandalism.

As if in reply to Mr. Finn's request, Steve Douglass '67 (SAE) proposed a committee to study the problems in the Back Bay and take whatever action is necessary and advisable. Gordon Logan '68 (DTD), Public Relations Chairman, gave a report on the Back Bay Planning and Redevelopment Corporation, encouraging fraternity support for the project. The corporation is making

(Please turn to Page 6)



Professor Jerome Y. Lettvin is pictured in just one of the many activities to which he devotes himself. In addition to teaching, he finds time for research, writing, and political and social activities.

tion in physiology, and pattern recognition in medicine.

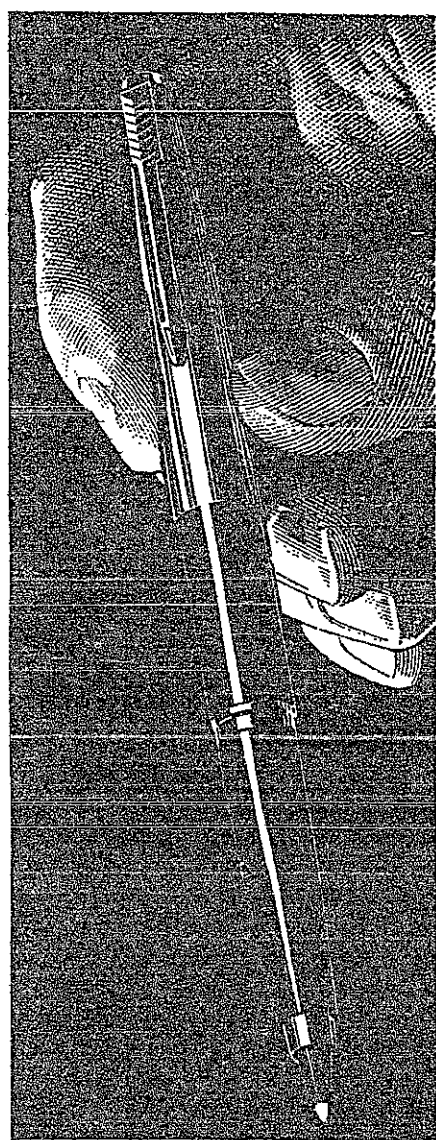
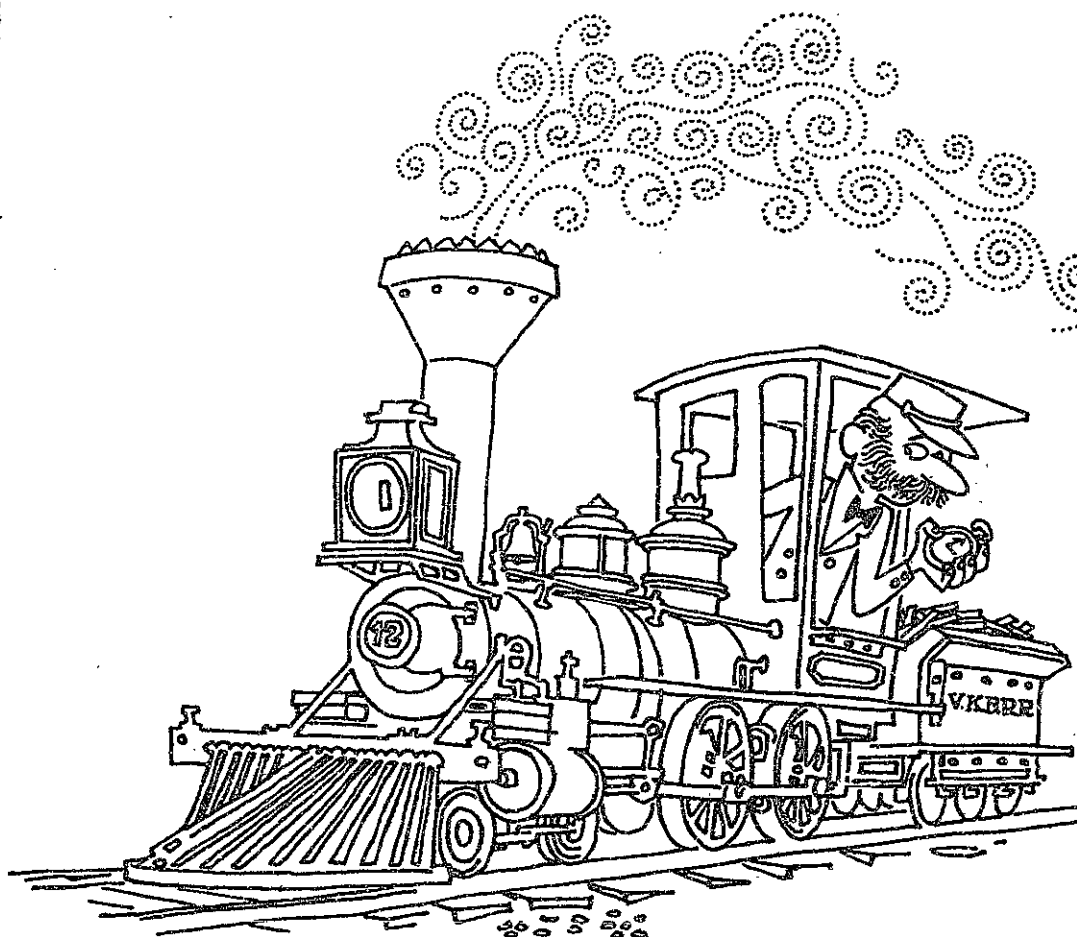
Wished to be poet

Dr. Lettvin has been associated with MIT since 1951, when he started working for the Research Laboratory of Electronics at the suggestion of Norbert Wiener. Originally, however, Dr. Lettvin's ambition was to be a poet; at his family's insistence, he enrolled in

the University of Illinois Medical School. After the advent of World War II he emerged as a neuro-psychiatrist. For the next few years he worked for the Veterans Administration as a psychiatrist while being enrolled at MIT as a special student in the mathematics department.

In 1947, he obtained a position (Please turn to Page 3)

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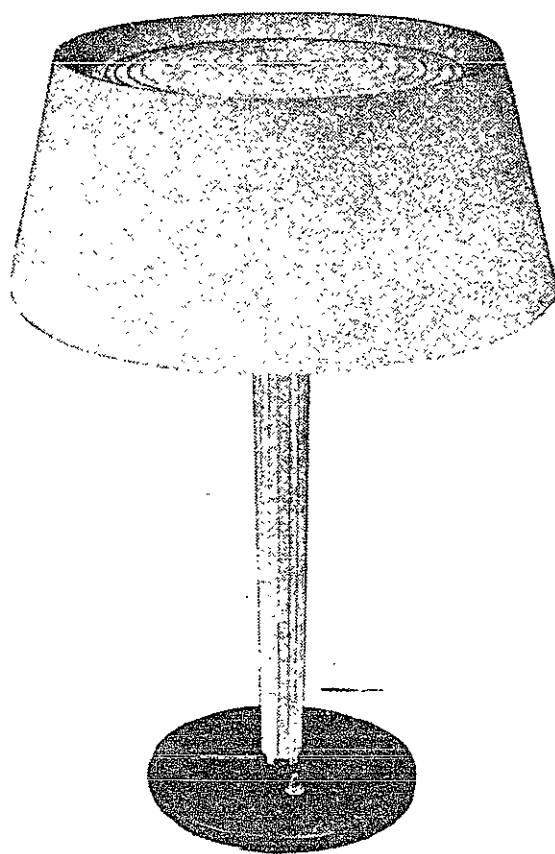
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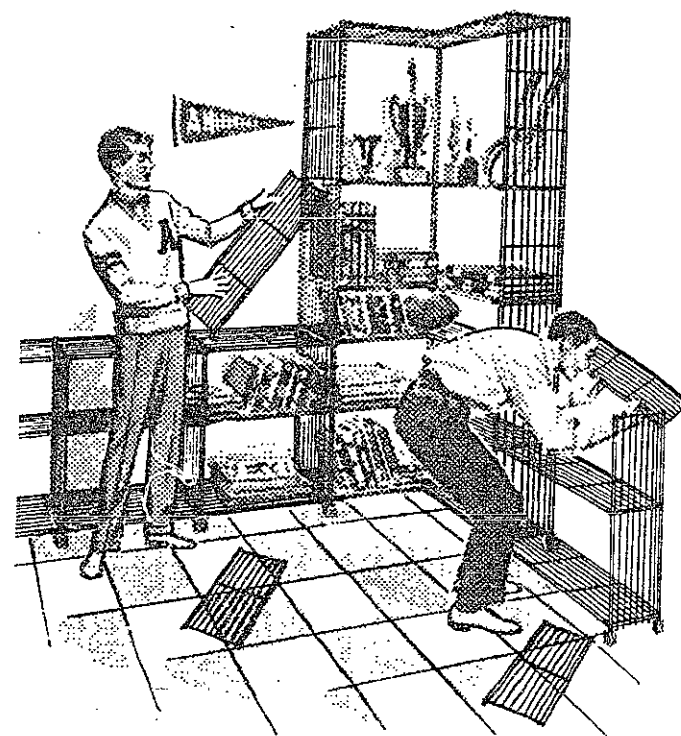
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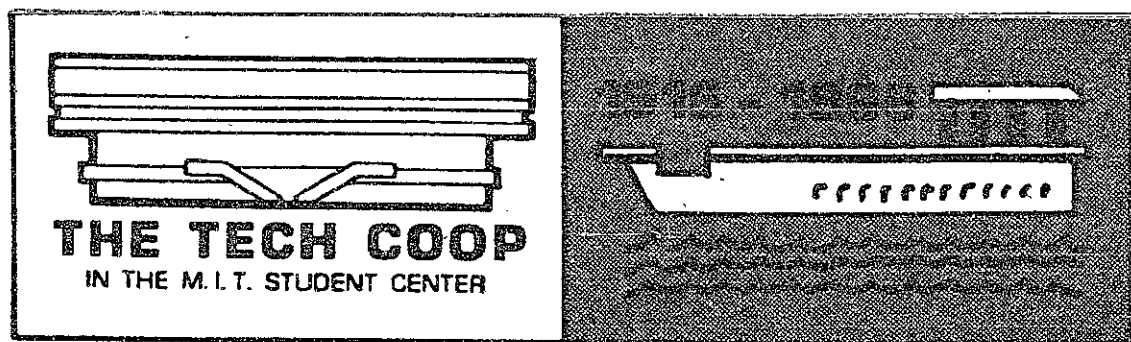
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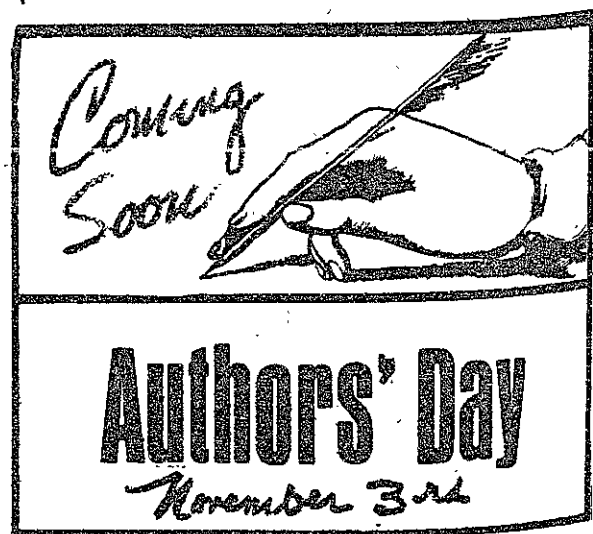
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OUR 50th ANNIVERSARY YEAR



Todes to deliver lecture on technology and success

By Richard Cutler
Dr. Samuel J. Todes, formerly professor of philosophy at MIT, will deliver a lecture entitled 'Technology and the Ideology of Success' in the Vannevar Bush Room (10-105) Tuesday, October 25, at 8 pm. The lecture is presented jointly by the Couse XXI Society and the Society for Social Responsibility in Science.
Dr. Todes taught at MIT for seven years and last year received the Everett Moore Baker Award for Excellence in Undergraduate Teaching. Dr. Todes is the author of several articles published in professional journals, and of a book on the 'Natural Philosophy of the Human Body,' which will be published in 1967 by

the Northwestern University Press as part of the series, Northwestern Studies in Phenomenology and Existential Philosophy. Dr. Todes is presently working on a Danforth Foundation Grant to study the social and religious implications of his 'Natural Philosophy,' which is a study of the body's role in our knowledge of objects. He will be teaching at Brandeis and at Yale this spring.
In his lecture, Prof. Todes will try to show the interconnection between the nature of the technological mentality and our contemporary American ideology of success, and correspondingly that the limitations of the ideology of success reflect the limitations of the technological mentality.

Essayist, translator

Lettvin finds time for students

(Continued from Page 1)
man forgery of letters between Democritus and Hippocrates.
Concern for society
In addition, Dr. Lettvin expresses concern with the problems of students, science and society in general. For instance, he observes that MIT undergraduates seem to have less fun today than did their predecessors ten years ago and attributes this to the War in Vietnam, a deadening pressure to become part of the permanent middleclass, and the doldrums of modern education which prevents students from knowing just where they can make their mark, and tells them only where they can make their buck.
Disappointed with colleagues who work from competence without passion, Dr. Lettvin contends that with increasing material success, many scientists have become "spoiled" inspiring only to administrators.
Dr. Lettvin's politics are primarily a matter of personal feelings; in particular, he dislikes large government and secrecy restrictions, and opposes the War in Vietnam.
Presently, Dr. Lettvin teaches a course entitled "Biological

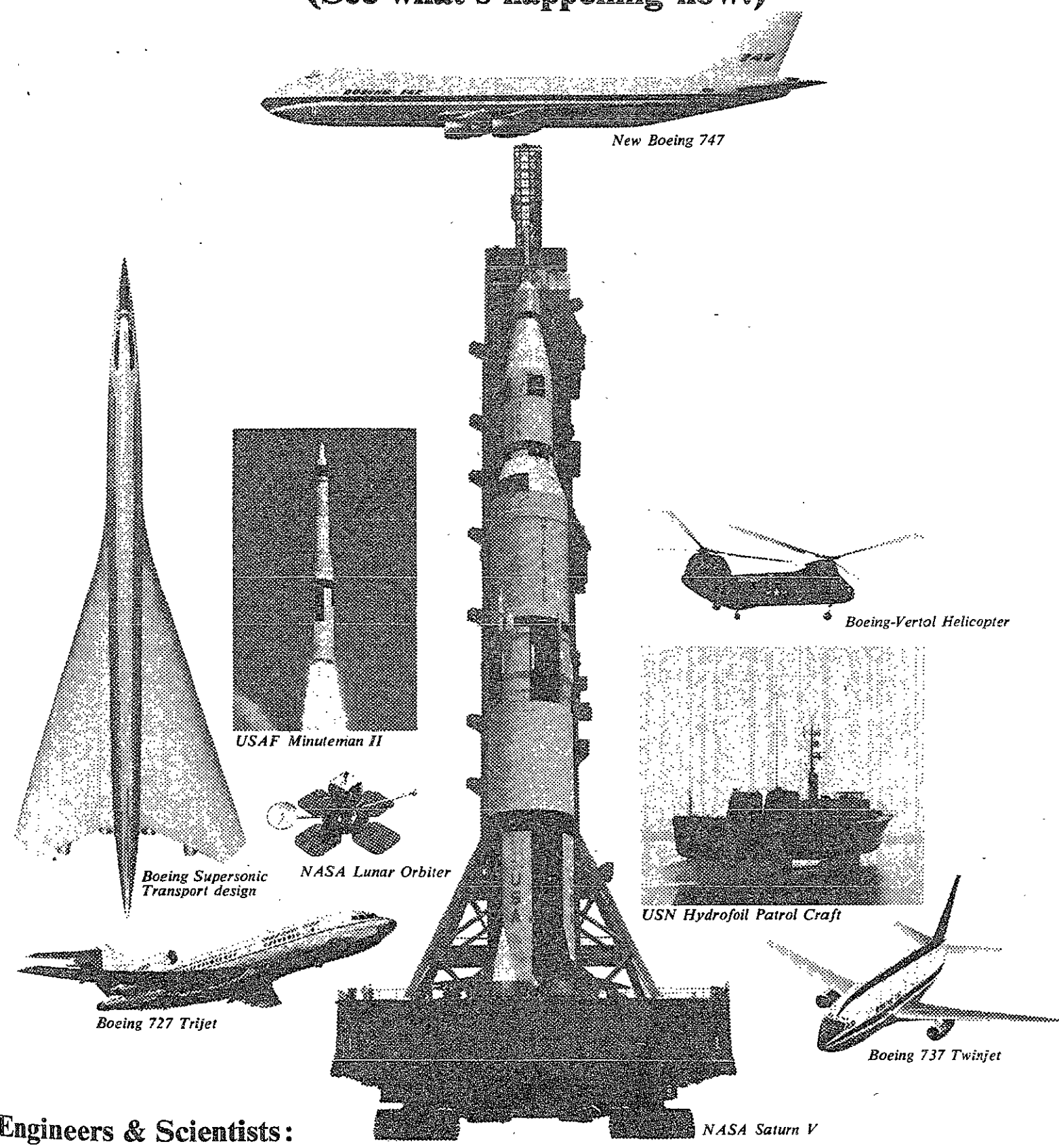
Bases of Perception" (21.97T), which is, in effect, a delineation of certain aspects of his research. However, as he has now reached the point where he can present his ideas in the form of a small book, he does not consider it worthwhile to continue teaching the course beyond this semester.
Praises Tech freedom
Having worked at MIT for fifteen years, Dr. Lettvin believes it is "probably the freest campus on the East Coast," and claims he is "one of the few full-time dilettantes supported by the establishment." As a result, he is "continually astonished, but grateful."

As physiologist at the University of Rochester, but a year later became senior psychiatrist at Manteno State Hospital where he continued physiological research in his spare time until becoming a research associate at MIT in 1951. A few years ago Dr. Lettvin was designated Associate Professor in Biology, but in his words, "I resigned because I felt incompetent." Evidently, this opinion was not shared by the department, for last year Dr. Lettvin was awarded a full professorship in both the department of Biology and the department of Electrical Engineering. Interestingly enough, he claims "I don't know why they did it."
Wide-ranging interests
Yet Dr. Lettvin's interests are not confined to physiological inquiry, but are sufficiently amorphous to include "whatever seems amusing at the time." For example, he has been commissioned to write magazine articles ("amusing essays on something I know very little about"), is currently writing a paper on Leibnitz's monodology, and is also engaged in translating a Ro-

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Arvanites' exhibit to be shown in Student Center
Tomorrow, in the Student Center Art Studio, Mr. Constantine Arvanites will demonstrate his talents in acrylic painting. Having worked experimentally with this versatile plastic paint for several years, this well known artist has produced several outstanding canvasses.
Mr. Arvanites is also known as a teacher at the DeCordova Museum and at the Boston Museum of Fine Arts.

Fifty years ago we only made 'aeroplanes'. (See what's happening now!)



Engineers & Scientists:

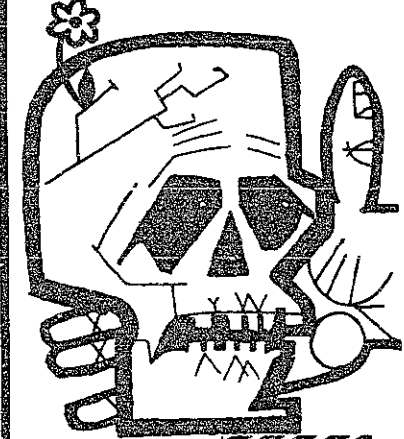
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Book learning

One of the items on November's Massachusetts ballot is a proposal backed by organized labor to repeal the sales tax passed by the state legislature during the last session.

Proponents of the sales tax are quick to point out that at least part of the sales tax burden falls on 'tourists' who presumably flock to the state each summer and buy millions of dollars worth of trinkets and souvenirs to lug home.

Although the politicians don't usually mention it, we suspect that one variety of 'tourist' they are particularly pleased to have shoulder the additional tax burden is the September to June variety who attend the state's outstanding (and some not quite so outstanding) private universities and colleges.

With one exception, the students really shouldn't complain about bearing a little of the cost of running the state's public services. After all, any survey of the public transportation systems, parks, beaches, and highways would show that students get more than a little use out of these publicly financed and maintained facilities.

The present sales tax does not apply to purchases of food or clothing, so the tax's proponents claim that at least they have exempted life's necessities. Perhaps they have, but it strikes us that for the common good of both Massachusetts' college students and Massachusetts' citizens an exemption for books should have been included.

Somehow it just doesn't seem right for a state that boasts a city known as 'The Athens of America' (Boston), the oldest US college (Harvard), and the world's best technically oriented university, to go around taxing books.

It is true that textbooks are exempt, and heaven knows if you look hard enough you should be able to find an MIT course which uses the book you don't want to pay tax on. Just the same, trotting up to the Student Center Library before you buy a book is a pain; while filling out the white slip that your sure the Department of Corporations and Taxation, Sales and Use Tax Bureau, will probably never even look at is also annoying.

Since college is the traditional time to start a good personal library, many students will find the tax on non-textbooks burdensome.

However, a better case can be made for the exemption of books from the sales tax by looking at the state's population as a whole. Clothing and food are exempted because they are classified as

Holiday

Columbus Day last week, and the Inauguration the week before provided most of the student body and faculty with a much appreciated break in classes.

Unfortunately, several instances where professors and instructors insisted that students attend tutorials or classes on what had officially been designated class-free days have been brought to our attention.

In addition to these recent examples, many students are familiar with classes in the past that have been held during the hour set aside for the annual Christmas Convocation, during time allotted for an Awards Convocation, or during some other time which has been designated as 'classes cancelled.'

We can understand the fact that many professors want to teach as much as possible in an all too short term, but perhaps they should understand that the average student leads a hectic enough life that he will resent giving up the holidays that the academic schedule throws his way.

necessities. This seems strange since any ride on the MBTA will present a view of only well enough fed (mostly overweight) and well enough dressed citizens. In fact it is universally recognized that any skinny, shabbily (or sloppily) dressed person is bound to be a college student. So it isn't evident that very many Massachusetts citizens are not getting enough to eat and wear.

At the same time, a ride on the MBTA or a walk down a busy street with his ear attuned to the conversations around him is enough to convince even the most casual observer that the average citizen is more likely to be overfed than over-read.

In Massachusetts, just like everywhere else in America today, education, formal and informal, is of vital importance if the public is to be expected to deal intelligently with the issue and problems facing the community.

Therefore, we feel that Massachusetts' legislature was more than a little short-sighted when it failed to include all books and printed material in the list of 'necessities' exempted from the state's sales tax.



Vol. LXXXVI, No. 38 Oct. 18, 1966

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Second-class postage paid at Boston, Massachusetts. The Tech is published every Tuesday and Friday during the college year, except during college vacations, by The Tech, Room W20-483, MIT Student Center, 84 Massachusetts Ave., Cambridge, Massachusetts 02139. Telephones: Area Code 617, 876-5855, and 864-6900 extension 2731. United States Mail subscription rates: \$4.25 for one year, \$8.00 for two years.

College World

By Lee Shaeffer

Rat Week, corresponding to Freshman Week at many other colleges, was a big success at the Richmond Professional Institute. The incoming "rats" were required by juniors to perform certain little tasks during the week. The requirements included wearing rat caps, hanging a sign around their neck bearing their name, home town, local address, telephone number, major, and age. They had to carry with them at all times an inflated balloon carrying the autograph of at least six juniors, a toothbrush, a baby bottle, rat trap, and chewing gum. They must show respect by addressing juniors as sir or m'am and tipping their rat beanies. As a bonus, they must memorize the definition of "rat."

Loch Ness at VPI

The local swimming hole at Virginia Tech was declared unsafe for swimmers when reports circulated that monsters were lurking on the bottom. An SOD (Save Our Duckpond) committee was quickly organized to investigate the matter. Only after many long hours of gathering and pondering data was the SOD able to unmask the monster. It seems Tech Skindiving Club had been using the pond for practice.

Rise and Shine

The difficult problem of getting up in the morning has been solved by a University of Minnesota senior. The Rev. Richard Koplow has developed a super alarm clock he says will do "most anything."

The invention will switch lights, a television set, or hi fi on or off at predetermined times. It will warm Koplow a cup of coffee before he gets out of bed in the morning.

The alarm is also designed to awaken him and his wife at different times. On Monday, Wednesday, and Friday it will get her up at 4 am and him at 8. On Tuesdays and Thursdays he will get up at 4 am and she at 9.

Koplow said he is building it merely for kicks and that he has never taken an electronics course in his life.

Missing persons

With a considerable amount of embarrassment, the Colorado Daily, of the University of Colorado, printed an apology to the campus police. Apparently a girl who was reported missing Saturday night was discovered — safe and sound — in the office of the Daily typing up a story at 4 am Monday. The Daily can boast of at least one hard-working staff member.

Pickets AAUP

A soft-spoken Florida statistician made history as the first man ever to demonstrate in front of the American Council on Education Building.

Robert G. Hoffman, PhD, explained that in 1963 he was fired from the University of Florida, where he had been a research assistant professor in medical statistics. He went to the AAUP for assistance in getting his job back, but the AAUP only made matters worse by writing several letters which irritated the University officials. Furthermore, it double-crossed him when, after Hoffman had lost several reviews and hearings, they sent the University a letter discharging them of the responsibility of their actions. The AAUP told Hoffman later that the position was no longer needed at the University, but Hoffman said that they later hired someone else to do the same job.

The protesting professor soon caught the attention of many educators and secretaries in the building. Several passersby became interested, including three bearded youths.

"Hey, what's the AAUP?" one asked. When told, another asked, "Is it Commie or Fascist?"

No answer. "Well, let's stamp it out," one said, and off they drove.

Letters to The Tech

Rapid submersion

To the Editor:
A new action organization dedicated to the preservation of solitude and other inalienable rights has been born.

The Radically Active Participants in Deluging Sinners rapids intends to create, as the acronym implies, a water-fall for bathing violators of the law.

The particular law referred to is the one stating that no cycle engines are permitted to run in the alley behind Bexley Hall between the hours of 8 pm and 8 am. The Campus Patrol has had trouble enforcing this law in the past, but little trouble is forecast in the future.

The law is not unfounded. It rests on the principle that sturdy old Bexley (mostly old) shakes as a sail luffing in the wind when a cycle charges through the alley. Also, with the Chapel wall acting like a sounding board, the quietest engine becomes a deafening roar. From this follows the request that cyclists using the parking area within the prescribed time bounds turn them off and walk them.

Thus, fair warning has been issued. Either tow it or row it.

A RAPIDSITE

Sorry comrade

To the Editor:

Your Friday issue carried a squib entitled "Russian House plans Game Room reception" which would be hard to match for flamboyant inaccuracy. The Russian House wants the following points clarified: 1) Russian House is not, as your piece states, "the only independent student housing group at the Institute"—an absurd contention; 2) Russian House is not, contrary to your report, planning a reception in the Student Center Game Room on November 7 for a group of Soviet scientists visiting MIT and Harvard. We gave the reception, with Dean Fasset's kind assistance, last November 7; 3) Russian House does not, despite your reporter's assertion that it does, sponsor concerts annually. We did sponsor one last year—the first year of our existence, by the way—but we have no set plans for such a venture this year; 4) "The little father," as your correspondent describes me, strikes not a few members of the House as a czarist anachronism without basis in fact. I might add, too, that I am not "Professor of Russian" at MIT. The Institute hasn't any.

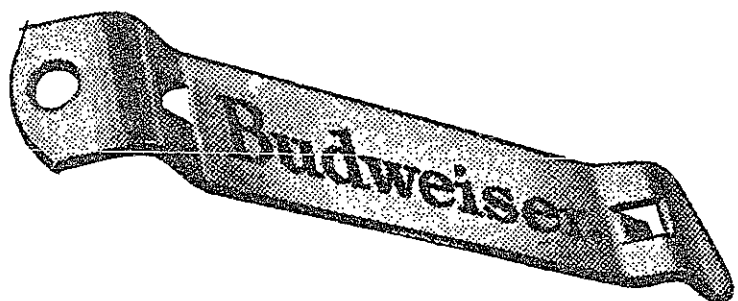
L. H. Scott, Instructor, Department of Modern Languages and Linguistics, and Staff Resident of the MIT Russian House.



Merritt Willey

loves good conversation.

All he needs is an opener.



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Pages with PSSC

ESI guides curriculum reform movement

(Continued from Page 1) President Howard Johnson, in the introduction to the book tracing current curriculum reform, says that a university, faced as it is with many demands, must remain aware of its main purpose, to "preserve knowledge and to teach the members of our society, to advance knowledge by discovery, and to find solutions to society's problems by technical and social innovation." Educational reform, once an individual prob-

lem, is now a "group task," according to Johnson. James R. Killian, Jr., Chairman of the MIT Corporation cited ESI as a "vehicle for confederating scholars and teachers from a number of institutions, university, pre-college, and industrial, making it easier for them to work co-operatively in an interdisciplinary, inter-institutional pooling of talents," as he spoke before Congress in favor of such a government-backed system as ESI.

Project descriptions

His speech is the first article in the book, which also contains such articles as descriptions of some projects, writings by some of the leaders of the curriculum reform movement, and actual classroom experiments.

Spring Weekend Committee set

Four juniors and two sophomores have been named to the Spring Weekend '67 Committee by Inscomm. Elected were: Jerrold Grochow '68 (Baker), Gordon Logan '68 (DTD), Doug Glen '68 (PMD), Ray Paret '68 (PLP), Bruce Enders '69 (PGD), and Dick Holthaus '69 (ATO). Chairman of the Committee is Tom Beuthel '67 of ATO.

Al Hayes '67, former president of Alpha Phi Omega, was named to the vacant senior position on the Finance Board.

New editors chosen for '67 Social Beaver

Greg Fox '69 has been chosen Editor of the TCA sponsored 1967 Social Beaver, MIT's informative social guide for freshmen. Major emphasis this year will be on revisions in the activities and school section of the magazine. Also, more and better photographs will be used to improve the Social Beaver's appearance. The Beaver will be printed earlier this year so that every freshman will receive his copy during the summer.

Fritz Efav '68 has been named Associate Editor, and Ron Bagley '69 has been selected Advertising Manager.

Dr. Deutsch returns to teach at Harvard

Karl W. Deutsch, a world lecturer in comparing governments by quantitative means and in studying communication between nations, returns to Cambridge after a decade of teaching and research at Yale to join the faculty of Harvard University as Professor of Government.

His work on political development of nations centers on three concepts: Nationalism, Political Integration, and Social Mobilization. He has led in developing data archives and cross-national files for the study of government with computers and other quantitative methods. As an MIT professor from 1942 to 1957 he developed his famous cybernetic approach to government.

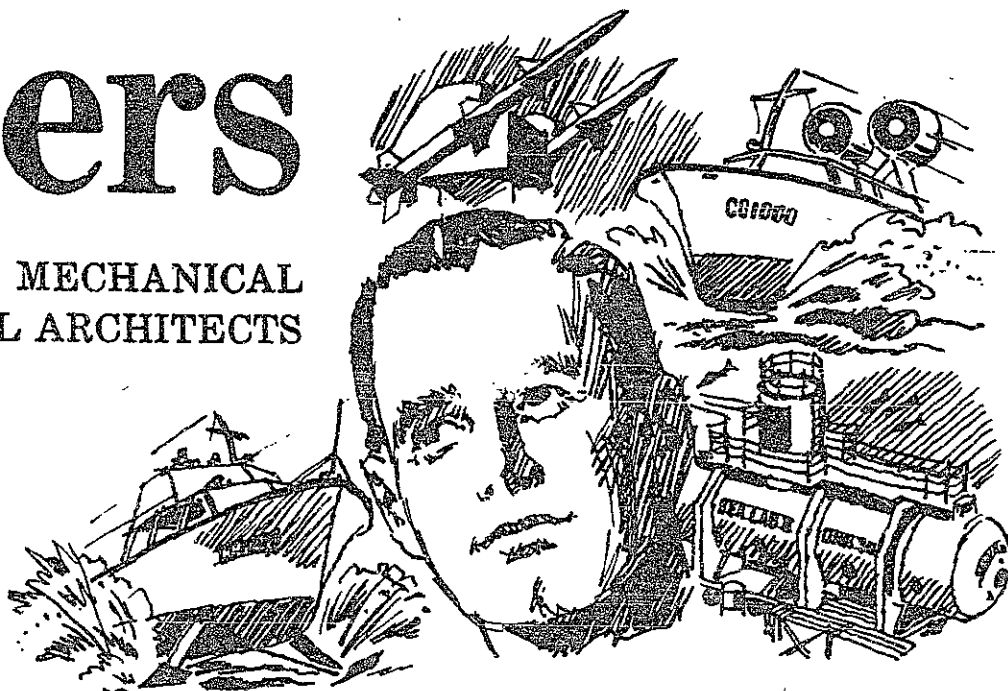
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Motivations questioned

Demonstrators pessimistic over Inner Belt selection

(Continued from Page 1)
McKenna, and Rep. Howe were all present for the demonstration, but Mayor Lawrence F. Bretta was absent. His absence caused several Cambridge officials not to expect much support from Somerville in the protest against the Belt.
Bretta is known to favor the Inner Belt route already laid out for Somerville, because a multi-million dollar industrial develop-

ment is planned for an area near the Belt.
While the usual beards and long, pressed tresses associated with Common demonstrations were absent Saturday, placards and signs pleading for help in preserving homes from the highway builders were much in evidence. Most of the signs proclaimed "Beat the Belt" or "Cambridge is a city—not a highway."
In spite of the protest, there remains much pessimism about the Brookline-Elm route. Many officials question the outcome of a restudy, and especially the motivations that lead to a restudy during an election year. Also, Congress determined that the Federal funds allotted for the Inner Belt must be spent by 1972.
The brightest hope for the protesters lies in the committee of Cambridge residents whom Governor Volpe named to work with DPW engineers planning the Belt to "oversee" the selection of a Belt route. The three-man committee of Denis Blackett, Robert Goodman, and Rev. Paul Manus will be permitted access to documents and figures that have never been obtained before.

New ocean lab creates new jobs

(Continued from Page 1)
dustry is another asset, as are Boston's substantial harbor and the availability of personnel to man the ships.
Advantages to MIT
MIT stands to gain a great deal should Boston be chosen as the site for the ESSA base. A number of new oceanographers would be present in the area for consultation, and the oceanography projects in progress at the Institute would probably benefit from the availability of additional research ships.
Finally, the new facility would undoubtedly require the presence of a number of students who could contribute to the research in progress, thus offering MIT students interested in oceanography a wonderful opportunity to participate in research at the highest level.

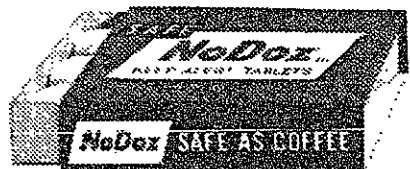
Advertisement
The Bible says: These six things doth the Lord hate; yea, seven are an abomination unto Him: a proud look, a lying tongue, and hands that shed innocent blood, an heart that deviseth wicked imagination, feet that be swift in running to mischief, a false witness that speaketh lies, and he that soweth discord among brethren. Proverbs 6: 16, 17, 18, 19.



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SAFE AS COFFEE



Fraternities receive awards

(Continued from Page 1)
a comprehensive study of the area, and will make recommendations to the city for future plans.

Awards Given

Honoring the scholastic achievements of the fraternities, Mr. Finn presented the Scholarship trophies. The Improvement Trophy was won by Alpha Tau Omega, with Sigma Chi and Delta Kappa Epsilon following in second and third positions. The trophy for the highest house average went to Sigma Alpha Mu, with Alpha Epsilon Pi and Sigma Nu close behind. The Intramural Trophy for the fraternities was awarded

to Sigma Alpha Epsilon by George Jones '67 (DU), president of the Athletic Association.
New fraternity proposed
Doug Benson '67 (ATO) reported on a group on campus who wish to form a new fraternity, explaining the procedure they must follow to become eligible for Inter-Fraternity Council membership. At present they are known as the Pyramid Club, headed by Greg Aaronson of Burton. The IFC is now aiding them, with Benson acting as chairman of the advisory group. Other members are Jeff Silverman '68 (ZBT), Gordon Logan '68 (DTD) and Tom Neal '68 (PDT). The total length of time they must exist before becoming a full-fledged member of the IFC was estimated at four or five years to insure their longevity.

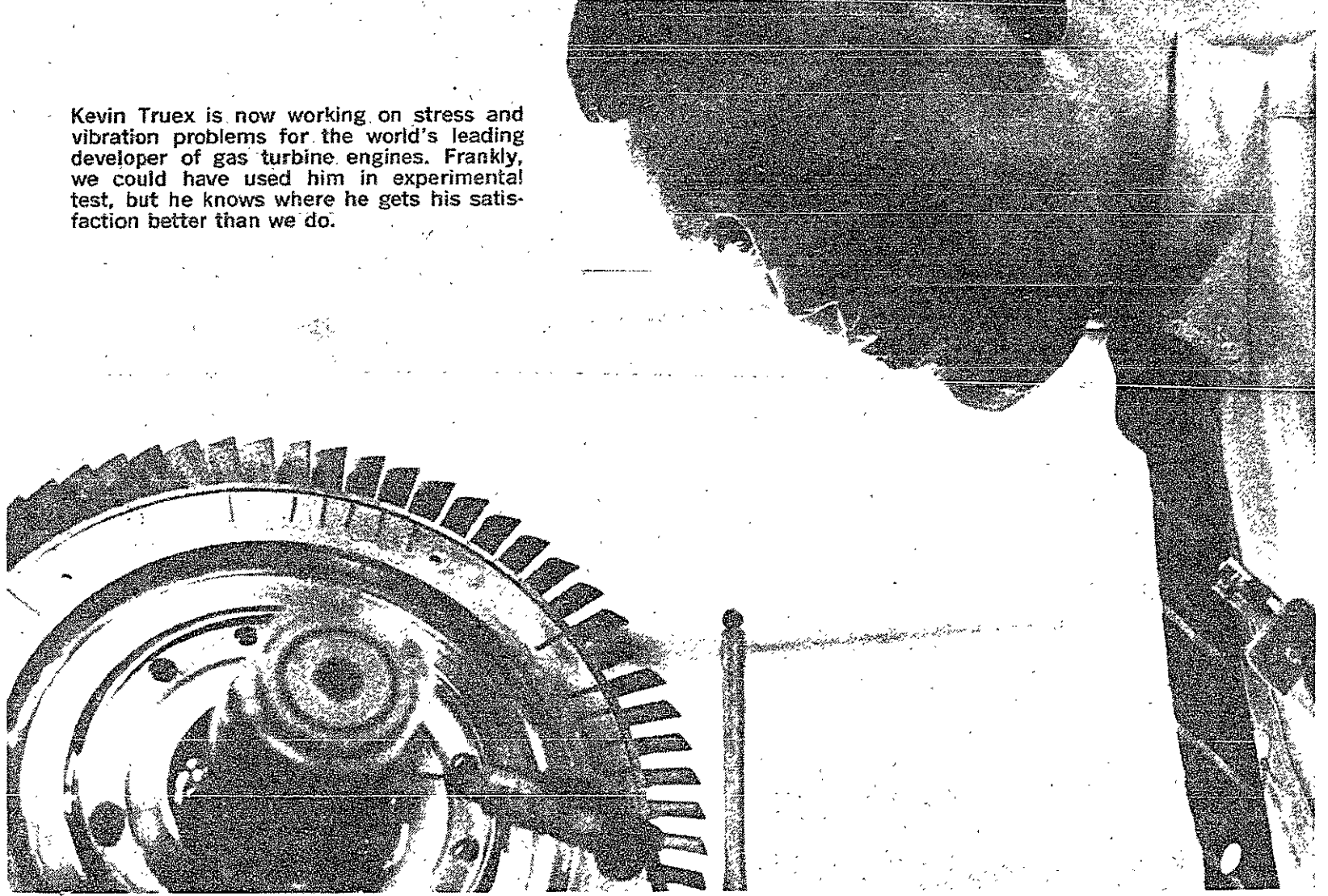
president of Sigma Alpha Epsilon Fraternity and Dean of Students at Hunter College of the Bronx.
Weekend plans unveiled
IFC Weekend plans were partially unveiled by Social Chairman Roy Paret '67 (PLP). The date has been set for February 24 and 25, and entertainment is reasonably certain. Band auditions for social chairmen were announced for October 23 in the Sala de Puerto Rico in conjunction with TCA. Anyone desiring to work on the committee was asked to contact either Paret or Carl Weiss (DU).
Theta Delta Chi announced an open house Sunday, November 6 to exhibit their new house, which is Dean and Mrs. Fassett's previous residence on Memorial Drive. Steve Swibel '68 informed the meeting of the Blood Drive to take place November 16 and 17, encouraging all fraternity men to give.
Dean Wadleigh spoke the parting words, and told of Dean Fassett's activities. It seems that he is devoting two hours a day to James Joyce, as promised, at his home at Damariscotta Mills.

Library hours

Library hours for Veterans' Day and Thanksgiving vacation have been announced. They are as follows:
Friday, November 11
All Libraries on regular schedule except: Materials Center, 9:00-5:00; Space Center, Closed.
Wednesday, November 23
All Libraries on regular schedule except: Reserve Book Room, 8:00-5:00; Music, Lindgren, 9:00-5:00.
Thanksgiving, Thursday, November 24
All Libraries Closed.
Friday, November 25
All Libraries on regular schedule except: Reserve Book Room, 8:00-5:00; Music, Lindgren, 9:00-5:00.
Saturday, November 26
All Libraries on regular schedule.
Sunday, November 27
All Libraries on regular schedule.

Morals conference planned
John Fitz '68 (SC) announced present plans for the Intercollegiate Conference on Morals and Ethics. The date has been changed from November 4 to March 10 because of scheduling problems. Speakers who are to appear are Dr. Harvey Cox of Harvard, who started the "God Is Dead" controversy, Dr. Walter Judd, former Congressman from Minnesota and medical missionary, and Dr. Ted Nygreen, past

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APO holds convention here

By Paul Johnston

The New England Sectional Conclave of Alpha Phi Omega Service Fraternity was held at MIT over the weekend of October 14-15. Forty APO brothers, from ten New England colleges attended the convention, which decided to submit a bid to hold the 1968 National Convention at MIT. Registration for the meeting Friday evening was followed by a stag social function in Burton House.

Saturday was devoted, for the most part, to business meetings and discussion groups. In the morning amendments to the National Constitution were discussed. These amendments will

SCC representatives to attend conference

Members of the Student Center Committee will be attending the annual conference of the Region I (New England) Association of Student Unions. The three day conference will be held at URI in Kingston, Rhode Island. Chairman of SCC this year is Paavo Pykkonen '67.

be considered at the 1966 National Convention, to be held December 27-29 in Minnesota.

Alpha Chi Chapter, MIT, then recommended extending a bid to the National Office to hold the 1968 National Convention in Boston, at MIT. When this motion was passed, Alpha Chi was directed to submit the bid, and to contact other New England chapters not present to secure their support.

N.E. sectional split passed

The meeting also decided favorably on a proposed sectional split in New England. Thus New England will be divided into two sections, one consisting of APO chapters in Maine, New Hampshire, Eastern Massachusetts and Rhode Island, and the other of chapters in Connecticut, Western Massachusetts and Vermont. The reason for the split is to enable the sectional vice president to cover the chapters under him more thoroughly, and thus do a better job.

After lunch discussion groups were held; topics for consideration included recruitment, fund raising, forming new chapters

and service to Scouting. Of the latter it was felt that service may be accomplished on the council and district levels. Service to an individual unit is undesirable because involvement should be a continuous thing, but chapters are active primarily during the school year, continuity is lost over the summer months.

Chapters urged to act on own

It was suggested that a chapter establish contact with local units by visiting the council office and offering to help in any capacity. Visits to Scout camps were also recommended, the visitors looking for things that need to be done, and then going ahead and doing them.

The Conclave ended with a banquet in the Student Center, after which two movies were shown. Alpha Chi showed a movie of the annual spring Carnival, and Delta Nu (Yale) sent a movie about organizing a Scout troop in an underprivileged area.

Those schools represented at the conference include Brown, University of Maine, University of Massachusetts, University of New Hampshire, New Haven College, Quinnipiac College, Springfield University, Suffolk College and WPI.

Short animated film to be shown at Dizzy Gillespie concert this week

'The Hat,' an 18-minute animated film by John and Faith Hubley, with music and dialogue by Dizzy Gillespie and Dudley Moore, will be shown at the Dizzy Gillespie concert to be given in Kresge Saturday. The concert is being presented by the MIT Dormitory Council.

'The Hat' is an unusual and provocative film which explores in humorous context the complicated questions related to disarmament and the organizations of a peaceful world. It received first prize as the best animated film at the 1964 Venice Film Festival, the

Special Jury Prize at the Festival de Tours, and the Edward Kingsley Award for the best short subject. Most recently 'The Hat' won its fourth award, the Special Prize in the short film competition at the 1966 Melbourne Film Festival. It was recently shown over CBS nationwide television.

The film is sponsored by the World Law Fund, a small private educational foundation. Tickets to the concert-and-film program are still available in the lobby of building 10, at \$2.25 and \$2.75. Telephone reservations may be made at x2910, days or x3169, nights.

Art exhibition

Warhol comes to town

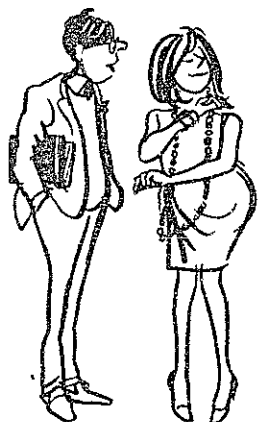
Andy Warhol, noted for his "happenings," is currently presenting an exhibition at the Institute of Contemporary Art. The exhibition will run through November 6.

An "event" will take place October 29 at 9 p.m. Entitled 'Expanding Plastic Inevitable,' it

will feature Andy Warhol with the Velvet Underground and Nico. The "event" will take place at the Institute of Contemporary Art.

The price of admission is \$5.

Tickets and information are available at the sales desk, or by calling 262-0600.



1. Um...uh...now that we know each other a little, I was wondering if, uh, you think I'm the type of guy you could go for?

I could go for a real swinger.



2. I have an exciting pipe collection.

I want to be where the action is.



3. I know some daring chess openings.

I want a man who's making it happen.



4. I read all about it in 'The New York Times.'

I want to do 'in' things with 'in' people in 'in' places.



5. I spend a lot of time in the library.

My motto is fun today and fun tomorrow.



6. Then I guess you wouldn't be interested in someone like me who has landed a good-paying job that will let his family live well and who, in addition, has taken out a substantial Living Insurance policy from Equitable that will provide handsomely for his family if, heaven forbid, anything should happen to him.

How's about showing me that pipe collection, swinger?

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- BACH:** Mass in B Minor — Stader, Toepper, Haefliger, Engen, Fischer-Dieskau; Munich Bach Orchestra/Richter
- BACH:** Organ Toccatas & Fugues — D minor, F, "Dorian" in D minor & C — Helmut Walcha, Alkmaar Organ
- BACH:** St. John's Passion — Lear, Toepper, Haefliger, Prey, Engen, Munich Bach Choir; Munich Bach Orchestra/Richter
- BACH:** Well-Tempered Clavier, Vol. I — Ralph Kirkpatrick, Clavichord (Boxed; booklet)
- BEETHOVAN:** Complete Late String Quartets & Grosse Fuge — Amadeus Quartet
- BEETHOVAN:** Piano Concerto No. 3; Rondo in B flat — Sviatoslav Richter, Piano; Vienna Symphony/Sanderling
- BEETHOVAN:** Symphonies 8 & 9 ("Choral") — Berlin Philharmonic/Karajan, vocal soloists
- BERG:** Wozzeck (Complete, Sung in German) — Fischer-Dieskau, Lear, Wunderlich, others; Chorus & Orch. of Berlin Opera/Boehm
- BRAHMS:** German Requiem; Variations on a Theme by Haydn — Janowitz, Vienna Singverein; Berlin Philharmonic/Karajan

- BRUCKNER:** Symphony No. 9; Te Deum — Stader, Haefliger, others; Berlin Philharmonic/Jochum
- JANACEK:** Slavonic (Glagolitic) Mass — Lear, Roessel-Majdan, Haefliger, Crass; Chorus & Bavarian Radio Symphony/Kubelik
- MAHLER:** Das Lied von der Erde — Merriman, Haefliger; Concertgebouw Orch./Jochum (Leaflet of texts)
- MOZART:** The Magic Flute — Lear, Peters, Fischer-Dieskau, Crass, Wunderlich, others; Berlin Philharmonic/Boehm
- MOZART:** Mass in C Minor, K. 427 — Stader, Haefliger, Toeppfer, Sardi; St. Hedwig's Choir; Berlin Radio Symphony/Fricsay
- MOZART:** Requiem — Lipp, Roessel-Majdan, Berry, Dermota, Vienna Singverein; Berlin Philharmonic/Karajan (Leaflet of texts)
- STRAUSS:** Elektra — Borkh, Madeira, Schech, Fischer-Dieskau, Uhl, Dresden State Opera/Boehm
- STRAVINSKY:** Rite of Spring — Berlin Philharmonic/Karajan
- VIVALDI:** Concerto Grosso, Op. 3, No. 11; Cto for Flute, 2 Violins, Viola, Strings, Op. 10, No. 3; Cto for 2 Violins, Viola, Cello, Continuo in A; Cto for Bassoon, 2 Violins, Viola, Cello, Continuo; Sinfonia, "Al Santo Sepulcro" — Lucerne Festival Strings / Baumgartner

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theatres . . .

Dramashop presents intriguing plays

By Dave Koffman

The MIT Dramashop opened another season of one-act plays at the Kresge Little Theater, Friday night, giving Thornton Wilder's 'The Long Christmas Dinner' and W. B. Yeats' 'At the Hawk's Well.'

Wilder uses the occasion of a family's annual Christmas dinner to show what happens to it over a period of three generations. The players sit at the dinner table, discussing what is happening to them, coming and going as they grow up and die, getting older as the scene progresses.

Unsatisfying result
 The deceptively simple action and dialogue of this piece place considerable demands on a company; the characters eat an imaginary dinner with imaginary utensils, and age years in the space of seconds. This and the rather fast pace of the performance, as well as technical difficulties, made for a somewhat unsatisfying result.


As for the meaning of it all, the outward structure is clearly cyclic, with each generation mirroring actions of the ones before, and the end bringing a complete resetting of the opening situation. But changes are obvious within the constant setting, and these may be seen as commentary on changing American society.

Good performances
 There were no really major parts, though good performances were given by Maureen Denver and Eric Goldner '68, in particular. 'The Long Christmas Dinner' was directed by William Zimmerman '68.

The Yeats offering, though more unconventional, seemed to pose fewer problems. Directed by Ralph Sawyer '67 and starring Phillip Bertoni '70 and Joseph Bisaccio '70 'At the Hawk's Well' presents two different approaches to a search for immortality.

Immortality in well
 The immortality is contained in the waters of the well, which appear only very briefly once every few years. An Old Man (Bertoni) has been waiting there all his adult life, only to find himself asleep every time the waters appear. A Young Man (Bisaccio), full of confidence, comes looking for this immortality.

We see the waters begin to rise. The old man falls asleep and the young man is lured away with a beautiful dance by the bird-like guardian of the well (Ronalee Brosterman '69). A Chorus of musicians recites praise of the life of folly, which seeks only short-term comforts. The heroism of the young man is clearly preferred to the suffering and patience of the old man.



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Tech Show '67 smoker set for Student Center

The Tech Show '67 smoker will be held Thursday evening. Positions are available in all facets of the show: acting, lighting, set design, music, and sales and business staffs.

Anyone interested in being a part of Tech Show '67 should plan to be at the smoker Thursday at 7 pm in the East Lounge of the Student Center.

Mama's & Papa's offer vocal talent, quick wit

By Don Davis

In their October 14 performance at the Commonwealth Armory, the Mama's and Papa's showed some 6000 in attendance that they can indeed sing. Performing all their hits except 'I Saw Her Again,' the unique foursome showed that the beautiful harmony on their records is the result not of any electronic trickery, but rather of naturally talented voices.

'California Dreamin,' dedicated to Boston, where it got its start almost a year ago, and 'I Call Your Name,' which they said represents Cass's crush on John Lennon, were probably their most popular numbers. The group also demonstrated their quick wit when electrical difficulties interrupted the show several times with comments such as Cass's "Kill the lights. No, save them in case anyone else ever has a concert here."

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 Shows 5:30, 7:30, 9:30

movies . . .

'Mandragola': the original blind date

By Jeff Stokes

Slapstick is an American product, and if it is also produced overseas, we import very little of it. (Excepting the Beatles, of course.) What we seem to like most from across the Atlantic are the dead serious films like 'Juliet of the Spirits' or 'Dear John,' either because they are bolder, or because they can be romantic without being trite. But every once in a while a 'Tom Jones' or a 'Help' leaks through; and the latest in this sparse category of foreign slapstick is Dino Fazio's rendition of the Machiavellian play 'Mandragola.'

As in most other Italian films, the central theme of 'Mandragola' is love: the Italians can't seem to leave the subject alone, and though their films have been called bawdy and degenerate, they esteem love highly. They also believe in honesty. It is the American filmsters who turn sex into something obscene.

But 'Mandragola' is still not sober, as films go. Romantic though its conclusion is, the means toward this end are quite devious. Our hero is a buffoon, reminiscent of Tom Jones, who decides entirely on the basis of hearsay that he is going to win a certain woman. So he sets out from Paris with his sidekick to find this Florentine, whom he has never seen before in his life.

'MANDRAGOLA,' based on the play by Machiavelli; directed by Dino Fazio; starring Rosanna Schiaffino, Philippe Leroy, Jean Claude Bizaly, and Toto. Italian with subtitles.

Making his way to the public pool rumored to be her bathing place, he pays the old keeper of the peeping room a few florins for a look. Sure enough, she is the dream of the earth: to himself and to all the other peeping Toms, who crowd into the old man's place of business like flies. The wall gives way and they avalanche into the midst of fifty threadbare and screaming women. In the ensuing chaos, however, the prize escapes.

Hopping over the rooftops in true Zorro fashion, our two conquistadores learn of her fantastic plight. The bulky old fool who is her husband has decided to blame his lack of a son on her infertility, and so he seeks the advice of world-renowned doctors on the subject of barrenness in women. When he finds her, doctors are setting hot rocks on her belly to induce productivity.

On the advice of Florentine, who turns out to be an epicurean leech, our hero poses as a doctor. Just speak enough Latin, advised the leech, and you will pass for a man of science. He passes alright, and with the aid of mandragola (mandrake, or 'the love root'), he ends up in her bed.

'Mandragola' is a delightful satire of its times, with even an implication or two for our own. It has the magical quality of a fairy tale without the naivete of one. An important asset of the film is one of Italy's most famous comedians, Toto, who plays the sidekick. In spite of the black and white photography and the necessity for subtitles, you will be amused, so come to 'Mandragola' and see how the end justifies the means.

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JOSH IS COMING

FRI., OCTOBER 28

ONLY \$2

Concert Band to present contemporary music Nov. 5

The MIT Concert Band will give a concert of contemporary music in Kresge Auditorium Saturday, November 5, at 8:30 pm.

This concert will be the first formal performance of the band's 1966-1967 season, which will also include concerts at Bennington College and Smith College.

Details of the program for this concert are to be announced. How-

ever, one of the highlights will be a performance of Morton Gould's 'Symphony for Band,' more popularly known as the 'West Point Symphony.'

Tickets for the concert are \$1 at the door, but free tickets for the MIT community will be available in the lobby of building 10 from October 24 to November 4.

L.S.C. PRESENTS SEN. WAYNE MORSE SPEAKING ON TRENDS IN AMERICAN FOREIGN POLICY AROUND THE WORLD

**MONDAY, OCT. 24
8:00 P.M.**

KRESGE

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PREFERENCE WILL BE
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OF THE MIT COMMUNITY

Movies and theatres

MOVIES

Astor—'Alfie,' 1:30, 3:30, 5:30, 7:30, 9:30.
Brattle—'That Man from Rio,' 3:30, 5:30, 7:30, 9:30.
Beacon Hill—'The Russians Are Coming,' 1, 3:10, 5:20, 7:30, 9:40.
Boston Cinerama—'Russian Adventure,' Wed., Sat., Sun., 2 pm, eves. 8:30, Sun. eves. 8.
Cinema Kenmore Sq.—'Dear John,' 1:45, 3:40, 5:35, 7:30, 9:30.
Cleveland Circle—'Fantastic Voyage,' 1, 3:05, 5:10, 7:20, 9:30.
Esquire—'Dinner at Eight,' 5:30, 8:30; 'Grand Hotel,' 3:30, 7:30.
Exeter—'The Endless Summer,' 2, 3:40, 5:25.
Gary—'Sound Of Music,' 2, 8:30; Sun. 2, 7:30.
Harvard Sq.—'Who's Afraid of Virginia Woolf?' 2:15, 4:45, 7:20, 9:40.
Music Hall—Starts Fri. 'Dead Heat on a Merry-Go-Round.'
Orpheum—Starts Wed. 'Kaleidoscope.'
Paramount—'Seconds,' 2:30, 5:30, 9:10; 'Waco,' 1, 4:10, 7:40.

Paris—'A Man and a Woman,' 2, 4, 6, 8, 10.
Park Sq. Cinema—'Mandragola,' 2:15, 4:10, 6:05, 8, 10.
Savoy—'Alvarez Kelly,' 1:30, 3:30, 5:30, 7:30, 9:30.
Saxon—'Dr. Zhivago,' Mats. at 2 Wed. and Sat., Sun. and Hol. eves. 8:15, Sun. 7:30.
Symphony I—'The Collector,' 1:30, 5, 8:30; 'Cranes are Flying,' 3:30, 7, 10:15.
Uptown—'Spinout,' 1:45, 5:40, 9:30; 'Walk, Don't Run,' 3:20, 7:15.
West End—'The Shop on Main Street,' 1:55, 4:20, 6:40, 8:55.

THEATRES

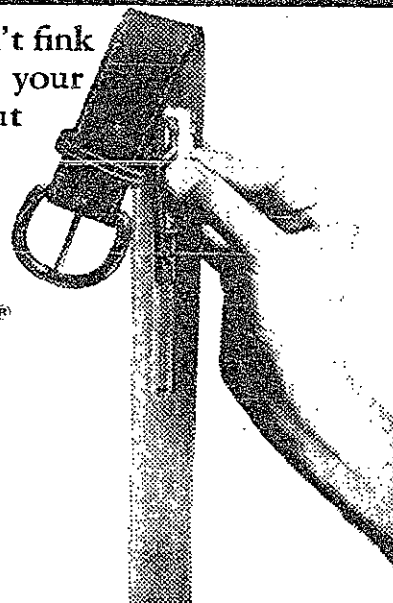
Charles Playhouse—'Love for Love,' thru Oct. 30.
Colonial Theater—'Don't Drink the Water,' thru Oct. 29.
Shubert Theatre—'Holly Golightly,' opens Nov. 1.
Savoy Theatre—'D'oyly Carte perform G & S; opens Nov. 1.
Theatre Company—'Marat/de Sade,' starts Thurs.
Wilbur—'My Sweet Charlie,' starts Oct. 25.

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9 A.M. - 5 P.M.

movies . . .

'Fantastic Voyage'—a waste of time

By David Grosz

'Fantastic Voyage' is a science-fiction movie with a different plot. In it, it seems that a certain Dr. Benes, who happens to be the sole holder of the secret for the control of the induced miniaturization of objects (which is greatly desired by both international political camps), has a blood clot in a vital area of his redoubtable brain. The only way to reach it is to shrink the eminent brain surgeon Arthur Kennedy to microscopic size, inject him into the good doctor's neck, let him travel in a submarine through the bloodstream to the brain, and there have him shoot the offending clot to smithereens with a laser beam.

One hour

Elementary.

But the catch is that the miniaturizing effect lasts for but one hour, after which all particles revert to normal size. Radio operator Stephen Boyd, the submarine's designer, a circulatory expert, and last, but not box-office-wise least, Raquel Welch, the surgeon's trusted 'technician' accompany him on his journey.

Aside from a series of incredible special effects, the film has little to recommend it. Although it may not seem possible, tedium sets in rather quickly. There are simply too many views of red corpuscles whizzing by the craft, too many people getting caught in bunches of nerves, and too much pacing up and down by the director of the project back in the control room. To top off these elements of boredom, the plotting becomes further bogged down in the sort of good-guy-turned-saboteur motif stocked in Hollywood by the hundreds. When the laser gun is damaged or when a line connecting one of the travelers to his craft is cut, we need none of Mr. Boyd's remarkable deductive powers to determine the culprit.

Poor screenplay

In a film such as this, acting,

'FANTASTIC VOYAGE,' produced by Saul David; directed by Richard Fleischer; starring Stephen Boyd, Raquel Welch, Arthur Kennedy, Donald Pleasance; released by Twentieth Century Fox; now playing at the Circle Theatre in Brookline through November 9.

and screenplay would normally be irrelevant, but here they are flubbed badly enough to deserve special notice. If the producer was looking for a wooden Indian for his lead role, he made a fine

choice in Mr. Boyd, who is complemented perfectly in this respect by Miss Welch. The philosophizing put into Mr. Kennedy's mouth by the writers drops like so many lead bricks. Undoubtedly, much of the film would have been better played tongue-in-cheek, but then again, Boyd is probably funnier the way he is. If you don't immediately become fascinated by the visual effects, I would advise taking your leave.

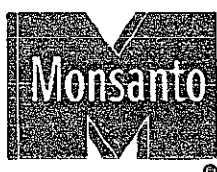
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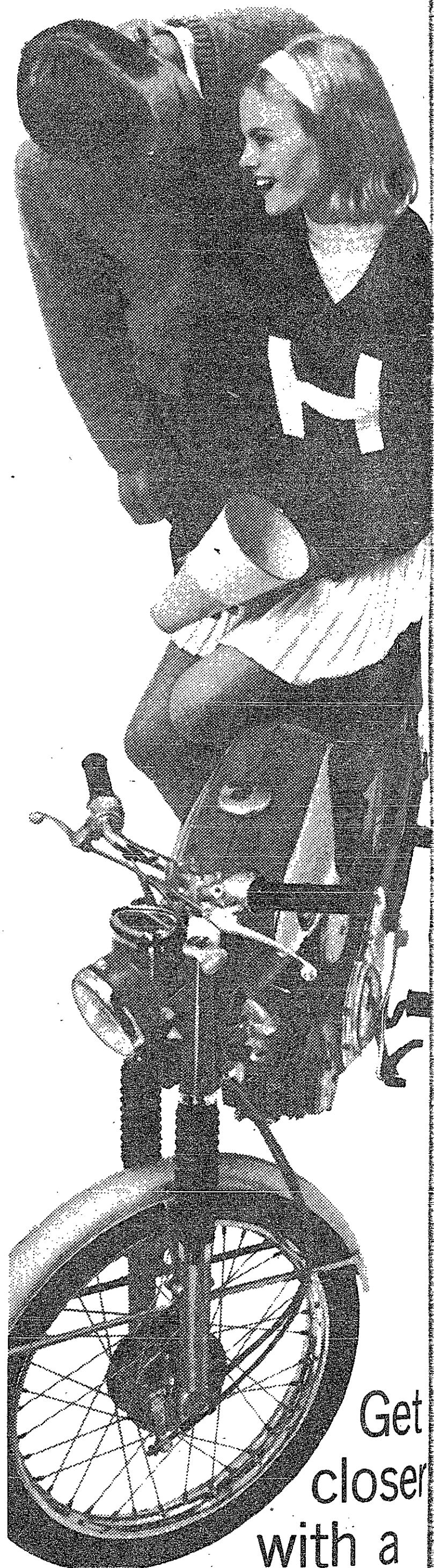
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\$70,000 in Sloan grants to aid Negro med students

To help increase the disproportionately low number of Negroes in medical practice, the Alfred P. Sloan Foundation has granted \$70,000 to provide four-year scholarships to US medical schools for outstanding Negro college seniors. Ten recipients will be chosen for the awards by National Medical Fellowships, Inc. of Chicago.

This program was initiated in 1959, and the present grant represents the eighth time the Sloan Foundation has given money. The total assistance provided by the foundation now totals over one half million dollars. Seventy-seven Negro students have benefited from this program.

This year's scholarships are for students planning to enter medical school in the fall of 1967. Registration blanks and further information may be obtained by writing to National Medical Fellowships, Inc. 5545 S. University Avenue Chicago, Illinois 60637

All applications must be filed by March 1, 1967.

Projects varied at Brookhaven

By Dave Kaye

Over the past few months, MIT has been associated with such projects as irradiating 15 tons of bacon, examining Marshall Islanders, and theorizing about protons and the structure of the moon.

Nine Eastern universities (MIT, Columbia, Cornell, Harvard, Johns Hopkins, Pennsylvania, Princeton, Rochester, and Yale) sponsor an organization known as Associated Universities, Inc. This group has over-all management responsibility for the development and operation of Brookhaven National Laboratory and the National Radio Astronomy Observatory, in Green Bank, West Virginia.

Cobalt-60 used

Brookhaven National Laboratory completed irradiation of fifteen tons of bacon July 8 in the first large-scale field test of the application of gamma radiation in the sterilization of perishable foods. 850,000 curies of radioactive cobalt-60 at Brookhaven's High Intensity Radiation Development Laboratory produced the radiation which will enable the Army to store and transport the bacon without refrigeration.

Super-magnet tested

During the summer, scientists

at Brookhaven also tested a superconducting magnet designed there that produced a continuous magnetic field of 140,000 gauss when operated at a temperature of 4.2° Kelvin. The magnet, the most powerful yet reported, is a prototype of a solenoid designed to produce a maximum field of 170,000 gauss when operated at a temperature of 1.4° Kelvin.

Fallout effects

A project of a rather different nature was undertaken by the Brookhaven Medical Center. Five people from Rongelap Atoll in the Marshall Islands of the Pacific arrived May 26 for clinical examination & possible surgery. They had nodules — a thickening or hardness — in their thyroid glands; the abnormality evidently was a result of exposure to radioactivated fallout from an

atmospheric nuclear detonation at Bikini twelve years ago.

Following the detonation of a thermonuclear device March 1, 1954, during atmospheric tests at the Pacific Proving Grounds, an unpredicted shift in winds caused the deposit of significant amounts of fallout on four inhabited atolls east of Bikini. Since that time the US Atomic Energy Commission and the Trust Territory of the Pacific Islands have sponsored annual medical surveys of the exposed people. The surveys are carried out by a Brookhaven National Laboratory team.

Given new village

Immediately after the 1954 exposure the people were evacuated to Kwajalein Atoll for treatment and were subsequently on Majuro Atoll until 1957, when they were returned to Rongelap. On their return to their home atoll, the United States provided them with a new village and other facilities and service to assist their re-establishment. The current population of Rongelap is about 228 persons. Last year Congress appropriated \$950,000 at "compassionate relief" payment to the exposed population.

Moon's hardness explained

A final example of work at Brookhaven National Laboratory is provided by a recent experiment by Dr. Arthur Damask which suggests that the hardness of the moon's surface, as established by the American Surveyor I and Russian Luna 9 satellites, could be a result of proton irradiation from the sun.

The observed hardness of the lunar surface is puzzling, as many astronomers had predicted that micrometeorites and the thermal stresses of the moon's temperature extremes would have churned the surface into a layer of fine dust, possibly several feet thick. Dr. Damask's experiment, which involved bonding a sample of silicon sand together by exposure to a neutron irradiation dose of 600 million billion (6 X 10¹⁷) neutrons in a nuclear reactor at the AEC's Savannah River Plant, has shown that radiation can bond silica sand, a likely constituent of the lunar surface, into a self-supporting solid mass.

Prof. Bridge appointed Space Center official

Professor Herbert S. Bridge has been named Associate Director of the Center for Space Research at MIT.

Professor Bridge is a physicist who has been a staff member at the MIT Laboratory for Nuclear Science since 1950. In recent years he has developed and carried out seven different interplanetary plasma experiments with equipment carried into space aboard NASA satellites and space probes.

The Center for Space Research, which is directed by Professor John V. Harrington, was established in 1962 to serve as a focus for space-related research being carried on throughout MIT. A new \$4,300,000 building to house the Center is under construction now on the North Campus.

Evangelical Chapel Series

M.I.T. Chapel—Wednesdays 7:00 P.M.

A weekly series of services arranged to present basic aspects of the Christian faith.

WEDNESDAY, OCTOBER 19

Speaker:

Dr. Roger Nicole, Gordon Divinity School

Topic:

The Christian Doctrine of Redemption

Through Jesus Christ men can be reclaimed from the futility of life without purpose:

"It is through Him, at the cost of His own blood, that we have been redeemed."—Colossians 1 (Phillips).

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Help wanted

Institute advertisements indicate job opportunities

Anyone browsing through the want ads of a Sunday edition of a Boston newspaper might be surprised to find several large ads bearing the familiar symbol of the Great Dome flanked by a large M and a large T, and backed by a large I.

MIT is actively engaged in finding men and women to fill the positions that periodically open up in various fields. Among the advertisements found in last weekends classified sections of the Boston papers were five ads for the Institute.

Qualified Heat and Vent Operators (2.93/hr.) were in demand, as well as Mechanical and Architectural Draftsmen (\$3.10/hr. to \$4.75/hr.) MIT is also looking for Detailers (\$2.67/hr.)

A special advertisement was devoted to the procurement of a Medical Technologist to perform laboratory testing and analyses in chemistry, urinalysis, and parasitology.

Another advertisement was for a Building Service Foreman, to assume complete responsibility for the nighttime cleanup of several MIT buildings.

Finally, MIT had an advertisement for clerical help. Needed are secretaries for the psychology Department, the President's Office and the Engineering Department. Openings also exist for clerk-typists.

The very astute reader might have also found an advertisement for Harvard. Wanted: Janitors.

Hillel lecture features famous archaeologist

Professor Yigael Yadin of the Hebrew University, Jerusalem, will give a lecture, illustrated with slides, on the excavations at Masada, Israel, in Kresge Auditorium Friday at 2:30 pm.

Masada, a rock 1300 feet high by the Dead Sea, was the site of uncompromising resistance to the Romans by the Jewish community in A.D. 73. Nearly 1000 Jewish men, women, and children chose suicide instead of surrender.

The professor is a noted archaeologist who helped unearth the site.

The former chief of the general staff of the Israel Defense Force, he helped bring about Israel's victory in the War of Independence in 1948 when, during entrapment of defense forces, he relocated ancient military routes while using the Bible as a guide.

The lecture, sponsored by the B'nai B'rith Hillel Foundation, is free.

600 attend SAElor dance



Photo by Jeff Reynolds

The Naildrivers, the SAElor band, filled in while the Just Five took a break at the SAElor dance Saturday. More than 600 togaed people attended the Roman Gladiator dance.

The Bulletin Board

Meetings and events may be included in this article and in the MIT Student Bulletin by filling out a form in the Incomm office or in Mr. Jim Murphy's office in the Student Center at least 12 days in advance of the week the event is to occur.

Tuesday, October 18

- 7:00 pm—Students for a Democratic Society. Student Center, East Lounge.
- 7:30 pm—Purchaser Manager's Council. Student Center, Mezzanine Game Room.
- 7:30 pm—Zeamer Squadron Meeting. Student Center, Rm. 467.

Wednesday, October 19

- 3:30 pm—Freshman Soccer. MIT vs New Hampshire. Briggs Field.
- 4:30 pm—Student Center Art Studios Demonstration. Speaker: Constantine Arvanites. "Demonstration of Acrylic Painting. W20-425.
- 5:00 pm—Club Latino. Student Center, Rm. 467.
- 7:00 pm—Debate Society. Student Center, Rm. 473.
- 7:00 pm—Sports Car Club. Student Center, Rm. 467.
- 7:00 pm—Student Chapter, American Society of Civil Engineers. Annual Dinner. Student Center, Sala de Puerto Rico.
- 7:00 pm—Evangelical Chapel Series. Speaker: Roger Nicole. "The Christian Doctrine of Redemption." MIT Chapel.
- 8:00 pm—MIT Math Club. Speaker: Prof. Moise. "How To Tell if An Overhand Knot is Knotted." Rm. 2-390.
- 8:30 pm—Social Service Committee. Student Center, Rm. 467.
- 10:00 pm—Lutheran Service. MIT Chapel.

Thursday, October 20

- 4:15 pm—Eta Kappa Nu Honorary. Student Center, Rm. 407.
- 7:00 pm—Tech Show Smoker. Student Center, East Lounge.
- 7:00 pm—Gilbert & Sullivan Society. Student Center, Rm. 491.
- 7:30 pm—Christian Science Organization. Speaker: Harry S. Smith. "What Is Success?." Student Center, West Lounge.
- 8:00 pm—Bahai Discussion Group. Student Center, Rm. 491.

Friday, October 21

- 2:30 pm—MIT Hillel. Speaker: Prof. Yigael Yadin, Hebrew University. "Masada." Kresge. Admission: Free.
- 5:00 pm—MIT Science Fiction Society. Spofford Rm., 1-236.
- 5:15 pm—Vedanta Service. MIT Chapel.
- 6:00 pm—Inter-Varsity Christian Fellowship. "Hootenany." Student Center, West Lounge.
- 7:00 pm—LSC Movie: "Viva, Maria." Rm. 26-100. Admission: 50c.
- 8:00 pm—Baker Mixer. Student Center, Sala de Puerto Rico.
- 9:00 pm—LSC Movie.

Saturday, October 22

- 10:30 am—Eta Kappa Nu Honorary. Election Meeting. Student Center, Mezzanine Game Room.
- 12:00 pm—Bridge Club. Fractional Game. Student Center, Rm. 407.
- 1:00 pm—Chess Club. Student Center, Rm. 491.
- 1:00 pm—Strategic Games Society. Student Center, Rm. 473.
- 1:00 pm—Course XXI Society. Picnic. Admission: \$1. Tickets 14-305. On the Charles.
- 1:30 pm—Society For Social Responsibility in Science. Speaker: Philip Morrison. "New Facts On Rosenberg-Sobel Case and The Nature of Secret Research." Student Center, East Lounge.
- 7:00 pm—LSC Movie. "The Silencers." Rm. 26-100. Admission 50c.
- 8:00 pm—Dizzy Gillespie Quintet Concert. Kresge. Admission: \$2.25, \$2.75.
- 9:00 pm—LSC Movie.

Sunday, October 23

- 9:15 am—Roman Catholic Mass. MIT Chapel.
- 11:00 am—Protestant Service. MIT Chapel.
- 12:00 pm—Protestant-Christian Association. Student Center, East Lounge.
- 12:15 pm—Roman Catholic Mass. MIT Chapel.
- 1:30 pm—Chess Club. Student Center, Rm. 491.
- 2:00 pm—IFC Band Auditions. Student Center, Sala de Puerto Rico.
- 4:45 pm—Roman Catholic Mass. MIT Chapel.
- 8:00 pm—LSC Classic Movie. "The Big Sleep." Admission 50c. Rm. 10-250.

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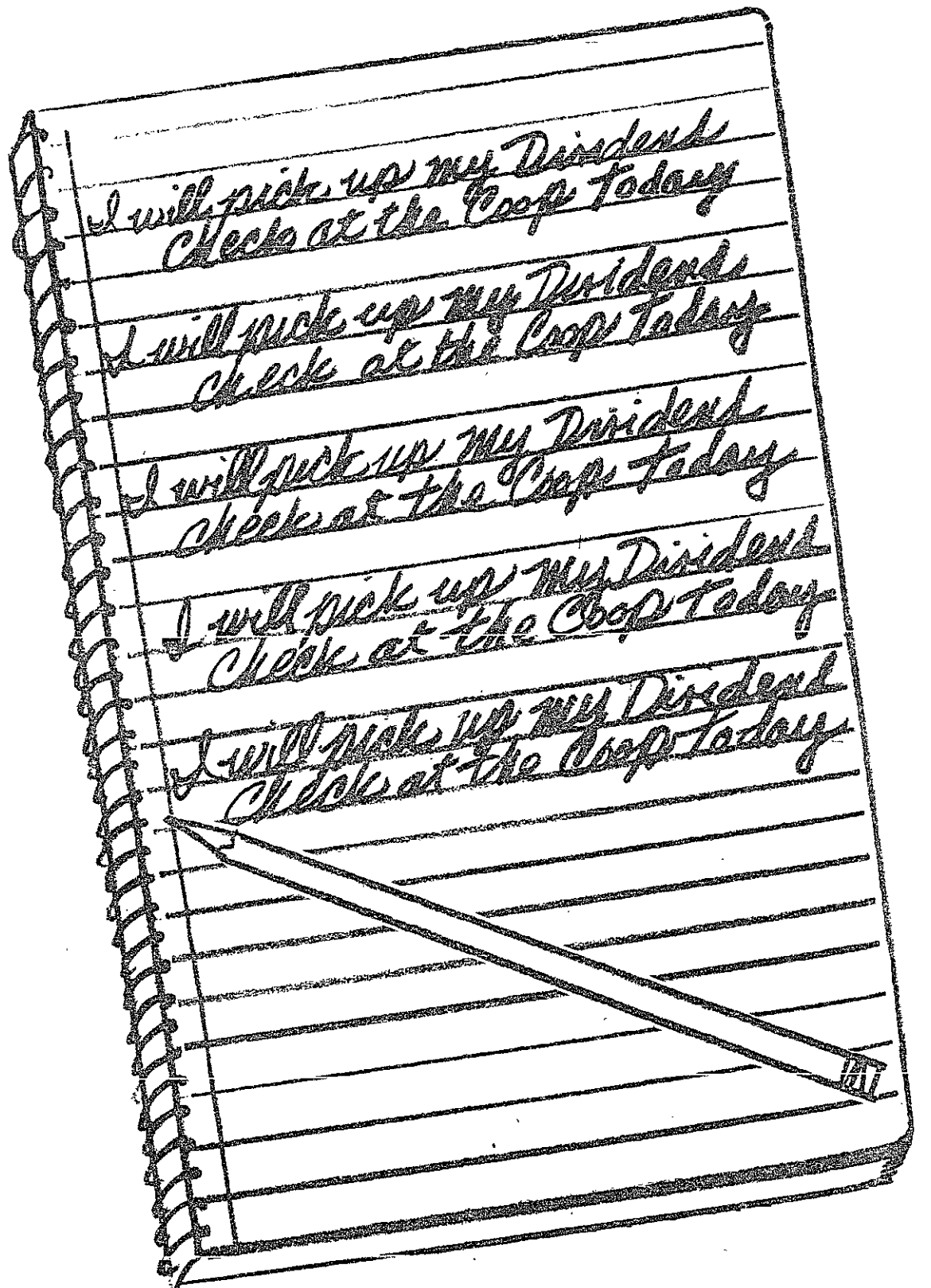
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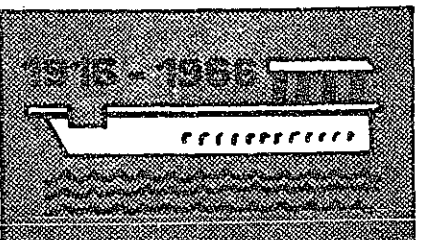
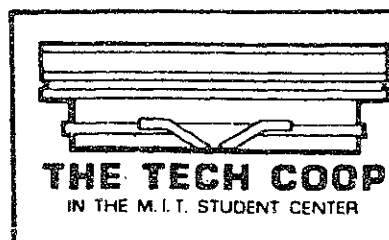
was broad-minded enough
to try somebody else's beer.
Then he went back to this one.



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Intercollegiate football voted out sixty-five years ago this month

By Barry Weiss

Every autumn sports pages are seemingly dominated by articles on intercollegiate football. Yet during this same season, when every college campus appears to be sopping with school spirit, MIT lacks an eleven.

Yet MIT did not always stand without an intercollegiate team. Records of football at Tech go back to the autumn of 1881 when the game was still a degenerate form of rugby. Football was still a hyphenated word at the time and the game was played in two innings rather than four quarters.

The first game on record was played at Exeter, Oct. 29, 1881. The Techmen won the bout by a score of 2-0; that is, two goals scored to none. The victory was quite a surprise, as the article concerning the game states: "(the win) . . . is rather to be wondered at, considering our poor chances for practice and the good ones at Exeter." The Techmen of '81 went on to a fairly successful season, however, despite their lack of practice.

By 1890, football at MIT had developed more or less into the game we know today. Tech's season was average, as they defeated Brown and Exeter, tied Fall River, and lost to both Andover and Amherst. The Amherst game

was a humiliating slaughter in pointage and men. The score was 38-4 and so many players had been injured in that game, along with several others earlier in the season, that the whole league cancelled all upcoming games.

MIT had even more problems concerning football than did all her league competitors. Apparently, the Institute was unwilling to designate a group of instructors as the coaching staff and bring some true organization to the Tech gridiron.

Through the 1890's, MIT suffered one humiliating defeat after another and an extraordinary amount of injuries. Finally came that infamous day in MIT history when by undergraduate vote, intercollegiate football was abolished.

The story goes that a mass meeting of undergraduates was held Oct. 11, 1901 addressed by President Pritchett. He spoke unfavorably towards football at the Institute because he felt very few men had enough time to devote to the game. After President Pritchett had spoken, most of the students in attendance left, thinking that the meeting was over. On the contrary, the students remaining put the existence of intercollegiate at MIT up to a vote. It was banned by a score of 119 to 117.

Since then, groups of students have requested a rejuvenation of intercollegiate football every three or four years. Last year, after considerable study, the Athletic Board voted down the proposal once more.

CAREER NEWS FROM HUGHES

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ATS (Applications Technology Satellites)
AIM-47A/AIM-4E Missiles
VATE Automatic Checkout Equipment
CORDS

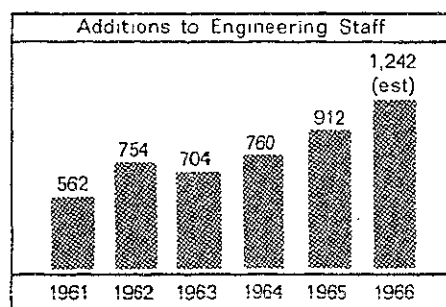
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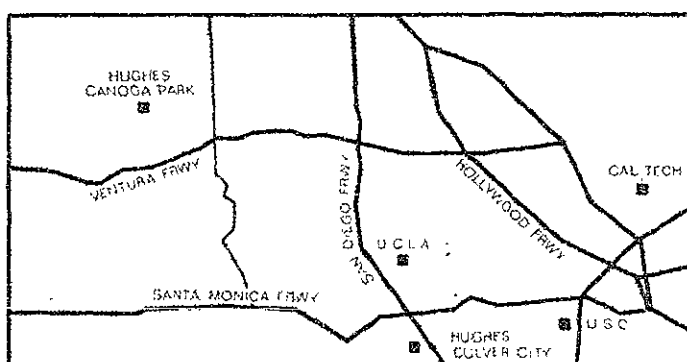


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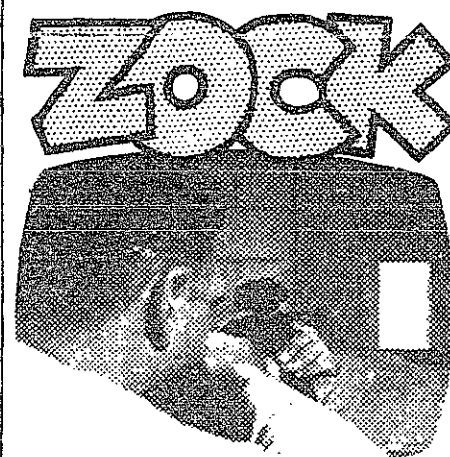
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October 31 & November 1

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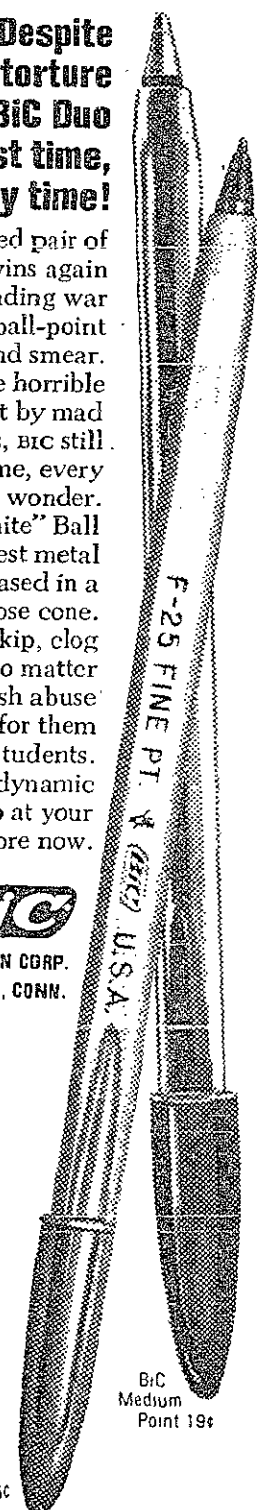
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Frosh sports

Harriers run past UNH; Wilson paces 25-31 win

By Stan Kask
The University of New Hampshire felt the sting of Tech's freshman cross country team Friday afternoon. The final score was 25-31. New Hampshire followed in the footsteps of WPI, RPI, Wesleyan, and Coast Guard, as they also have been victimized by the fleet-footed frosh.

Ben Wilson led the field again, by covering the 2.5 mile course in 12:50. Teammates John Owen and Larry LaDrew finished third and fifth. The harriers will try Friday for their third triangular meet victory and for their fourth victory of the season, without a de-

18 students participate in Texas Instruments summer job program

Eighteen MIT students participated this summer in a development program offering technical and managerial experience sponsored by Texas Instruments Incorporated. Participants in this program are chosen for their leadership abilities, job experience, and extra-curricular activities.

The MIT graduate students are Theodore Cruise, Joseph Patterson, Mark Barron, John Kassakian, Donald Hartmen, P. C. Lindsey, John Halkyard, Vade Forrester, Paul Kasameyer, Frank Fenoglio, William Adcock, Robert Chank, and seniors Tommy Tennison, Gerald Tomanek, Harold Granek, Thomas Browncombe, Jearl Walker, and Richard Graber.

feat. Their opponents will be Tufts University and Matignon High School.

Harvard routs booters

Harvard's freshman soccer team breezed by MIT's frosh Saturday, by a score of 8-0. This was the second loss in three starts for the freshmen. The game looked like a complete reversal of last week's victory over Tufts. The offensive team could not mount a sustained attack. The problem of teamwork, which was so prevalent in the first match, recurred Saturday. This factor greatly reduced the scoring potential.

Problems, however, were not restricted only to the offense. In the confusion surrounding the MIT goal, and despite valiant efforts by goalie John Gerth, the Tech defenders accidentally kicked in three goals for Harvard.

Even though Harvard was given three points, their offense should not be underestimated. The five goals they scored were long and accurate shots that left Gerth helpless. The frosh will attempt to even their record tomorrow afternoon against the University of New Hampshire.

67.5% of Negroes flunk Army test

By Mickey Warren

More than two thirds of all Negroes tested for induction into the armed forces over the past eighteen months failed the Armed Forces Qualification Test according to an Office of Education report.

This figure was reached in a survey of American educational performance to be published in the October issue of American Education and released after considerable reluctance by the Department of Defense.

According to the breakdown, 67.5% of all Negroes taking the examination failed it, compared with a non-Negro failure rate of 18.8%. The National failure rate for all races was 25.3%. Washington, D.C. had the highest total failure rate, 55.3%. The state of Washington had the lowest overall failure rate, while in South Carolina, which had the highest combined failure rate, 85.6% of all Negroes and 21.8% of all whites failed.

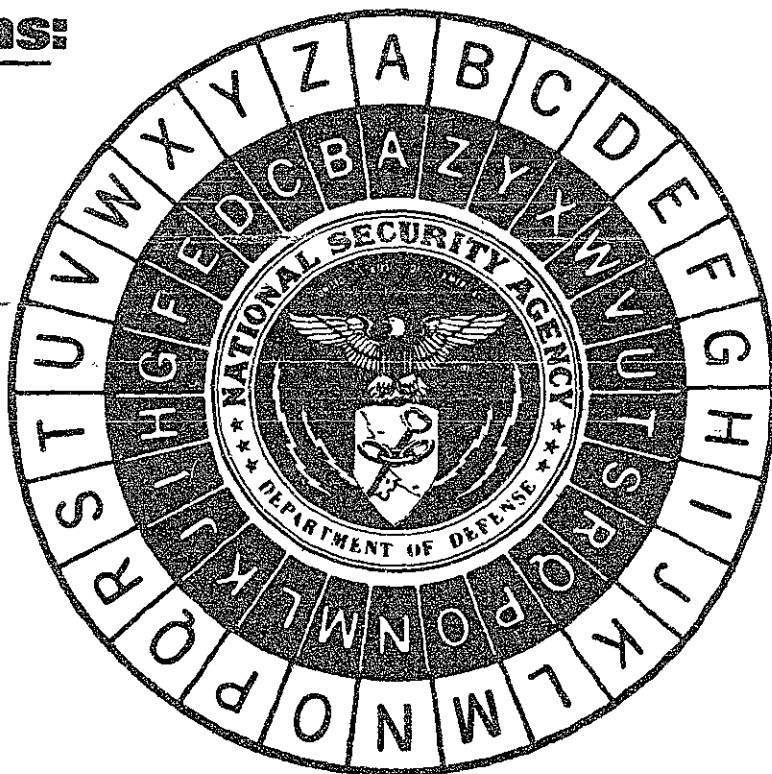
The survey was prepared by Mrs. Caryl Conner, editor of American Education, and Professor Richard Neufille of MIT. They found that the results were closely correlated to the quality of education available to Negroes. Mrs. Conner cites the Armed Forces Qualification Test as one of the best indications of United States educational performance in existence.

The racial breakdown of the failure rates was difficult for the Department of Defense was not at first willing to part with this information. It was not until Professor Neufille obtained the classification number on the file in which the information was held that the figures were made available. Generally, the survey found rejection rates highest in the South, and lowest in the middle and far West.

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MIT places 4th in co-ed volleyball; next tourney in November at BU

By Sue Downs

One intercollegiate competition of which few people are aware is the Boston area Coeducational volleyball team. These games are open to schools in the Boston area. The participating teams

Montreal beats MIT Rugby Club

Montreal defeated the MIT Rugby Club 6-0 Sunday, in a game played at Montreal. Montreal's first score came on a penalty kick from one and a half yards. The penalty was called because of a "hands in the scrum" violation, and Montreal picked up three points. The final goal of the contest came in the closing minutes, when Montreal ran it in.

There were no outstanding plays in the game except for those resulting in scores.

must consist of four boys and four girls and must be aware of such rules as having a member of each sex hit the ball each time it is on the team's side.

Such a meet was held at Brandeis Thursday. Representing MIT were Carol Geisler '68, Silvia Szmuk '69, Leigh Dresser '70, Carol Scherer '70, Harry Goldmark '68, George Goldmark '68, Oswaldo Psuesner '67, and Richard Cutler '67.

Due to insufficient time for preparation, the team placed only fourth out of eight teams. However, with the enthusiastic spirit, the team looks promising, and will undoubtedly do better in next month's meet at Boston University. The group plans to hold regular practice, open to the Institute. Anyone interested should plan to attend. More than one team may be entered. Anyone interested should contact Carol Geisler, x5961.

First loss for Banner

URI upsets Tech golfers

Tech's varsity golfers last week went down to their first defeat of the season, losing to Rhode Island 4-3 at the Oakley Country Club. Gerry Banner '68 suffered his first loss of the season as URI's Paul Quigley overcame him, 4 and 3. Quigley was second to Banner in the ECAC qualifying round by one stroke.

Captain Travis Gamble '67 also lost to Paul's brother, Dave, shooting a 79 to drop the match, 6 and 5. The bright spots of the match, however, were the performances of two sophomores, Tom Thomas and Greg Kast. Thomas shot an 80 to go 4 and 3 over his URI opponent, while Kast won one up on the eighteenth hole.

Jack Rector '68 lost to his opponent on the eighteenth green, one up, while Mike McMahan '69 dropped his match, 3 and 2.

Tech's only other win came

when Dave McMillan '67 downed his URI opponent one up on the nineteenth hole. McMillan lost the first four holes to pars, but won the next five to go one up at the turn. He lost four of the next six to go three down, with three to play. But, he then won the next three to halve the match, sinking a three-foot putt on the last hole. In the playoff, he two-putted a nineteen feet for a par four to

win the match on the nineteenth hole.

The Techmen will have another chance at the URI team Saturday at the finals of the ECAC in Bethpage, Long Island. Last week, the Beavers downed this same team at the qualifying round in Burlington, Vermont, by four strokes. If all his men are up to par, Coach Merriman can look for a successful round.

JV team loses early lead; Leicester College gains tie

By Paul Baker

The JV soccer team blew a 2-0 lead in the fourth quarter of the game, and was forced to settle with a 2-2 tie against Leicester Junior College, Friday afternoon at Briggs Field.

This game followed the pattern of their first one. The MIT team

dominated the play for most of the game. They had excellent ball control and their short passing game was good. They moved the ball very well up and down the field, taking good shots, and preventing Leicester from sustaining any offense.

With the game seemingly in the bag, however, the first team was removed in the fourth quarter and the second and third teams took over.

Leicester then scored on a fluke play. An MIT fullback, attempting to clear the ball, accidentally kicked it into his own goal. Leicester managed to score later in the period to tie the game.

The next JV game is scheduled for Thursday afternoon, November 3, against Boston University, at Briggs Field.

White Water Club scores in slalom

MIT's White Water Club has been participating in an active race schedule.

Tom Wilson '67, club president, placed first in the mixed canoe class of the white water slalom held last week in New York. Wilson's partner in the fibreglass racing canoe was Dr. Barbara Wright of Harvard. Wilson also took third place in the kayak event, and teamed with John Rule of Northeastern to place sixth in the two-man canoe class.

These wins, combined with his excellent performance at the Eastern Slalom Clinic held last summer, place Wilson in strong contention for a berth on the United States team to the World Championship White Water race to be held in Austria next June. His competition comes from Dartmouth, Cornell, Harvard, BU, and Penn. State, as well as other schools.

IM hockey opens after Thanksgiving break

IM hockey manager John Schwarz '67 announced this past week the start of the 1966-67 hockey season. The tentative opening date will be right after Thanksgiving vacation. The league set-up, much the same as last year, will have A, B, and C divisions. It is urged that teams honestly evaluate themselves so as to provide better competition within the different leagues.

This year, as in the past, there is a desperate need for referees. Anyone able to skate and somewhat familiar with ice hockey rules should contact John Schwarz at 267-6330 or x3205. (It should be noted that referees get \$2.50 per game.)

Any questions concerning either undergraduate or graduate intramural ice hockey should also be directed to the IM manager.

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Betas to face SAE for IM title

By Herb Finger

Possibly the best game in IM football history ended in a victory for Sigma Alpha Epsilon over Delta Tau Delta Saturday. The battle of the offenses started with SAE's first set of downs. The SAE'ers got the ball on the twenty and proceeded to march down the field behind the excellent passing of Fred Souk '67 to receivers Don Rutherford '67, Bruce Wheeler '70, and Jack Mazola '66.

Souk hit Rutherford for a 15-yard gain which brought the ball to the two. Souk then ran off tackle for the score. The extra point made it 7-0 SAE.

The Delts then took command of the ball and the game. Art Von Waldburg '67 hit Bob Wyatt '68 for a few short passes and moved the Delts across midfield. Von Waldburg then hit setback Don Raab '67 on a little swing pass and Raab took the ball in for the score. The extra point to Joe Dickey '66 tied the game at 7-7.

Late in the second period however Souk brought the SAE'ers down to the two. Souk again ran off-tackle for the second SAE touchdown. The extra point failed making the tally 13-7.

Delts score

In the second half, the Delts began another drive, with Art Von Waldburg again hitting ends Wyatt and Dickey and bringing the Delts within scoring position. Von Waldburg then connected with Don Raab who raced in for the equalizer. Bruce Wheeler '70 blocked the tie-breaking extra point to leave the game deadlocked 13-13.

Sudden death

At the end of regulation play the score was still 13-13. In the first sudden death overtime the Delts took the opening kickoff but failed to move anywhere. Souk and company also could not put on enough of a drive to get to paydirt.

At the end of the first sudden death period it was announced that the team with the most first downs at the end of the second overtime period would be declared the winner. Toward the end of the second overtime, with the score tied and the first downs tied, Fred Souk flipped a flare pass to Bennett, who went in for the score and the victory.

Betas roll

The second semi-final game did not prove to be as much of a thriller as the first. Beta Theta

Pi, perennial leaders in IM football, came one step closer to capturing another IM crown by defeating Delta Upsilon by a score of 20-0.

Taking the opening kickoff, the Betas marched down to the five on passes to Jim Cormier '68 and Greg Wheeler '67 before being halted by the DU line. Another Beta drive was stopped on a DU interception by Tom Newkirk '67. DU drove to the 20 but stalled on the fourth down to give the Betas the ball.

In the second quarter DU again moved the ball, this time up to the Beta 30. The Betas took the ball but were forced to kick. Tom Chen '68 downed the ball on the DU 1 leaving the DU offense with their backs to the wall.

Two plays later Beta halfback Steve Schroeder '67 intercepted a Denny Ducsik '68 pass and returned it to the 10. Three plays later Schroeder hit Jim Cormier '68 to open the scoring. The Betas succeeded in the extra point conversion with a pass to Greg Wheeler '67, thus making the score 7-0.

On the first play from scrimmage in the third period, Schroeder hit Cormier down the sidelines to give Beta the second score. The PAT to Wheeler made it Beta 14-0.

DU drives

DU put together its strongest drive when Dean Whelan '70 intercepted a Schroeder pass. The DU's then marched from the DU 30 to the Beta 5 on screens and a long pass to Larry Taggart '67. But the attack stalled at the five. Steve Schroeder snagged a Ducsik pass in the end zone to give the Betas the ball on the 20. The Betas then rolled up the field primarily on running until Kent Groninger '63 went in for the final tally.

On Saturday the Betas and SAE will clash to decide the IM crown.

Games scheduled for last Sunday have been re-scheduled for this coming weekend. Subsequent

There will be a meeting Thursday afternoon at 5 pm for all those interested in playing Freshman hockey. This is your chance to earn your freshman numerals and play the world's most exciting sport. If unable to attend, contact Nick Stockwell '69 at x3782.



Photo by Jeff Reynolds

Don Rutherford '67 hauls in a Fred Souk '67 pass before being tagged by Delt halfback Joe Dickey '66 in IM action Saturday.

games will be played a week from Sunday.

Other games played this weekend:

- LXA 37, Baker "A" 0
- SAM 26, ZBT 0
- ATO 2, Senior Hou 0
- Pi Lam over EC "A" (forfeit)
- SAE "B" 20, Bexley 3
- SAE "B" 13, Kappa Sig 7
- EC "B" 25, TEP 19
- Westgate 6, Grad Econ 0

Soccer team loses twice

By Paul Baker

MIT's varsity soccer team dropped its record to 1-4-1 by losing two games during the past week, one to Tufts and one to Amherst.

The Engineers were topped 3-1 at Tufts Thursday afternoon. Tufts opened the scoring with a goal in the first period, and scored one in both the second and third periods. Tech managed to make the scoreboard in the third period, when Bayo Agadi '67 booted one in from his forward position. Rick Gostyla '67, co-captain of the team, was credited with an assist for the goal. Later in the third period, Agadi was ejected from the game for roughing the goalie. Agadi ran into him after he made a save.

MIT played a generally poor game. They had trouble with their passing and shooting, and they lacked good ball control.

The Tech booters were crushed 7-0 Saturday afternoon at Amherst. The team played well in the first half, allowing only two goals, but in the third period they collapsed. Amherst scored after only 30 seconds of play in the

MIT 1st at Coast Guard

Sailors sweep regatta for Fowle Eliminations

By Jeff Goodman

MIT sailors swept the Fowle Trophy Eliminations Regatta at Coast Guard Academy Saturday. The Engineers beat Harvard, UConn, Yale, Trinity, and Wesleyan. In the words of Captain Chet Osborne '67, "Nobody could touch us."

The regatta was a team competition consisting wholly of dinghies. In this type of race, two schools sail four boats at once. The total team score determines the winner. Chet Osborne '67, Dick Smith '69, Joe Ferreira '67, and Tom Maier '67 skippered Tech's four dinghies all of which won.

In this competition, strategy as well as skill is decisive in determining the victor. Besides displaying excellent speed, the Engineers managed to maneuver their boats into a position so as to cut off competing dinghies.

Team gains experience

Wind conditions on Saturday were light to moderate. Coupled with the light wind were very heavy currents. Sailors to this point had been inexperienced in navigating under these conditions. This is a good indication that the team is shaping up. At the be-

ginning of the season the sailing team was basically good but inexperienced because graduating students had filled prime spots. Now sailors can look forward to future victories with some experience under their belts.

As a result of Saturday's victory, MIT will compete along with Coast Guard Academy, URI, and Harvard for the Fowle Trophy in three to four weeks at Coast Guard. The sailors should have a very good shot at the Fowle Trophy as the results of the Eliminations show.

Tech's major strength lies in the dinghy class. It is in this class from which most of the victories come.

How They Did

- Soccer**
- MIT (V) 1, Tufts 3
- MIT (V) 0, Amherst 7
- MIT (JV) 2, Leicester 2
- MIT (F) 0, Harvard 8
- Rugby**
- MIT 0, Montreal 6
- Golf**
- MIT (V) 3, Rhode Island 4
- Cross Country**
- MIT (V) 36, New Hampshire 21
- MIT (F) 25, New Hampshire 31
- Sailing**
- Varsity won Fowle Trophy Elimination



Photo by Jeff Reynolds

John Soul '68 boots the ball from an Amherst defender as Captain Rick Gostyla '66 looks on. The Techmen found the going a bit rough, however, as they dropped their third in a row 7-0.

period, and then scored again beat in a scrimmage early in the on'y ten seconds later. Amherst completed the slaughter, scoring another goal in the third period and two more in the fourth. Co-captain George Jones '67 played particularly well for MIT.

The Engineers meet Boston University, a team which they

On Deck

Tuesday, October 18

Cross Country (V)—Springfield, Boston College, Away, 4 pm

Wednesday, October 19

Soccer (V)—Boston University, Away, 8 pm

Soccer (F)—U. of New Hampshire, Home, 3:30 pm

Tennis (V)—Brandeis, Home, 3 pm

Viola takes first in bridge tourney

Joe Viola '69 won the Individual Championship of the MIT Bridge Club Saturday afternoon in the Student Center. The runners-up were Dick Freedman '65, Ngok Ming Cheung '68, John H. Lindsey II from Harvard, and Paul Flashenberg '70.

Next week's game will be held Saturday at 1 pm in room 407 of the Student Center.

Edge Fijis by three

Kappa Sig takes cross country crown

By Larry White

The annual intramural cross-country meet was held Sunday on Briggs Field, and unheralded Kappa Sigma came through with a fine performance to edge the Fijis by three points.

The weather was quite merciful as a rain storm held up until just after the race was run, but it was cold, and this slowed the times considerably.

As the gun fired, 143 runners sprinted off in the first of two laps around the course. As usual, it became apparent quickly who was in shape as a group of about twenty runners pulled away from the pack to stay. At the halfway mark the time was 4:52. With about 1/4 mile to go, there were about ten runners bunched near the lead. Mic Curd '69 of Phi Gamma Delta held on in the final sprint to win in a slow 9:49.3.

Depth counts

Kappa Sigma failed to place

any of its runners in the top ten, but they showed good depth as they placed 13th, 16th, 28th, 36th and 42nd. The winning team was composed of Scott Rhodes '69, Brian Mackintosh '70, Beau Cox '67, Fred Furtek '66, and Bruce Kraemer '69. Defending champion Betas showed up late due to a misunderstanding about starting time.

IM Cross Country Results

1. Kappa Sigma 135
2. Phi Gamma Delta 138
3. Phi Delta Theta 188
3. Baker "A" 188
5. Sigma Chi 195
6. Ashdown 202
7. Beta Theta Pi 212 (showed up late)
8. Burton "A" 230
9. Sigma Nu 247
10. Theta Delta Chi 270
11. Phi Beta Epsilon 275
12. Sigma Alpha Epsilon 295
13. Sigma Phi Epsilon 328
14. Lambda Chi Alpha 348
15. Delta Upsilon 350
16. Pi Lambda Phi 352
17. Phi Sigma Kappa 412
18. Phi Kappa Sigma 414
19. Chi Phi 447
20. Delta Tau Delta 455
21. Lambda Chi Alpha "B" 478
22. Phi Delta Theta "B" 520
23. Alpha Epsilon Pi 522
24. Burton "B" 527
25. Theta Xi
26. Kappa Sigma "B" 546
27. Tau Epsilon Phi 602

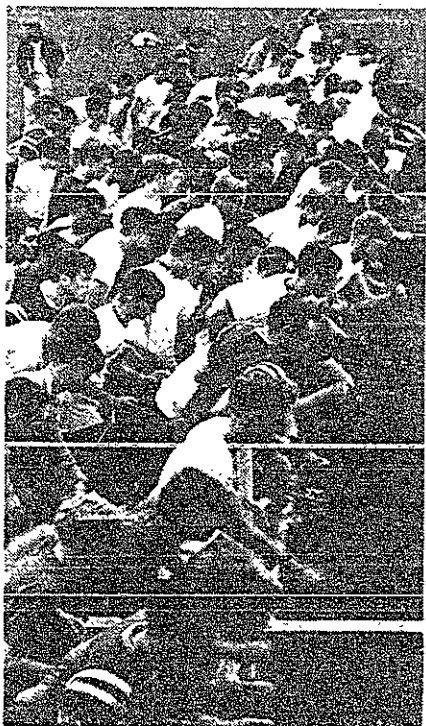


Photo by Jeff Reynolds

143 runners take off as the starting gun fires in the beginning of the IM Cross Country meet. Kappa Sigma won.

Second-class postage paid at Boston, Massachusetts. The Tech is published every Tuesday and Friday during the college year, except during college vacations by The Tech, Room W20-433, MIT Student Center, 84 Massachusetts Avenue, Cambridge, Massachusetts 02139. Telephone: Area Code 617, 876-3555, and 864-6900 extension 2721. United States mail subscription rates: \$4.25 for one year, \$8.00 for two years.