

# The Tech.

VOLUME 91 NUMBER 52

FRIDAY, DECEMBER 3, 1971

MIT, CAMBRIDGE, MASSACHUSETTS

FIVE CENTS

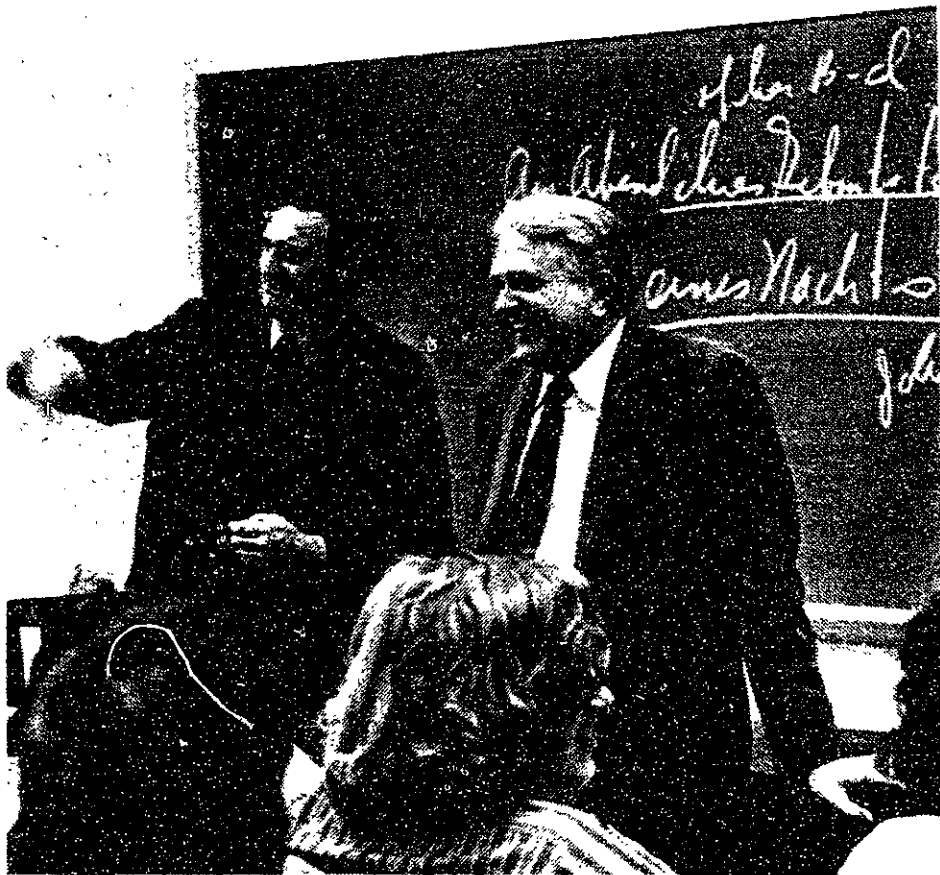
## Project to attack pollution

By Bert Halstead

"A \$30-Billion Research Program to Develop A Pollution-Free Power Source" is the plan of Mr. Lee Sillin, chairman of the Northeast Utilities Company.

Over forty faculty and students crowded into a classroom in Building 1 to hear Mr. Sillin outline his "Prometheus Project" to a Mechanical Engineering Macro-engineering Seminar. The "Prometheus Project" is a plan for developing a pollution-free source of electric power by spending a billion dollars a year for the next thirty years.

Sillin had only been expecting an audience of six or seven, so he had not planned an extensive presentation. Nevertheless, he consented to give a brief sketch of his plan. "Given that society is dependent on forms of energy in order to survive," he said, we must find an energy source which will provide sufficient energy without harmful side effects, such as pollution. He called for "some kind of genuine collaborative effort," and stated that the process of "reordering priorities" has "important consequences" in connection with this collaboration. Also mentioned was the need for something to fill the gap between the present and future



Lee Sillin [right], chairman of Northeast Utilities, and his listeners take time out during his presentation for a ME Seminar. Sillin had been describing to his audience "Project Prometheus."

Photo by David Tennenbaum

development of this ultimate energy source.

Mr. Sillin then discussed the various organizational details of administering the "Prometheus Project." He talked of various and sundry boards composed of pub-

lic and private members, national and regional research efforts, six regional supervisory organizations, and so on.

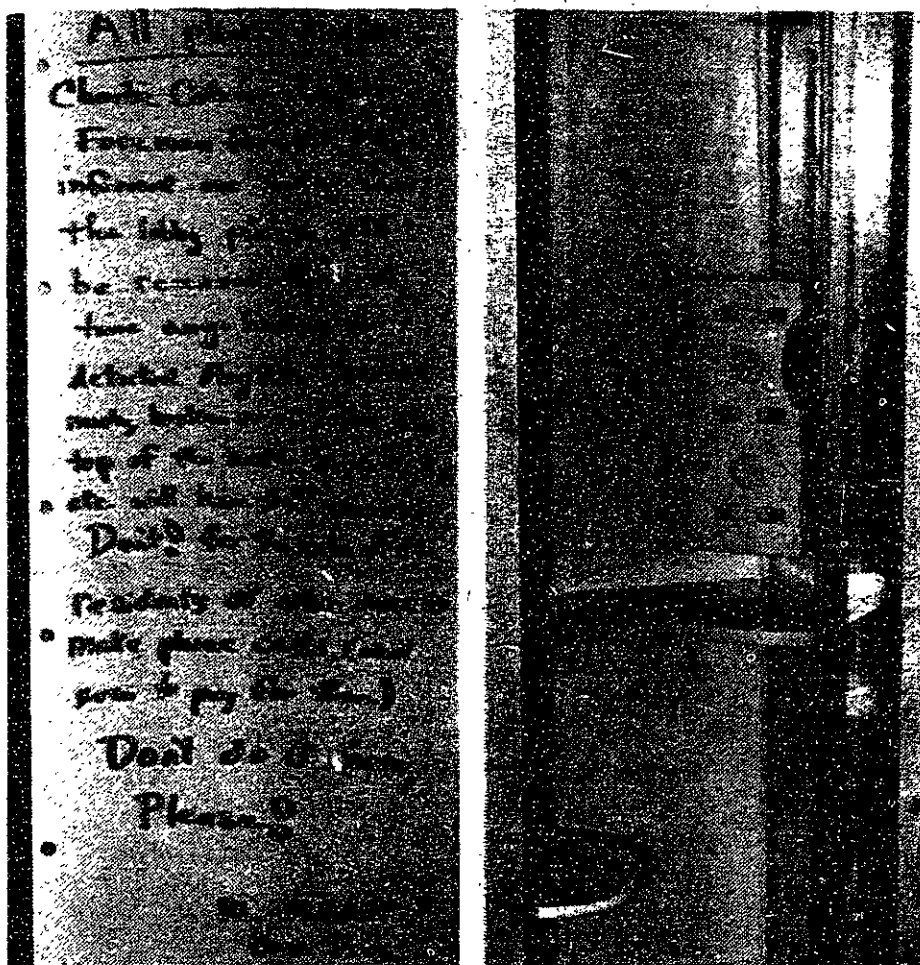
These arrangements were later attacked by a questioner, who said that rule by committee was one way to assure that nothing would ever get done, and suggested an approach such as that used in World War II, handing the whole problem to some large corporation to solve. Sillin replied, however, that the effort must not become monolithic, but rather should be "collaborative and competitive." Industry, he stated, would doubtless rise to some level of commitment, but he feared it would not be enough. He closed by soliciting ideas from the group on overcoming problems such as funding, antitrust legislation, the inertia of regulatory bodies, and so on.

As one questioner noted, the talk almost completely passed over the issue of what technical direction research should take once it begins, and concentrated instead on the social and political problems involved in implementing the project.

tors. Several hundred scientific and medical personnel from America, Europe, and Indochina are expected to participate, representing organizations concerned with medical and scientific aid to the Indochinese peoples and with health services of these countries.

According to Signer, "we are going to this conference in hopes of putting something in and hopefully getting something out. We want to let these other countries know what the US is doing with regards to research and government programs to help alleviate the problems of the Indochinese, that is, what kinds of acts are being carried on to give medical education aid to these people."

(Please turn to page 3)



## Phone hacks in Baker result in total removal

By Paul Schindler

Now, New England Telephone and Telegraph (NET&T) has finally decided that talk is cheap. The pay phones have been removed from Baker House.

The story starts last spring, when phone hacking at MIT started to pick up again after a period of low activity. Phone hacking has seemingly been cyclical over the years, dying down as students perceive threats of removal as being more serious, picking up when reminders become less frequent. The most recent round, due in part to advanced technology on the side of the phone hackers, has been the most expensive ever.

Unusually large phone bills were turning up, charged to Ash-down public phone booths. The third floor alone ran up \$324 in calls to Warsaw, Bombay, England, and Egypt in three weeks, for which NET&T received nothing. Over a period of three

(Please turn to page 2)

## Alumni favor management

By Lee Giguere

MIT alumni, as they advance in their occupations, tend to hold managerial rather than technical positions.

Professor of Management Edgar Schein reported this and other findings of a survey of MIT alumni from the classes of '51, '55, and '59 to Monday night's meeting of the Alumni Advisory Council.

Inquiries were sent out to 2,227 members of the three classes (chosen because they have been out of MIT "long enough to be established"); the reply rate to the complex questionnaire was 61%. Schein explained that the survey was an attempt to examine "what is the relationship between education and career," and sought information about the respondents' occupations, job histories, employers, income, perceptions of education, values, satisfaction and a number of other areas.

The survey revealed, in particular, that of the members of the class of '51 who replied, 52% were in management. For the class of '55, the percentage was 48%, and for '59, 29%. The fraction of alumni engaged in careers in education increased

from 5% for '51 to 17% for the class of '59, and the percentages working for non-profit organizations were 12% in '51, 18% in '55, and 26% in '59. 46% of MIT's engineering graduates from these classes are engaged in management, while only 27% are employed as engineers. Among replying science graduates, 29% are professors of science, 21% are employed as scientists, and another 21% are managers.

Generally, the survey indicated that alumni holding management positions earned more than those employed as scientists and engineers. Further, Schein explained, while there is no clear correlation between "feelings of success" and income within career groups, if the results are tabulated by occupations, there is a close correlation.

Role innovators (people who redefine the role of an occupation), the survey revealed, tend to rate highly concern for social problems and opportunities to contribute to society. In addition, the survey showed that such role innovators like to work "in the fringes" rather than at "the core" of their profession.

Schein noted that scientists and engineers seem to find most

of their satisfaction in their family life, while the managers and the educators among the respondents found more satisfaction in their careers.

Examining the perceptions these alumni had of their education, the survey showed that they felt their post-school experience had contributed more than their education, especially in leadership and in their ability to work with people, in addition to job skills. Their formal education, however, contributed to the formation of positive attitudes towards further education and their ability to analyze and solve problems, to do research and to think creatively. Their MIT education, the respondents claimed, led to "high career aspirations."

Schein said that the survey left him with the impression that alumni feel "pretty good" about their MIT education, and would like to continue contact with MIT.

Alumni, he added, are particularly interested in being kept abreast of new developments in their fields, in the impact of technology on society, and in environmental and urban problems.

States delegation going to the Conference. Other organizations from the Boston area represented in the US delegation include the Physicians for Social Responsibility, Medical Aid for Indochina, and Science for Vietnam.

Signer and the rest of the delegation left Thursday night for the Conference which is being held in Paris, France on December 4 and 5, 1971. The Conference is being sponsored by an International committee of scientists and doc-

## Signer attends conference

By Walter Middlebrook

"Because of the acuteness of the problems in Indochina and since I believe there is some useful purpose to be served by this conference, I'm attending the International Conference on Medicine and the Indochina War," declares Associate Professor Ethan Signer of MIT.

Signer, of the Biology Department and representing the MIT Peace Coalition, will be one of about ten members of the United

## ROTC policy change to aid draftable fresh

In a move which could prove to be beneficial for many freshman facing the prospect of the draft, the Army ROTC Program at MIT has announced that it will admit freshmen for enrollment beginning the second semester of the current academic year.

The change in policy was a result of the new draft law, which will give ROTC officials authority to grant 1-D deferments to all students enrolled in the program. The new classification postpones indefinitely military service, regardless of draft number, in anticipation of future service as an officer following fulfillment of degree requirements at MIT.

The ruling may be a sigh of relief to some students with low numbers, as voluntary enrollment in the program will allow the student to finish at least his undergraduate education before

facing the prospect of military service.

Completion of the ROTC program results in commission in the Army as a second lieutenant, and active duty following graduation ranges from three months to two years, with some opportunities available for completion of advanced degrees.

Beside postponement of military service, enrollment in the ROTC program also reaps financial benefits of \$50 per month per cadet for students in their third and fourth years of the program, an amount which will soon double if Congress passes the necessary legislation.

ROTC officials at MIT also indicated that juniors and graduate students will be considered for enrollment in the two-year program beginning September, 1972, but added that applications must be submitted early in the coming spring terms.

# NETT warns of excessive hacking

(Continued from page 1) weeks, phone bills totalling over \$700 were run up, in the category known to the phone company as "fraudulent usage." This drew their attention once more to MIT.

Fraudulent usage takes many forms at MIT, and although the details have appeared in many other places, they will not be repeated here. Cheating a pay phone can be done in at least three different ways. All methods have one thing in common: they are illegal.

The most destructive method involves drilling a hole in the phone and tampering with the relay which determines whether money is returned or sent into the collection slot. Pay phones cost \$180 each, and once one is drilled, it is useless and must be replaced. Armor plating has been added, but to no avail. The only result is the use of stronger drills by hackers.

Other, less destructive methods exist, such as diodes or "tone signalling devices" which are not destructive of property,

but nonetheless illegal. NET&T has no doubt come to rue the day that the tones used for long distance signalling were published and distributed nationally in one of its own journals (reputed to be probably the best read periodical in the engineering library).

Vandalism has been almost as serious as fraudulent use, and it has been most serious in recent weeks at Baker House. This category includes defacing, destruction, and coin box robberies.

Students have been counseled that there is a limit to NET&T's patience, but to no avail. A memo was sent out last May about pay phones, trying to warn people what would happen:

Subject: Telephone Service - Coin Telephones

A representative from the New England Telephone Co. (NET) has informed me that a large number of coin telephones located throughout the MIT dormitories have

been vandalized. In particular, the housing of the coin telephones have been tampered with in such a way as to enable a caller to place long distance or toll calls without inserting coins. Other coin telephones have been broken apart. Needless to say, these practices are destructive

spring when one repairman caught three people hacking, in three days, at Ashdown. They were caught making fraudulent calls of about \$50 each. And the phone company is sure that more calls are made than it finds out about.

When students returned in the fall, hacking resumed in full

Wherever phone service is being mis-used, it will be cut off. Wherever phones are being destroyed, they will be removed.

NET&T Coin Phone Representative

## Original Cafe

THE PLACE TO GO FOR EXCELLENT FOOD AND DELICIOUS PIZZAS AT A PRICE TO FIT YOUR BUDGET

FINE LIQUORS - TAKE OUT SERVICE

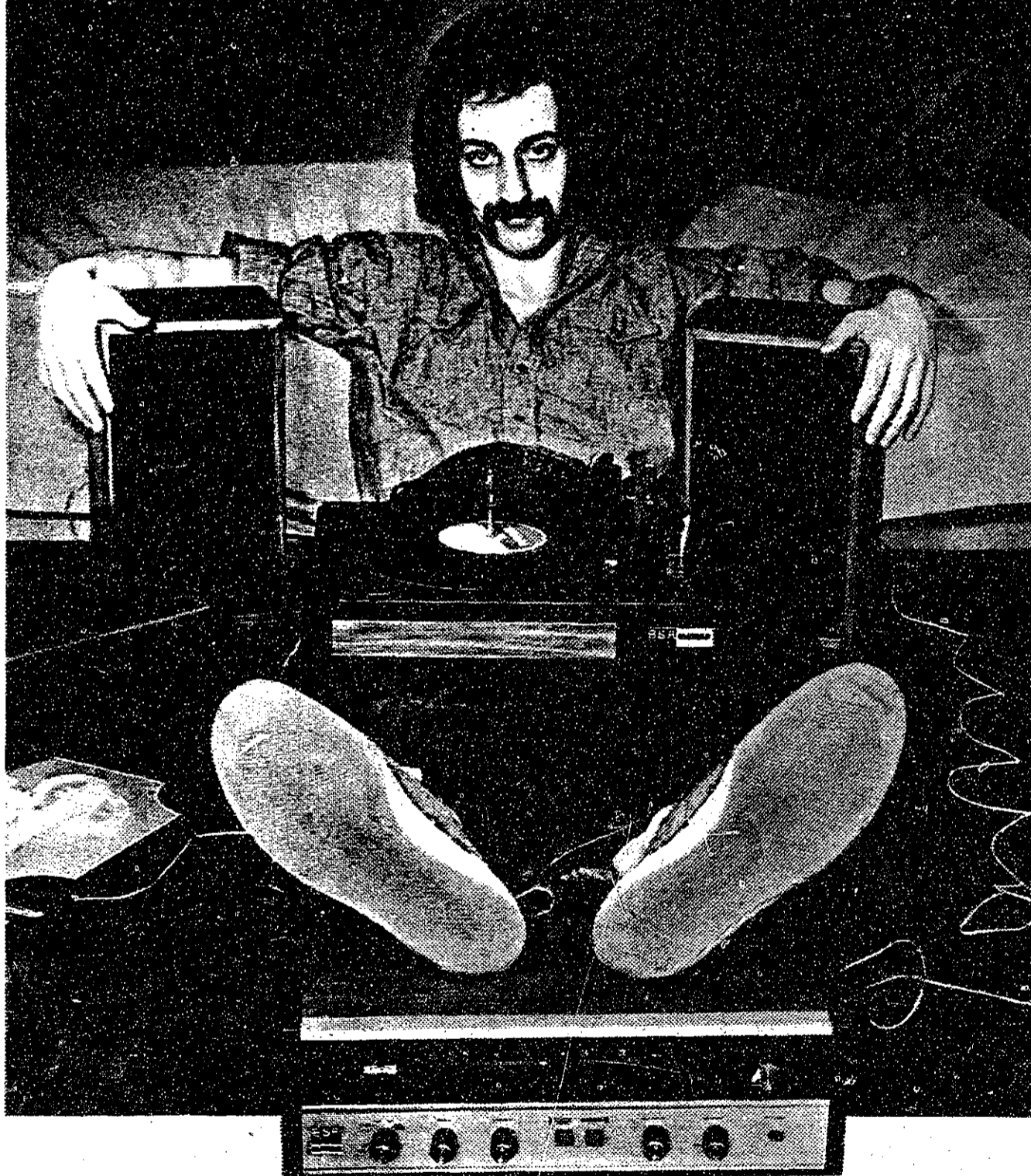
COMFORTABLY AIR CONDITIONED

"Serving MIT students and personnel for 38 years."

JUST OFF CENTRAL SQUARE

799 Main Street Cambridge 864-6680

## Another satisfied customer.



By the time Phil gets through paying for tuition, books and an outrageous rent, he doesn't have a whole lot left for a stereo.

BSR McDonald makes the RTS-40A for people like Phil. It's a complete AM/FM/MPX Phono component stereo system. The receiver delivers an honest 50 watts and boasts excellent

sensitivity and separation specs. The turntable is our best-seller, and comes complete with a matched base, tinted dust cover, and Shure magnetic cartridge. The speakers are true two-way sealed acoustic suspension, with amazing bass response.

We invite you to see the RTS-40A at your nearest BSR McDonald dealer.

If you think it sounds good on paper, wait'll you hear it.

In our unashamed attempt to get you to think kindly of us, we offer a full color 22"x29" poster of this boy-girl photograph with the quote from Shakespeare about BSR McDonald—for only \$1.00 postpaid. It makes a lovely gift.

BSR (USA) LTD.  
ROUTE 303, BLAUVELT, N.Y. 10913

Send \_\_\_\_\_ full color posters.  
I enclose \$ \_\_\_\_\_  
(cost \$1.00 each postpaid)

Check here if you want our free catalog of turntables and stereo systems.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_ Zip \_\_\_\_\_



of NET property; therefore, persons apprehended in such acts open themselves to legal prosecution on the part of NET.

NET has repaired damaged coin telephones at its own expense, which costs approximately \$50 per unit. However, if these acts of vandalism continue, MIT will be charged for the repair costs incurred; and, the coin telephones involved may be removed by NET.

Coin telephone service is a much needed and used service of many dormitory residents. Therefore, the potential loss of this service due to the irresponsibility of a few persons is of concern to this office. Would you please make this situation known in your respective dormitories and take whatever corrective action is necessary to ensure that these acts of vandalism stop.

M. Berlan

During the summer, a foreman and one repairman were assigned to MIT to make certain, according to Joe Vittoria, Coin Phone Communications Representative for MIT, that "Our equipment was 100% in operating condition." This two-man group worked over the summer, and a little during early fall to get MIT's coin-phone plant into order. It was, apparently, the group erroneously reported as a "three-man flying repair squad" by another paper on campus.

The full-time squad is gone, but pay phones are still checked more often here at MIT than they are in other "high-traffic" phone locations. MIT is not alone among universities with phone problems; BU, Northeastern, Harvard, and Tufts are also trouble spots. But MIT is the worst.

It was an ominous omen last

force only in Baker House. Phones were drilled, holes were filled, tones were trilled, and NET&T was bilked. They balked. In November, they gave up.

Dear Mort,

This is to confirm our recent conversation concerning the removal of public telephone service on the second through the sixth floors of the Baker House, 362 Memorial Drive, Cambridge.

We regret removing this service because of vandalism and fraudulent use, but our records indicate that this has been a habitual problem and every attempt to correct these troubles has failed.

However, the two public telephones located in the lobby will remain for the convenience of the students who may have need of coin telephone service.

Joe Vittoria

When inquiries were addressed to him about the number of pay phones MIT will have over the next five years, Vittoria felt he had to report that the numbers will probably decrease. "My job is to find new, useful pay phone locations. But we can't afford to be kicked around like this."

There are no current plans for removal of phones from any other MIT dorms. However, there are extremely disturbing portents from Burton House. According to Vittoria, in line with the modernization of the decor, the company has installed two "panel type" phones, which look ultra-modern and cost \$300 apiece. The third was stolen before it could be installed, and one of the two which were put in was stolen about ten days ago. "We will probably replace these two phones. This time. Probably."

If the phone hackers keep it up, NET&T will not hesitate to pull every pay phone in every residence. They mean business.

### NASSAU FROM \$149

XMAS/Spring Vac. packages-deluxe beach-front hotels.

OPEN ONLY TO MIT-WELLESLEY

### SKI THE ALPS - 15 DAYS \$325

All-inclusive tour-Kitzbuhel, Innsbruck St. Anton. DEC. thru MARCH

Very limited space on all prime dates for both tours. You must apply immediately!

UNI-TRAVEL CORP., BOSTON

262-2818

360 Commonwealth Ave. (at Mass av.)

The Lavender Hill Mob  
The Ladykillers  
2 Alec Guinness films

SHOWS AT 2:00 5:00 8:00  
EXETER 6706

MIT CHORAL SOCIETY

## PURCELL

Dido and Aeneas  
Cecilia Ode—1692

Klaus Liepmann, Director  
Cambridge Festival Orchestra

Tickets at Kresge Auditorium  
Building 10 Lobby  
Harvard Coop

Reserved \$3.00  
Unreserved \$2.00  
Student with ID \$1.00

THIS SUNDAY

# Wilson defends Labour's Market stance

By Peter Peckarsky


The British House of Commons is the world's premier school for hecklers; Monday night, former British Prime Minister Harold Wilson, a magna cum laude graduate of the anti-heckling option, gave a virtuoso performance during the second of the 1971 William L. Clayton Memorial Lectures. The hecklers were protesting, among other things, racial discrimination and economic exploitation in New Zealand and Britain's

policy toward Northern Ireland. Wilson uniformly put the provocateurs in their place with rejoinders which set the audience off on wild gales of laughter or thunderous applause. His best put-down came in response to a complaint voiced in a heavy Irish brogue by an elderly flag-waving gentleman. The MP's response: "First of all my good man, you're waving the wrong flag, that's the flag of the Republic of Ireland, not the IRA. Furthermore, the event to

which you refer occurred in 1925." That particular quarter was not heard from for the remainder of the evening. In a more serious vein, the MP commented on the current brouhaha over British entry into the Common Market. The Wilson government's application for admission was vetoed in 1967. Prior to the veto, the Foreign Secretary had voiced concern over arranging for continued access by the Commonwealth countries to British markets

after British entry into the EEC. A main component of the problem was the low price of New Zealand's agricultural goods as compared to French farm produce. Wilson noted that the then Foreign Secretary said in early 1967: "All members of the community would need to face the fact... that a permanent and continuing arrangement might be necessary in order to assure New Zealand of continued outlets for her agricultural produce."


The former PM went on to complain that: "Neither *The London Times* nor *The New York Times* which have expended a considerable amount of space explaining the Labour Party's change in Common Market policy have printed quotations (such as the one above by the Foreign Secretary) explaining our pre-conditions made before entering into negotiations." Wilson offered the following rationale for the switch, by the Labour Party, which he leads, from favoring EEC entry  
(Please turn to page 7)




**the  
Coop**  
HARVARD SQUARE  
M.I.T. STUDENT CENTER  
CHILDREN'S HOSPITAL MEDICAL CENTER

## BERNSTEIN'S "MASS": THE MOST IMPORTANT MUSICAL EVENT OF 1971.

LEONARD BERNSTEIN'S



**MASS**  
Conducted by the Composer



**7.14**

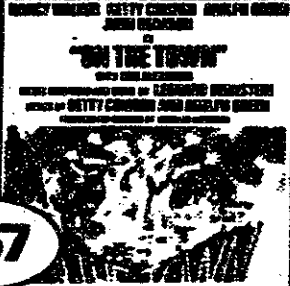
Along with a boys' choir, a church choir, organs and an orchestra, Leonard Bernstein wrote into "Mass" a rock band, a blues band and a street band. He has combined the most beautiful sacred music with contemporary ballads and poignant lyrics. "Mass" was commissioned for the opening of the John F. Kennedy Center for the Performing Arts. Newsweek said, "The solemn work is electrified by a musical inventiveness that never flags." And *The Washington Post* said, "It is the greatest music Bernstein has ever composed." By reaching his own humanity, Leonard Bernstein has reached everyone else's. And he has created a truly rare and joyous experience. A 2-record set with deluxe 32-page, full-color illustrated booklet-libretto.

on Columbia Records and Tapes

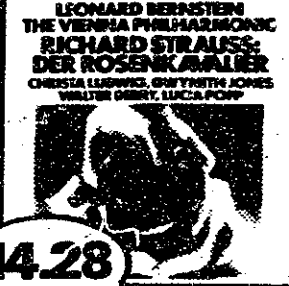
### OTHER GREAT BERNSTEIN ALBUMS:



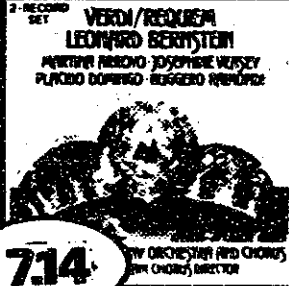
3.57



14.28



7.14



4.17



4.17

## Peace coalition sends member to conference

(Continued from page 1)

Prof. Eugene Bell, spokesman for the MIT Peace Coalition and also of the Biology Department, notes that the conference sessions will be held in the Senate Chamber of the Luxembourg Palace and will address four topics: Medical ethics and the Indochina War; War technology and its immediate and future consequences for the peoples of Indochina; Health services to the Indochinese countries; and support for the health services of the Indochinese peoples under present conditions and during the period of reconstruction.

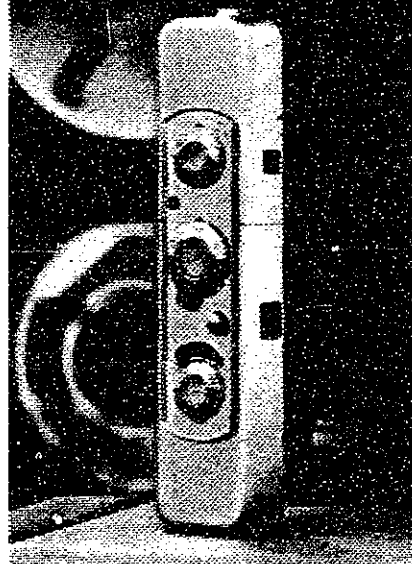
Bell also pointed out that the Coalition felt it necessary that a representative be sent to the Conference. Signer was chosen because of the trip he made last spring to China and Hanoi. On that scientific visit he was able to make many medical contacts and actually see conditions as they really were.



### EXPERIENCE

the  
**ALPHA/THETA CYBORG**  
Bio-Feedback of Cambridge  
354-0851

### 4 oz. COMPUTER?



**THE NEW  
MINOX C  
CAMERA**  
with computerized  
exposure automation

**IS HERE!**  
Come see it—it's incredible!  
Our low price **175.85**



**THE TECH**  
Vol. XXI, No. 52 December 3, 1971

**Bruce Weinberg, Chairman**  
**Robert Fourer, Editor-in-Chief**  
**Bob Elkin, Business Manager**  
**Tim Kiorpes, Bill Roberts, Managing Editors**  
**Lee Giguere, Walter Middlebrook, Paul Schindler, News Editors**  
**Michael Feirtag, Joe Kashi, Alex Makowski, Bruce Schwartz, Contributing Editors**  
**David Searls, Arts Editor**  
**Brad Billedeaux, Randy Young, Sports Editors**  
**Sheldon Lowenthal, Dave Vogel, Photography Editors**  
**Leonard Tower, Advertising Manager**  
**John Kavazanjian, Editorial Consultant**

Second-class postage paid at Boston, Massachusetts. The Tech is published twice a week during the college year, except during college vacations, and once during the first week in August, by The Tech, Room W20-483, MIT Student Center, 84 Massachusetts Avenue, Cambridge, Massachusetts 02139. Telephone: (617) 264-6900 ext. 2731 or 1541.

**NOTES**

- \* Today is the deadline for submitting scenarios for TECH SHOW '72. They should be submitted to Jeffrey Meldman, Box 228, 3 Ames St. (East Campus), Cambridge 02139 or to Prof. A.R. Gurney, Jr., Room 14N-330.
- \* Second term registration materials for all regular students is available today in the Building 10 lobby.
- \* There will be a meeting of SCEP (Student Committee on Educational Policy) Tues., Dec. 7 at 7:30 in Room 1-134. The proposals of the (Rogers) Task Force on Education will be discussed. The meeting will also consider appropriate responses to the report. All students are invited to attend.
- \* "Life and Study Opportunities Abroad," a meeting sponsored by the Foreign Study Office, will be held Tues., Dec. 7 at 3:30 in Student Center Room 473. Informal discussion, talks, slides, and refreshments. All welcome!
- \* Monthly meeting and parents' forum sponsored by the MIT family day care program, this Sun., Dec. 5 at 5 pm in the Westgate Function Room. Helen Scanwell, MIT Pediatrics nurse, will speak on safety, health precautions and MIT medical services. All parents are encouraged to attend, particularly those interested in the family day care program. Child care and refreshments provided. For more information, call Kathi Mahoney, X4973.
- \* Dance Experiment '71: presented by the MIT Dance Workshop. Tonight and tomorrow (Fri., Sat.), 8:30 pm, Kresge Little Theatre.
- \* Candy Cane Day - Building 10 lobby. Mon., Dec. 13. Candy canes 15 cents each. Sponsored by Class of '74.
- \* The Freshman Advisory Council is looking for undergraduates interested in becoming Residence/Orientation Week Coordinator. The Coordinator is in charge of all phases of R/O including spring planning, summer development, and September execution. The Coordinator is expected to spend the summer in the Cambridge area. The job is approximately full-time for August 23 to September 11. Salary is commensurate with the six to eight week full-time equivalent commitment. For more details see Peter Buttner or Joe LaBrecche before Dec. 17, at the FAC, Room 7-103.
- \* Free draft counseling for all is available through MIT Hillel, 312 Memorial Dr., x2982. Call 10 am to 5 pm and come in.

**IAP**

For those interested in "Analog Methods for Analysis of Dynamical Systems and Control," an activity given during IAP by Professor Newton in Electrical Engineering, there will be an organizational meeting Thurs., Dec. 9 at 3 pm in Room 35-422. Requirements for credit for this activity (up to six units) will be discussed at this meeting.

During IAP Professor Y.T. Li will be happy to give advice and counseling to any student with inventive ideas who doesn't know what procedures to take. I know something about patent collecting (some 60 U.S. and foreign patents) and have some idea about the batting average of the game from ideas generating to patent application to product marketing and to the loss of your shirt. Counseling will be arranged by appointment, and if there are a few enthusiasts, we may arrange some group discussion, and close up with a party. Contact Professor Y.T. Li in Rm. 33-111, ext. 3753.

GERMAN HOUSE DURING IAP. There will be an organizational meeting for all those interested in participating in the German House on Wednesday, December 8 in Rm. 14N-225 from 4-5. For further details contact Professor Gordon Nelson, Rm. 14N-213, ext. 4777.

**A Council for 'what isn't science'?**

By David Searls

One month ago, at a meeting of the New York Alumni Club in the Metropolitan Museum of Art, Jerry Wiesner first made known the establishment of a Council for the Arts at MIT. He called it "sort of an announcement within the family;" it is still not officially public. The organization of the Council, he said, was only in the planning stages, and he went on to promise a public announcement in the near future.

Roy Lamson had been appointed Special Assistant to the President for Arts, the executive position on the Council. The preliminary planning, Prof. Lamson told *The Tech*, went on throughout the summer. The idea was made known at the first faculty meeting of the year, at the end of August, and further solidification of plans culminated in President Wiesner's address to over 900 alumni in New York on November 4. As it stands now, the Council, which includes such notable alumni as Paul Tishman, Ida Rubin, Angus MacDonald, and Mrs. Julius Stratton, is still in an inchoate stage but, according to Prof. Lamson, pushing ahead.

**What the Council is . . . and isn't**

"We sensed a new climate for the arts," says Prof. Lamson, "a ground swell for a new consciousness in that direction. We use the word arts in the largest sense - all those things that aren't science would perhaps be a good definition."

The Council will be financed primarily by alumni, and for that reason it will consist principally of alumni members, though others, including students, will gradually be added. Prof. Lamson points out that "the main thing is to see that alumni are engaged . . . we want the Council to have both internal use and alumni use. Of course, this doesn't preclude departments giving money, but the point is to give a large body of alumni the chance to support it if they wish."

The first working paper of the Council, issued by Prof. Lamson on October 20, reemphasizes the involvement of alumni and perhaps best expresses the motivation for establishing the Council:

"Over many years, and particularly in the last decade, the alumni of MIT have given works of art to the Institute and warm support to its programs. And with a strong awareness of the responsibility of MIT to offer as complete an education as possible in an institution based in science and technology, alumni have organized such groups as the MIT Committee for the Arts. Their interest and contributions have enriched the Institute immeasurably.

"Many alumni have seen the opportunity for even greater engagement with the Institute (last spring over a hundred visited the Institute to explore its offerings in the arts, its need for research, and its vast potential in the arts both for faculty and students, and, indeed, for the community and the nation). Consequently, many have asked, 'What can we do for MIT to develop all the arts - the visual arts, film, music, literature, drama?' As a result, a group of alumni have organized a Council for the Arts at MIT . . ."

**"Not from poverty, but strength . . ."**

"It should be emphasized," says Prof. Lamson, "that when we speak of arts at MIT, we are speaking from strength, and not from any poverty. The Council's activities will, at least at first, probably follow along much the same lines as present programs."

(Those programs, as outlined in the booklet which accompanied the alumni "Visit to the Arts at MIT" mentioned in the working paper, would be: drama, including Prof. Everingham's Dramashop; photography, encompassing Minor White's Creative Photography Facility; art, in the form of both Gyorgy Kepes' Center for Advanced Visual Studies and the Architecture Department's programs in Visual Design; the less well-known Laboratory for Research on Archaeological Materials; the active Music Department at MIT; and the facilities for cinema, set up by Ricky Leacock and Ed Pincus.)

"The Council ought to be an opportunity for both new and continued activities in the arts," adds Prof. Lamson. "We hope that all kinds of creativity will be involved; the priorities depend on the President."

**What the Council will do for students**

Prof. Lamson does not see the Council as a form of patronage to the arts - while most of the work will be along the lines of sponsorship, he foresees all of its effects as being educational. Nevertheless, there are presently no plans for directly involving the standard curricula in the program.

"I don't see this kind of body as having any intrusion into curricula, but its purpose will be to find things to advance the curricula - not in terms of actual subject matter but in its directions and depth."

Prof. Lamson reiterated a statement made in the working paper:

"The basic contribution of the Council and alumni would be in personal interest and vigorous engagement, in ideas and in gifts. The ideas for the development could come collectively from the Institute, its faculty, its students, and alumni, and from other sources selected by them . . . In any program supporting the arts, the Council relies on alumni who see art in its largest sense, as an important effort not only for MIT education but also as a valuable element in MIT's contribution to our society."

Thus, the significance of the Council to education in its most literal sense (outside of fields like music and art) would be indirect at best, with several exceptions: for instance, facilities developed by the Council would of course be open to students, and programs for visiting professorships would benefit students in the short run.

**What the Council will do for the Institute**

The actual plans of the Council, both long and short range, will be determined in part by various requests, plans, and studies solicited by President Wiesner from concerned groups and departments. According to Prof. Lamson, these proposals "range from such large projects as a center for the performing arts to the establishment of an equipment bank for the theatre. Along with the need for physical space are requests to support expansion of the teaching base in visual arts and in music . . . The plans foresee a wide range of creative, research, and educational activity, so that MIT students, teachers, and professional participants at all academic levels may have opportunities for training and experience in the arts. Hence, there are immediate and long-range needs in facilities, equipment, and in professional practitioners of the arts."

**MIT a museum?**  
It is clear that the driving force behind the Council for the Arts is Jerry Wiesner. Although his position on education in the humanities is at times unclear, he has been known as a friend of the arts from cultural viewpoint. At times he seems bit overzealous in his vision, as when he speaks of transforming MIT "into a large multi-purpose art center." But he is quite concrete when he says that "there are many ways to view our devotion and commitment to the arts - as individual as an academic institution, and as society, even as a museum . . ."

Hopefully, the "museum" aspect of the Council for the Arts will be played down. While it is quite possible, as Dr. Wiesner maintains, to regard a museum as an academic institution, it is all too easy to see it as anything from an archives to Sunday afternoon diversion - its function is in the eye of the beholder. All the indications (at least those in writing) are that the Council is steering clear of these paths; nevertheless, the very structure of the organization reveals the possibility of what would be, from the student's point of view, an unfortunate contingency. The Council is of and by the alumni; that should be for the alumni as well as only natural, and it can be assumed that they have MIT's best interest in mind. But the temptation must surely be there to emphasize the tangibles - concerts and exhibitions, for example - so that the benefits would be evident on even short visits to the campus. It is to be hoped that the intangibles will not be neglected; that programs and people will be brought on campus that will have long-range benefits for the community, in both its narrowest and broadest senses.

Jerry Wiesner's vision of the arts at MIT is exciting - reminding, in fact, of the early sixties when he advised Kennedy on science and Pablo Casals performed in the White House; perhaps this is the atmosphere he wishes to capture with the Council. But what must be kept in mind is that MIT is quite a different kind of institution. Here, art must be more than a diversion - what happens between the concerts, in terms of education, is just as important. In short, what belongs at MIT is more than just the *aura* of culture.

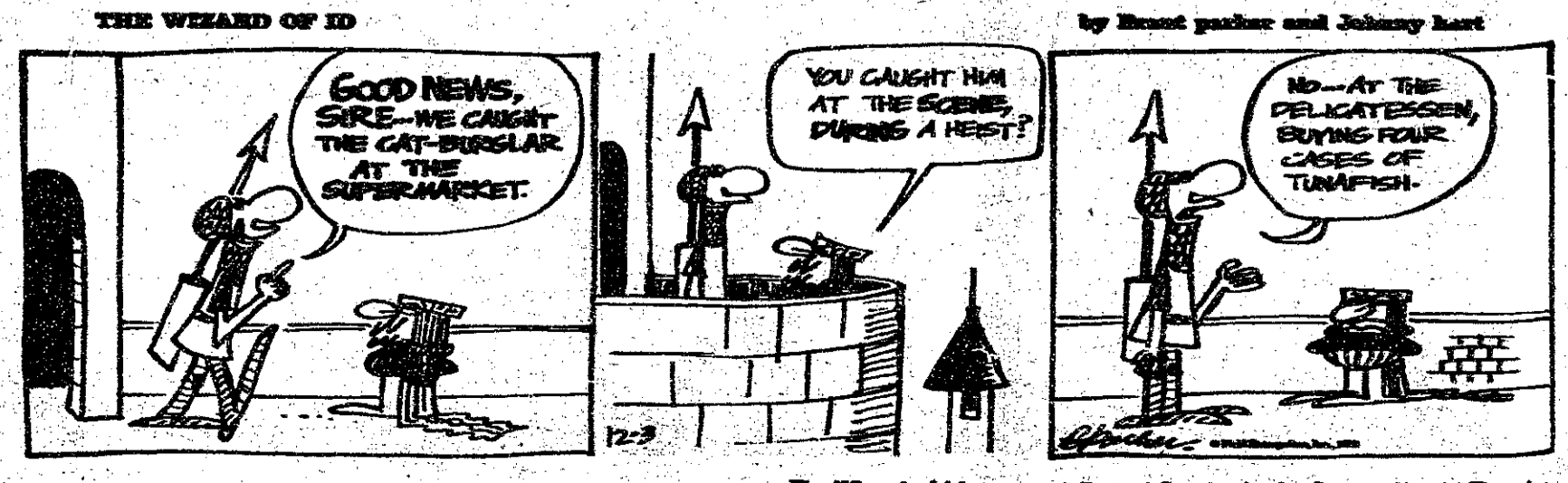
**DIRECTOR FOR SPECTACULAR**

**Cast of Thousands!**  
**Months in the Making!**  
**Tea Day Cambridge Engagement!**

The Freshman Advisory Council is looking for undergraduates interested in becoming Residence/Orientation Week Coordinator. The Coordinator is in charge of all phases of R/O including spring planning, summer development, and September execution. The Coordinator is expected to spend the summer in the Cambridge area. The job is approximately full time for August 23 to September 11. Salary is commensurate with the six to eight week full-time equivalent commitment.

For more details see Peter Buttner or Joe LaBrecche before December 17, at the F.A.C., Room 7-103.

**An Equal Opportunity Employer**  
**High School Degree Preferred**



The Wizard of Id appears daily and Sunday in the Boston Herald Traveler.

# Traffic and Moondog

**Traffic** *The Low Spark of High-Heeled Boys* (Island)

This album may seem to follow awfully close on Traffic's last album, *Welcome To The Canteen*, but in fact, it is the first new album by the now six-man group since *John Barleycorn Must Die* was released in mid-1970. *Welcome* was simply a collection of live tapes (more an effort by the record company than by Traffic) released to consummate the group's ties with United Artists. *The Low Spark of High-Heeled Boys* is all new, on the English label, Island, and will be distributed by Capitol.

While *Welcome To The Canteen* was somewhat badly recorded, and altogether not terribly impressive, the new album returns to the excellence and technical perfection of *John Barleycorn*. Yet the ranks of the group have swollen from three on the latter record (Steve Winwood, Jim Capaldi, and Chris Wood) to seven on *Welcome* (adding Rick Grech on bass, "Reebop" Kwaku Baah on various percussion, Jim Gordon on drums, and returning Traffic original guitarist, Dave Mason). Mason has since departed once

more, leaving the group at six.

The album cover is intriguing, a kind of surrealistic opening into space, and an unusual shape, with two opposite corners of the normal square jacket lopped off. The music proves to be no less interesting. As was the case with *John Barleycorn*, there are but six songs. "Hidden Treasure" leads off the record with a typical Traffic flavor; Cris Wood's flute adds a mystical medieval touch. They then launch into the twelve-minute jazzy title tune, well-balanced, without lapsing into the boredom that's inflicted a few of the group's earlier efforts. "Light Up Or Leave Me Alone" is Jim Capaldi's first, solo effort since he turned the drumming over to Jim Gordon in order to concentrate on singing. It's not bad, but in comparison to the rest of the album, it comes off as the throwaway of the record.

"Rock & Roll Stew", written by Grech and Gordon, is the single release, and is excellent. Everyone chips in on this one, and the result is a typically catchy little bit of Traffic rock 'n roll. Following are two seven and a half minute works, "Many

a Mile to Freedom" and "Rainmaker". "Many a Mile", sung by Winwood, brings back memories of the three or four man Traffic. In closing with "Rainmaker", the record returns to the haunting exotic tinge of the first cut, featuring very Indian sounding harmonies in the chorus.

*The Low Spark Of High-Heeled Boys* is notable in that with a larger group, Steve Winwood no longer gives the impression of doing it all himself; he

**The MIT Dance Workshop will present Dance Experiments '71 this Thursday, Friday, and Saturday nights, December 2, 3, and 4, at 8:30 pm in Kresge Little Theatre. Admission is free.**

has many very competent musicians to help him out, and he uses them well. Yet it is still clear that it is Winwood who leads the band, who pushed the reduced group to the excellence of *John Barleycorn* and who now, with more musicians, has maintained that level.

**Moondog 2 Moondog** (Columbia)

Moondog is an old blind man who wanders around Manhattan writing songs. He already put out an album which was forgotten. His second album consists of 25 rounds. That's right, rounds. Most rounds are thought of as children's songs like, "Three Blind Mice" or "Row, Row, Row Your Boat", but (Please turn to page 6)

# ARTS

## BRIDGE

By Daniel Reinharth

A good bridge player is always on the alert for any information, but never more so than when he is declarer in a precarious contract. In today's hand, when dummy is laid out after the opening lead of the five of hearts, declarer should think of two things: (a) there is a danger of losing a trick in each suit, (b) the two bits of helpful information are the opening lead and West's bid of one spade.

The plan which first comes to mind is simply that of ruffing the diamonds in the dummy. This attempt will fail if the trumps split badly and the defenders keep leading it, but it's worth a try.

After winning the first trick with the ace of hearts East leads back another heart, upon which West shows out. Declarer then leads the four of clubs from dummy, hoping to let West win since he cannot lead back a heart. East, however, steps up with the ten of clubs, which is permitted to win. When East leads back his third heart we can cross off plan number one.

Declarer does not give up, however. West's bidding and playing have marked his probable distribution, and this information can be used to make the contract. If West has five spades to the king and at least four diamonds, he can be thrown in profitably on the eleventh trick.

South therefore leads a club to his ace, cashes the king and

NORTH			
♦	Q 9 6 3	♠	8 5
♥	K 10 7 4	♣	A J 6
♣	7 4	♦	10 8
♠	8 6 4	♥	Q J 10 7 3 2
WEST			
♦	K J 10 4 2	♠	pass
♥	5	♣	pass
♣	Q J 9 3 2	♦	pass
♠	K 5	♥	pass
SOUTH			
♦	A 7	♠	2 hearts
♥	Q 9 8 3 2	♣	pass
♣	A K 6 5	♦	pass
♠	A 9	♥	pass

ace of diamonds, and ruffs a diamond with dummy's last heart. He returns to the closed hand by ruffing a club, and then plays the queen of hearts.

Declarer has now completed the process of "stripping" West's hand. He has removed all of West's safe exit cards, and has also created a forced entry into West's hand.

West is now reduced to the queen of diamonds and the king and jack of spades, South holds Ace of spades and a low diamond, and North has three spades to the queen. By leading his low diamond South forces West to win, and then to lead away from his king of spades at the twelfth trick.

A letter to Mr. Reinharth appears on page 6.

**LOEWS ABBEY I** cinema  
ONE BLOCK WEST OF MEMORIAL SQUARE AT N. U. - 262-1303

**THE LAST PICTURE SHOW**

"ONE OF THE FINEST FILMS OF THE YEAR!"  
— Kevin Kelly, Boston Globe

COLUMBIA PICTURES PRESENTS  
A BBS PRODUCTION

SHOWN AT: 1:30, 3:30, 5:30, 7:45, 10:00

**HUMBLE PIE PERFORMANCE ROCKIN' THE FILLMORE**

A&M Records and Tapes  
SPECIAL PRICED TWO-RECORD SET

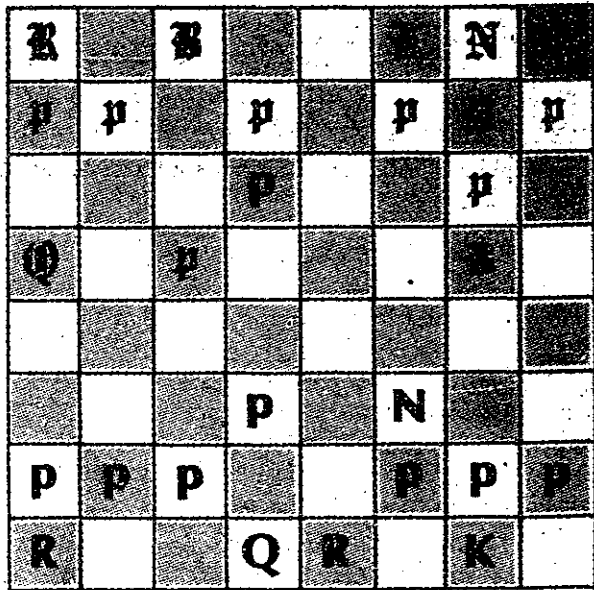
**WAWHAM**

# CHESS

Bad Gastien 1948  
Sicilian Defense

Rossolimo Romanenko

- 1. P-K4 P-QB4
- 2. N-KB3 N-QB3
- 3. B-N5 P-KN3
- 4. O-O B-N2
- 5. R-K1 N-B3
- 6. N-B3 N-Q5
- 7. P-K5 N-N1
- 8. P-Q3 NxB
- 9. NxN P-QR3
- 10. N-Q6ch PxN
- 11. B-N5! Q-R4
- 12. PxPch K-B1
- 13. R-K8ch! KxR
- 14. Q-K2ch K-B1
- 15. B-K7ch K-K1
- 16. B-Q8ch KxB
- 17. N-N5 resigns



Position after 12... K-B1

9... P-K3 keeps Black out of sudden death even though it allows White a good check. After White controls the King file, simple brute force will even do the trick. 13. Q-K2, N-B3. 14. Q-K7ch, K-N1; 15. Q-K8ch!, NxQ; 16. RxNch, B-B1; 17. B-R6, and the queen sacrifice works as mate follows soon.

Walter Hill



MIT's electronic music triumvirate is pictured and Paul Earls. They're shown here in Kresge above; from the left: Lyle Davidson, Barry Bercoe Wednesday afternoon. Photo by P.E. Schindler, Jr.

# BRIDGE

Dear Mr. Reinharth,  
I enjoyed reading your bridge column of Friday, November 19.

It is enjoyable to read about psychology at the bridge table, especially at the level of James Bond. You spoke of Blofield's two fatal mistakes which led to his downfall. But there was a third mistake that he made which was not mentioned. His double of 5H was a poor one because he had at most 2 tricks. One of these, the ace of spades, would very likely disappear because of his partner's jump to 4S: one of the N-S hands would probably be void in spades. Furthermore, his partner has shown

doubling, however, Blofield had a chance to recover against Bond's foolish redouble. 5S played by West is cold. Because South can never get the lead, West will be able to establish the diamond suit to discard dummy's losing club.

As far as the play of the hand goes, there is a clue (not psychological!) as to how Bond should play the diamond suit. West is marked with 2 clubs and a singleton heart. Because of East's raise to 4S, it is likely that West has 5 spades. That leaves him

with 5-1-5-2 distribution. If his 5-card diamond suit was headed by an ace it would be far superior play for him to lead it, hoping to catch his partner with a singleton. Since Bond has nothing more to go on, this inference should be the deciding factor.

Laurence H. Schiller

Thank you for your kind words and instructive comments. Feedback such as your must surely help spread interest in bridge at MIT.

-D.R.

# Traffic and Moondog

(Continued from page 5)

these rounds are serious compositions. Moondog pays very strict attention to the rhythms and contrapuntal melodies to keep his rounds from sounding muddy or hard to understand.

But "serious compositions" can be fun to listen to. They are all very rhythmic and the texts have a wide range of moods and subjects. The instrumentation is pleasant and never too sparse or too cluttered and helps to emphasize the tone of a piece. Percussion is also used to great advantage. Moondog and his daughter sing all parts with soft, gentle voices.

A round is a tune which has a strict form and which must be able to harmonize with itself. Moondog has written dozens of them in all the different keys

(scores are enclosed) without too much repetition and the result is really rather charming. Listening to twenty-five in a row might be a little much (even though they rarely run above two minutes each) but it needn't be. The meters are varied (there are a lot of 5's and 7's) and the songs are all clear enough to keep your attention. So, while the form of the music is a very rigid limitation, it really doesn't bog down much.

This record is just a very different animal. These rounds are very carefully written and very brightly performed. The whole thing was produced by James William Guercio, who produces Chicago and others. It is a very pleasant experience and a nice change from just about any-

Jay Pollack

# classified advertising

**NORTH**  
♦ A Q 8 5 3  
♦ K J 7  
♦ K 9 5 3 2

**WEST**  
♦ A 9 8 5 3  
♦ K  
♦ Q 9 6 5 2  
♦ A 10

**EAST**  
♦ K Q J 10 7  
♦ 7 6 4  
♦ A 10 8  
♦ Q J

**SOUTH**  
♦ 6 4 2  
♦ J 10 9 2  
♦ 4 3  
♦ 8 7 6 4

South West North East  
1 heart 1 spade 3 hearts 4 spades  
5 hearts double pass pass  
redouble pass pass pass

a hand not well-suited to defense by his jump to 4S. Even after

Belmont: Winnbrook, 3 BR, 1 1/2 bath, extra bed, study under eaves, fireplace, living room, formal dining room, modern eat-in kitchen, TV room, basement playroom, large yard, garage. \$42,900. Call Owner: 489-1172.

Must sacrifice large estate lot of photo equipment in fine condition at give away prices or best offer. Nikon "F", new with F1.4 lens \$145. Latest Pentax with lens \$85. Bronica camera & backs from \$65. Rollei 16-S, Minnox, Tessina "L" only \$85. each. Good Enlarger, has everything \$38. Nikon 8X, B.&H. Audio., Bolex 160, Canon 518 Super Zoom movie cameras from \$48. Genuine Nikon, Pentax, Leica, Minolta, etc. lenses real cheap; more! FREE goodies - film filters, cases, etc. just for the asking! Private home. 527-0311.

AUSTRALIA NEEDS TEACHERS NOW! Sick of hassling smog, unemployment? Growing needs, all subject areas. For full info: Send \$1 to: Intl. Teachers Placement Bureau, PO Box 19007, Sacramento, CA. 95819.

PART TIME TYPISTS WANTED. Evenings and weekends. Call Robert

Young x1541.

OVERSEAS JOBS FOR STUDENTS: Australia, Europe, S.America, Africa, etc. All professions and occupations. \$700 to \$3000 monthly. Expenses paid, overtime, sight-seeing. Free info: Write, Jobs Overseas, Dept. F6, Box 15071, San Diego, CA. 92115.

WANTED: old radios, crystal sets, wireless equipment, radio catalogues & magazines, pre-1923. West Roxbury, 325-6655.

20%-50% OFF ON ALL STEREO EQUIPMENT, stereo components, compacts, and TV's. All new factory sealed cartons, 100% guaranteed. All major brands available. Call Mike anytime, 491-7793.

'66 VW BUS FOR SALE. Good condition, radio, heater, \$800 or best offer. Call Jerry P., x3788 or 261-1759.

Managing Editor has received no mail from DC recently. WRAIN Box 3 and Box 82 could alleviate his pain and suffering and keep him from pining away.

Concert Harpsichordist educated in Germany (Grosser Generalstab) available for private lessons. Call 492-2748 after 7 pm.

FOR SALE: Money-grubbing News Editor, to highest bidder. Contact Sherry, c/o Box A-105.

EARN WHILE IN SCHOOL \$300-\$500 per month  
Campus representative for resume forwarding service. Flexible hours. For full information write National Resume Services, PO Box 1445, Peoria, Ill. 61601.

# CHINA CINEMA

Featuring Chinese Films (With English Subtitles)

Mon - Fri

2:30, 4:30, 6:30, 8:30, 10:30

Sat.

12:30, 2:30, 4:30, 6:30, 8:30, 10:30

Sun.

1:00, 2:45, 4:30, 6:30, 8:30, 10:30

EXCLUSIVE SHAW BROTHERS PRODUCTION

STARTING A LONG ROAD

NEW PICTURE

TODAY: TO FREEDOM

EVERY FRIDAY!!

Telephone: 423-7415 84 Beach Street CHINATOWN



# IAN and SYLVIA

"Popular folk artists"  
Sunday, December 5th, 8:00 PM  
Burden Hall

NON-STUDENTS - \$5.50  
STUDENTS - \$4.00

Also coming in this series: Michael Lorimer on January 23, Misha Dichter on March 5th, and the Boston Symphony Chamber Players on April 23

TICKETS ARE AVAILABLE AT THE COOP.

STUDENT DISCOUNT TICKETS AVAILABLE AT TCA

(Indicate number of tickets desired)

FREE PARKING AVAILABLE

Clip and mail (together with a check payable to AAR and a stamped self addressed envelope) to "Arts Across the River", c/o Harvard Business School, Soldiers Field Road, Boston, Mass. 02163

NAME ADDRESS ZIP CODE



Send information about membership in AAR.

For further information, call 495-6200 or write AAR. Members can obtain discount tickets by contacting AAR.

Ian and Sylvia at \$5.50 ea

Lorimer at \$5.00 ea

Dichter at \$5.50 ea

BSO Chamber Players at \$5.00 ea

TEL. NO. TOTAL AMOUNT ENCLOSED

Relax and Divert

# CAMPUS CUE

590 Commonwealth Ave.  
(Opposite B. U. Towers)

# Pocket Billiards

"Great for a Date"

are you prepared for



112 BRIGHTON AVE.  
BOSTON / 787-1233

274 BROADWAY  
CAMBRIDGE / 868-0160

AAMCO FLOOR MATS  
CARELLO DRIVING LIGHTS  
STEERING WHEEL COVERS  
ABARTH EXHAUST SYSTEMS  
FREE CAN OF CLASSIC CAR WAX WITH EACH \$10.00 PURCHASE

# M.I.T. Symphony Orchestra Concert

December 3, 1971 Friday evening at 8:30  
KRESGE AUDITORIUM

Work by BRAHMS, HINDEMITH, MESSIAEN, MOZART

Conductor: Robert Freeman  
Soloist: Gilbert Kalish (Piano)

FREE ADMISSION

Anybody can!  
explore  
study abroad  
foreign travel  
opportunities-

Tues. Dec 7  
3:30 W20-473

Command by the Federal Reserve Office

# Wilson defends Labour

(Continued from page 3)

in 1967 to opposing current moves in that direction by the Heath government:

"Fundamental to Britain's economic future — and this means fundamental to the interests of all who trade with us today, or seek to trade with us in the future — is the effect on our balance of payments of the rules and consequences of market entry.

"I have referred to the inter-reaction between economic growth and balance of payments limitations upon it. This was a matter we experienced the hard way as I have said. That record 800 million pounds (balance of) payments deficit my Government inherited from our predecessors provided almost a permanent inhibition on growth — or rather the costly and even harsh economic policies we had to follow to transform minus 800 million pounds into plus 600 million pounds, the largest-ever surplus in our history. That is why calculations of the damage to our balance of payments of anything from 500 million pounds to 700-800 million pounds a year by 1978 — and some have argued over 1,000 million pounds by the eighties — are so disturbing as they should be for our prospective European trading partners and all those with whom we trade today.



After his speech, former Prime Minister Harold Wilson is questioned by *The Tech* correspondent Peter Peckarsky.

"I am asked why do I object to these terms to application for entry. I applied for entry — if the terms were right. When you join a club you ask what the entry fee is, and the annual subscription. In my school days I sought to join an athletics club near my home, for access to the cinder-track. The annual subscription was about a dollar — in those days. I joined. But if they had said that as a condition of entry that I had to have my leg off, I would not have joined. It might have been said to inhibit

the fundamental athletic purpose of application, in that it involved severance of the means of locomotion. One argument — and it has validity — for joining the Common Market, on the right terms, is the prospects it holds out for economic expansion. But if growth is inhibited by amputation of the means of expansion the terms become significantly less attractive."

Photo by David Tennenbaum

## James F. Brine, Inc.

(Our only location) 29 Brattle Street  
Harvard Square — 876-4218  
SPORTS EQUIPMENT and APPAREL for the ENTIRE FAMILY  
HOCKEY — SKATES — CCM, BAUER  
STICKS — KOHO, HESPELER, TITAN, NORTHLAND  
VICTORIAVILLE, MONTREAL SURPRISE  
SKIING — HEAD, ROSSIGNOL, K2, TRAPPEUR, RAICHEL  
EXTREMELY REASONABLE PACKAGE DEALS INCLUDING  
FIBERGLASS SKIS, SAFETY BINDINGS, AND POLES  
SOCCER — BASKETBALL — FOOTBALL  
TROPHIES AND ENGRAVING  
WOMEN'S WEAR — WHITE STAG, DUOFOLD, BRITISH VOGUE, ASPEN  
"Better Buys at Brine's"

## BOSTON SANDWICH SHOPS, INC.

SERVING MIT FROM TWO LOCATIONS  
134 Mass Ave 868-6169  
143 Main St - Kendall Sq 868-6279

FEATURING OUR NEW MICRO-WAVE OVEN  
A FULL LINE OF SANDWICHES

INCLUDING: Continental Subs, the Bostonian

COMPLETE SANDWICH MEAL FOR UNDER \$1.50

## Kendall Drug

NEW, MODERN, PHARMACY  
Catering to your prescription needs  
FULL LINE OF GREETING CARDS, COSMETICS  
GIFTS AND SUNDRIES  
RIGHT IN THE HEART OF MIT, FOR YOUR CONVENIENCE  
at Kendall Square (By the Post Office)  
492-7790  
KENDALL DRUG CORPORATION 283 Main St Cambridge Mass

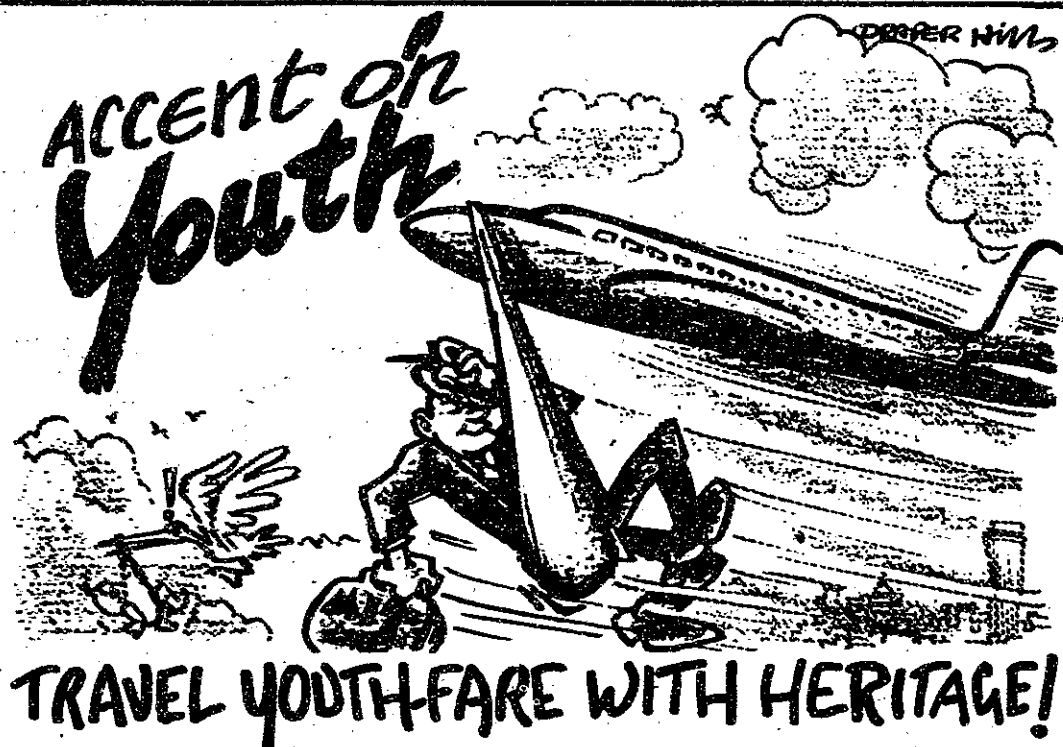
## Termpapers Unlimited

295 HUNTINGTON AVE.  
BOSTON, MASS. 02215  
(617) 267-3000  
WE GIVE RESULTS

## THE SEA GULL CHEKHOV

Dec 9-12 & 15-18, 8:30 PM  
MIT KRESGE LITTLE THEATRE  
ADMISSION: \$2.50  
SPECIAL MIT RATES IN BLDG. 10  
RESERVATIONS: 854-6900 x4720  
THE MIT COMMUNITY PLAYERS

SRI CHINMOY  
Great Indian Spiritual Master  
WILL SPEAK on  
THE UPANISHADS  
*Sacred Scriptures of India*  
AND WILL CONDUCT MEDITATION  
AT HARVARD UNIVERSITY  
LOWELL LECTURE HALL  
ALL ARE INVITED TO ATTEND  
FRI. DEC. 3, 8:00 P.M.



DON'T WAIT!  
Plan your holiday and vacation travel now, at Heritage's new travel office in Kendall Square.

We have the latest information on youth fares: Both Domestic and International.

Heritage's new office represents all airlines, and will suggest the flight best suited to your needs. You may purchase your youth fare tickets from us and save time at the airport.

Heritage is just one block from the Sloan campus, in Kendall Square. Call or visit our office; we're open from 8:30am until 5:30pm, Monday through Friday, and from 9:00am until 1:00pm on Saturday.  
SEE HERITAGE TRAVEL FOR ALL YOUR TRAVEL NEEDS.

## Heritage Travel, inc.

One Broadway, Cambridge, Mass. 02142

Tel. 868-2666

"A UNIQUE AND OFTEN STUNNING SPECTACLE! DEMONIC MASQUES AND BLASPHEMOUS ORGIES... AS A GLIMPSE OF HELL, IT IS SUPERBLY FRIGHTENINGLY EFFECTIVE."  
— TIME MAGAZINE

"GRISLY, GUTSY, MASTERPIECE! 'THE DEVILS' IS A MASTERPIECE AS CONSUMINGLY RICH AND AS ARROGANTLY ORIGINAL AS THE GREATEST WORKS OF ART."  
— L.A. FREE PRESS



## VANESSA REDGRAVE ~ OLIVER REED IN KEN RUSSELL'S FILM OF THE DEVILS

A Robert H. Soko-Ken Russell production. Screenplay by Ken Russell. Based on the play by John Whiting and "The Devils of Loudun" by Alphonse de La Haye. Directed by Ken Russell. Distributed by Warner Bros. A Kinney Leisure Service.  No one under 16 admitted.

STARTS WED. (Dec. 1) at these Selected Theatres:  
CAMBRIDGE ... Harvard Sq. BOSTON ... Symphony I

# SPORTS

## Trackmen lose to BC in season's first meet

By Mike Charette

The MIT track team had its indoor debut Wednesday night at Rockwell Cage, as it faced a traditionally strong Boston College team. The Huskies defeated the Techmen, 62-42, thus avenging their narrow loss last year, in which a late-ending football banquet deprived them of their best weightmen.

This year, the Tech thinclads were overwhelmed by BC in the running events, 43-16, as injuries and lack of overall depth took their toll. The loss of four members of last year's five-man sprint team through academic pressures had its greatest effect in this meet, especially since various runners had to be diverted from their specialties to fill in the gaps. The remaining sprinters, George Chiese '74 and freshmen Gary Wilkes and Paul Puffe, will have

to work extra hard throughout the season.

Junior Brian Moore, recovering from a car accident in which he injured his back, took first place in the shot put with a fling of 48' 4 3/4", in an excellent effort. Moore, MIT's premier weightman, also took second in the 35-lb. weight throw.

The versatile Al Lau '72 displayed the wide range of his abilities in taking seconds in the long jump (21-4) and high jump (5-10) and racing to a third place in the 45-yard high hurdles. Scott Peck '73 also illustrated all-around prowess in winning the long jump with a superb 22 foot effort and tying for third in the high jump. He was later recruited to run the 50-yard dash, but did not place.

Bob Tronnier '73 was clocked at a swift 6.0 seconds, and won the 45-yard high hurdles. Junior

Senior co-captain Al Lau stretches for maximum distance on the way to his second place in the long jump. Probably the team's most versatile performer, Lau can compete in every event except the

Dave Wilson won the pole vault at a height of 13-6, with Paul Winsberg taking third place. The consistently-winning Wilson has vaulted well over 14-6 in practice, and should be a real threat to take the New England championship if he is not bothered by the leg injuries which have plagued him in the past.

Sophomore Tom Hansen and Bill Leimkuhler '72 made a strong showing in the 600-yard run with times of 1:16.8 and 1:18.6 respectively. Bob Myers '72 ran a strong race in the mile but was edged out of third place by a tenth of a second.

In the meet's finale, MIT's relay team defeated BC by 3.6 seconds, with freshmen Wilkes and Puffe leading the way, and Hansen and Leimkuhler finishing the

weights and the pole vault. In addition to the long jump he took second in the high jump and third in the 45-yard high hurdles.

Photo by Sheldon Lowenthal



Holder of both the indoor and outdoor varsity records for the shot put, 215 lb. junior Brian Moore lets fly en route to winning the event in Wednesday's meet versus Boston College. Moore, top scorer for last spring's outdoor track squad, also placed second in the 35-lb. weight throw. He is recovering from a back injury, suffered in a recent car accident.

Photo by Sheldon Lowenthal

- The results were:
- 35-lb. weight: 1) McQuade (BC) 57-4 1/2; 2) Moore (MIT) 52-3/4; 3) Gilligan (BC) 50-2 3/4
  - Long Jump: Peck (MIT) 22-0; 2) Lau (MIT) 21-4; 3) Esposito (BC) 20-1 1/4
  - Shot Put: 1) Moore (MIT) 48-4 3/4; 2) Danker (BC) 46-5 3/4; 3) McQuade (BC) 44-3 3/4
  - High Jump: 1) McAloon (BC) 6-3; 2) Lau (MIT) 5-10; 3) tie - Peck (MIT), Miller (BC) 5-10
  - Pole Vault: 1) Wilson (MIT) 13-6; 2) Holmes (BC) 12-6; 3) Winsberg (MIT) 12-0
  - 50-yard Dash: 1) Schneider (BC) 5.8; 2) Gilligan (BC); 3) Esposito (BC)

- One Mile: 1) MacDonald (BC) 4:26.5; 2) McVaine (BC); 3) Lau (MIT)
- 45-yard High: Tronnier (MIT) 6.0; 2) McVaine (BC); 3) Lau (MIT)
- 600-yard Run: 1) O'Brien (BC) 1:16.6; 2) Hansen (MIT) 1:16.8; 3) Leimkuhler (MIT) 1:18.6
- 2-mile Run: 1) Mahoney (BC) 9:49.4; 2) Zabel (BC) 9:49.6; 3) Lewis (MIT) 9:57
- 1000-yard Run: 1) MacDonald (BC) 2:20.5; 2) Desmond (BC) 2:21.3; 3) Melly (BC) 2:21.4
- Mile Relay: 1) MIT (Wilkes, Puffe, Hansen, Leimkuhler) 3:42.1; 2) BC 3:45.7
- Track: MIT 16; BC 19
- Field: MIT 26; BC 19
- Final Score: MIT 42; BC 62

## Pistol squad to open season

By Brad Billetdeaux

The varsity pistol team anticipated the beginning of their winter season by taking the National Civilian Pellet Shooting Title, thus beginning their winning ways. The squad opens intercollegiate competition tomorrow at 10am against Air Force, Boston State and Newark College of Engineering here at the MIT range.

This is the first year that Coach Tom McLennan has had the team practice with the b-b size, .177 caliber pellets. Pellet-shooting is now an Olympic as well as a Pan-American Games event. Varsity shooter John Good '72 was seventh overall with the pellet gun at the recent Pan-American Games held over the summer in Cali, Columbia. He shot a score of 567, only ten points below the winning score of 577. On November 14, the MIT varsity certainly demonstrated a quickly-attained mas-

tery of the weapon by winning the National Civilian title. They were only ten points shy of the more prestigious National Open title. Freshman Karl Seeler was highest in the junior category.

The varsity will be hard pressed to improve on last year's excellent 8-3-1 record. Their only losses were to Air Force, Navy and John Jay Academy, while they tied Coast Guard. Victories were scored against Merchant Marine, Penna, Villanova, Army, Air Force once and Boston State three times.

Top three shooters on the varsity are Captain Bob Gibson '72, Good, and Merrick Leler '74. Seeler is the best frosh. These men have much to aspire to, as the pistol team has an honor roll of eight All-Americans in six years! And the number of pistol All-Americans chosen each year is very small. The most amazing fact, though: McLennan says that every ath-

lete on the team has come out of physical education classes. One of MIT's most successful teams is composed of people with no prior experience. Only at MIT...

MIT is a member of the Greater Boston League, which contains fully 34 teams, the biggest and most competitive across the country. Each match is made up of two parts: conventional indoor and international slow fire.

For the conventional portion, the entire varsity shoots but only the four principals count toward team victory. Unbeknownst to the shooters, the coach decides beforehand which four men's scores will count in the match. Each man is then obligated to perform his best possible, and after all the shooting the scores are matched with the coach's list to see which ones counted.

### Low Discount Prices

PENTAX SPOTMATIC \$165.00 and Up



Darkroom Equipment Lenses, Film

Lowest Discount Prices on ALL Photo Equipment and Supplies  
**NEW ENGLAND PHOTO**  
 436 Mass. Ave. Arlington Center  
 Only 7 minutes from Harvard Square Tel. 643-1463

### Technology and Culture

Qualitative and Quantitative Thoughts on the Relations

Between Science, Technology, and Society

Derrick deSolla Price, Yale University

Friday, December 10

EVERY FRIDAY & SUNDAY FROM 4:30

Chinese Food Buffet  
 EGG ROLLS, SPARE RIBS, CHOW MEI, FRIED RICE, LIVE ROCK ENTERTAINMENT

MONDAY NIGHTS THE BEST HAPPY HOUR IN THE CITY  
 2-4-1 BEER · ROCK MUSIC  
 CONTINUOUS ENTERTAINMENT  
 Casual attire

ALL THIS AND MORE AT...  
**KIKI-KATY** KENMORE CLUB  
 Kenmore Sq. members, guests

Friday, December 3, 1971  
 Second class postage paid at Boston, Massachusetts. The Tech is published twice a week during the college year, except during college vacations, and once during the first week in August, by The Tech, Room W20-483, MIT Student Center, 84 Massachusetts Avenue, Cambridge, Massachusetts 02139. Telephone: Area Code 617 864-6900 extension 2731 or 1541. United States Mail subscription rates: \$5.00 for one year, \$9.00 for two years.