

# Student Center plans completed

By P. E. Comm

Wexler Construction Company will turn over the top floor of the Student Center to MIT for occupancy about November 20. This should enable the MIT library staff to prepare for opening of the reading room floor on Monday, November 29; a November 22 opening is possible but not probable.

These and other facts concerning the construction work and program in the Center were disclosed last Wednesday at a student-administration meeting. Students attending were from the Incomm Executive Council and the Student Center Committee; others included the Center architect, Prof. Eduardo Catalano; Al Zavelle, Tech Coop manager; Carl Carey, Bursar; Vice President Phillip Stoddard; Fred Grotheer, dining service manager; Paul Barrett and Jim Murphy, of Physical Plant; Prof. William Locke, Director of Libraries; and John Matill, Director of Publications. The questions and discussions ranged over a wide variety of the incompleting services and facilities which will eventually be incorporated into the building.

## MIT debaters win Amherst match; defeat 23 teams

MIT's Debate Team placed first last weekend at a 24-school tournament at Amherst College.

Each of the two teams, affirmative and negative, won five out of five debates. The overall 10-0 record was tied by Rutgers University, but MIT had higher individual speaker ratings.

The topic of the debate was the following resolution: "that law enforcement agencies in the United States should be given greater freedom in the investigation and prosecution of crime."

The affirmative debaters were Bill Arthur '69 of Phi Delta Theta and Gary Ketner '69 of Delta Kappa Epsilon. The negative speakers were Gary Epling '67 of Theta Delta Chi and Alan Guth '68 of Baker House.

In the area of individual speaker points, Arthur took 4th place affirmative, and Guth and Epling took 5th and 6th place, negative, respectively.

## Five JP queen finalists chosen; more entertainment announced



Miss Melinda Swenson



Miss Bobbie McCreary



Miss Rita Harrington

The five finalists in the JP Queen contest have been selected by the balloting of the student body. The finalists in alphabetical order, are: Miss Rita Harrington, date of John Schwarz of AEPi; Miss Nancy Miller, date of Ted Nygreen of SAE; Miss Bobbie McCreary, date of Gary Garmon of PGD; Miss Jean Spottswood, date of Simeon Masmanian of East Campus; and Miss Melinda Swenson, date of William Flor of LCA.

The Junior Prom Queen will be chosen by a committee of Beaver Key members during the intermission of the formal dance Friday night.

Additional entertainment has been acquired for JP Weekend. The Folkmen, a New York group along the lines of The Smothers Brothers and The Kingston Trio, will provide entertainment during the intermission of Friday's formal dance.

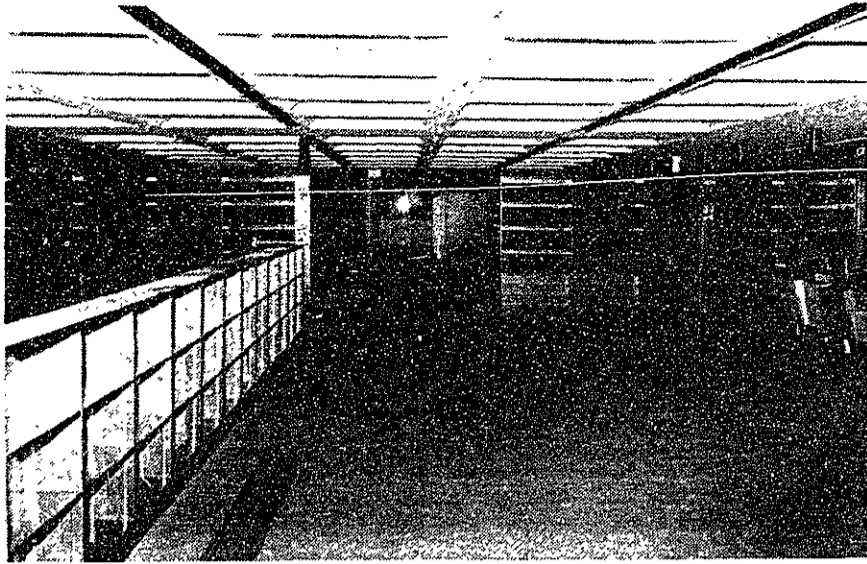
Anyone who wishes to get back the picture of his JP Queen entrant may do so by stopping at the Incomm office.



Miss Jean Spottswood



Miss Nancy Miller



Empty bookshelves await duplicate copies of all library reserve books, as new Student Center Reading Room nears completion. Target date for the opening of the new facility is November 29. It's scheduled to operate 24 hours a day when opened.

Photo by John Torode

incorporated into the building.

### No tunnel yet

In response to a query about a tunnel or bridge to cross Massachusetts Avenue, Prof. Catalano said that several plans were under consideration, but that no decision had been reached regarding the idea. As funds for such a project are not in sight, completion would be at least three years away.

### Pool by Xmas

The recreational area in the basement will be among the last to be completed, it was revealed. The complex will consist of 5 pool tables, eight lanes of bowling, and a row of snack and cigarette vending machines. The area has been designed to permit access to the machines even when the recreational facilities are not operating. Best guess of the group for a completion date for the area: just before Christmas. Captains for the student staff that will operate the complex have been chosen, and they are recruiting workers.

Mr. Zavelle reported that the general sales in the new Tech Store appeared to be very good, and that the all-day Saturday operation was especially worthwhile. In response to student questions, he indicated that Sunday opening of the small Lobby Shop was being studied, but that there are legal problems in the Commonwealth regarding such Sunday

operations.

### Furnishings not ready

Some of the final touches in furnishing the building may require several months more work, it developed. According to the architect, the elaborate rugs for the Sala de Puerto Rico "are still being woven in Iran." One of the grand pianos ordered is of a type that the Baldwin Company only manufactures in January of each year. The cinderblock walls may not be painted for about nine months. Two fifty-foot light towers for the front walkways of the Center should be installed "in about six weeks."

The students present also arranged individual meetings with those non-students present regarding the location of a building directory, a calendar of events, a sign on Mass. Avenue to identify the Center, the activities floor furniture situation, and bulletin boards.

## Civil Rights Comm. starts Sat. classes for Roxbury youths

Thirty junior high and high school students from Roxbury learned math and science from MIT students Saturday as the MIT Civil Rights Committee began its enlarged Saturday Enrichment program.

The program, run entirely by students, is financed by a \$400 grant from the Undergraduate Association. It is completely separate from the faculty-run Saturday program for Cambridge youths under the direction of the Institute Committee on Educational Opportunity.

Twenty MIT students participated. After the math or science class the Roxbury students participated in informal discussion seminars.

The program is an outgrowth of a pilot project last year. Its purpose is to give the culturally deprived students a greater exposure to math and science than they would normally receive.

Any MIT students interested in the program should contact Larry Risman, x3161 or dorm line 8-421. Chemistry instructors are needed most.

## Vietnam poll indicates approval of US policy

Student opinion on U.S. foreign policy in Viet Nam was expressed last Friday in a poll conducted by the MIT Science Fiction Society. 1099 undergraduates and 410 graduates participated.

The ballots presented five statements concerning US policy, and asked for shades of approval or disapproval of each statement on a scale from 1 to 5. The statements read, "Complete withdrawal of US from Viet Nam," "A smaller US role," "A continuation of present US policy," "A larger

## Blackout!

# New England power fails

By Bob Horvitz

The largest power failure since man harnessed electrical power swept 90% of the northeast portion of the US into blackness last night.

From Philadelphia, Pa. northward to 75 miles past Toronto, Canada, 40 million Americans were thrown into a state of mass confusion as a 2-million kilowatt power line from the Niagara Falls Power Plant began to back up.

Circuits throughout the New England area became overloaded and finally failed in the midst of the rush hour, at 5:27 pm. With all traffic signals failing, the entire northeast corridor highway system rapidly became a state of mass chaos.

25 persons were stranded in the Boston Prudential Building. All transportation systems came quickly to a halt, as planes bound for New York City were rerouted as far as Bermuda.

An uprising by prisoners in Walpole State Penitentiary was uncontrollable for 1½ hours. Off-duty police were requested to report for duty. President Johnson announced all national facilities were available for emergency use. But the Great Dome here at Tech remained ever lighted.

In the Boston area, students

quickly filled the streets. Boston University soon requested that all girls remain indoors. Other girls' schools wouldn't even allow incoming calls.

In the meantime, conflicting stories as to the source of the trouble were developing. "The tower is down at Niagara Falls and has knocked out the main line," blared one radio report.

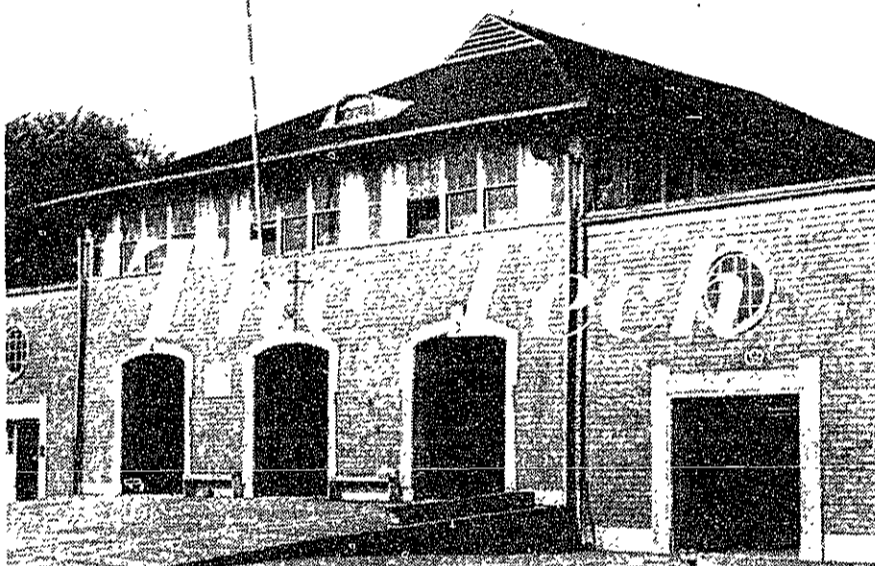
"A block in the grid system caused the present power failure," claimed another, while yet a third blamed the problem on "mechanical failure."

The Federal Power Commission declared they detected trouble at the Moses Switching Station 10 miles southwest of Niagara Falls. However, the Mohawk Power Company, which operates the plant, maintains that they haven't spotted any problems.

Auxiliary power systems were prepared everywhere. In the MIT area the South Boston generator was put into service, with all of Boston re-lit by 10:33 pm.

As power was restored, one power company official commented, "There will probably be some significant changes in the way we provide electricity, since one failure caused so much of the US to go entirely black."

It makes one wonder just why the entire New England area was ever connected in series.



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## Armory probable

# NRSA prepares transfer

By John Corwin

The Non-Resident Student Association (NRSA) is now planning for a probable relocation which will be caused by the construction of the new wing of McCormick Hall.

The tentative relocation area is the Housing Offices in the Armory. The Institute has suggested this plan because it cannot find the resources to build either a new house or a wing onto any existing West Campus structure.

### Located in Armory

The Housing Offices consist of seven rooms surrounding a lobby located just inside and to the right of the Massachusetts Avenue entrance. The NRSA Executive

Committee is working on plans to convert these rooms into adequate living group facilities.

### NRSA president speaks

Robert B. Gagosian, NRSA President, indicated that he felt the disadvantages of the move threaten to outweigh the advantages, which include proximity to the Athletic and Student Centers.

"In essence," he explained, "a house in which all four floors are used extensively will be put into seven rooms. Even with soundproofing, this will be inadequate. The transition from offices to a living group atmosphere will be difficult."

Gagosian went on to express his fear that the social situation of NRSA will deteriorate. "Somehow the idea of taking a date back to the Armory just doesn't appeal to me."

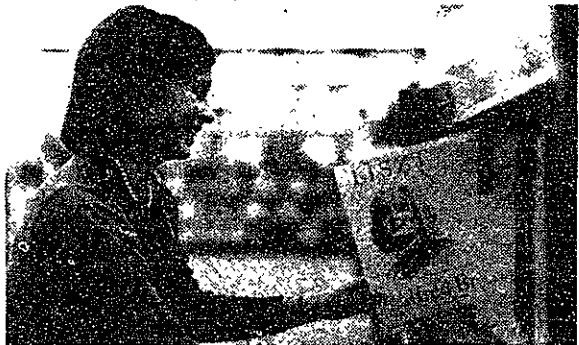
### Study conditions

He commented further on projected study conditions in the Armory. "They will leave much to be desired for those who cannot study in rhythm to a bouncing basketball. Furthermore, the Resident graduate tutor at 318 Memorial Drive will be replaced by an undergraduate tutorial program, and this loss will be felt a great deal."

### Hope expressed

Gagosian concluded by expressing reserved hope that NRSA will continue to function at its present level. He placed the challenge to the students: "All the advances of the last 3 years will turn to declines unless the commuting students face the problems of the Armory with the attitude of trying to build it into a living group."

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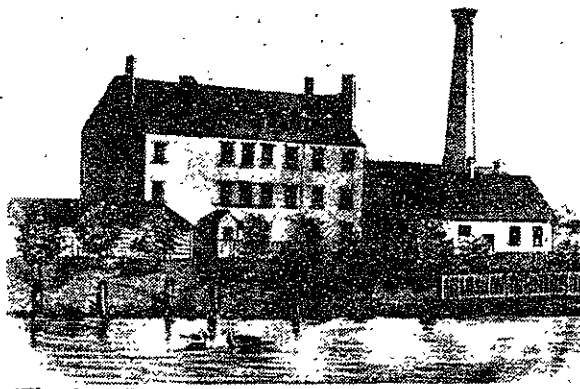
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Complete Folkways catalogue, 12" were \$3.98, now \$2.98; 3/\$8.25 — 10" were \$3.76, now \$2.76; 3/\$7.50



## LOCAL INTEREST BOOKS

"The Cambridge Book 1966" (CCA), \$2.95

"Reporting the News" (Louis M. Lyons), \$6.50

"Galley Slave" (Austen Lake), \$3.95

"The Gentle Americans" (Helen Howe), \$6.95

"Mrs. Jack" (Louise Hall Tharp), \$6.95

"Cambridge" (Knowles and Whitehill), \$5.00

"East Cambridge" (Camb. Hist. Comm.), \$3.00

"Buildings of New England" (Barker), \$4.00

"New Architecture in Boston" (Goody), \$2.95

## M.I.T. AUTHORS

Jerome Wiesner — "Where Science and Politics Meet", \$6.95

Tom Cole — "An End to Chivalry", \$4.95

Charles Abrams — "The City is the Frontier", \$6.50

Myron B. Bloy — "The Crisis of Cultural Change", \$3.95

M. C. Goodall — "Science and the Politician", \$2.65



## GENERAL INTEREST BOOKS

"The Sense of Wonder" (Carson), \$4.95

"The American Heritage History of the Great West", Pre-Christmas Reg. Ed., \$12.95; Pre-Christmas Deluxe Ed., \$15.45

"The New Yorker Album 1955-1965", \$7.50

"Larousse World Mythology", \$19.95 (before Jan. 1)

"The Dawn of European Civilization" (Rice), \$23.50 (before Jan. 1)

"Family" (Margaret Mead), \$10.00

"The Work of Frank Lloyd Wright", \$37.50 (pre-Christmas)

"Sierra Club" (Everest), \$25.00

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**THE TECH COOP**

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# School of Architecture building Rotch expansion

The Rotch Library of the School of Architecture and City Planning is being expanded.

The library is now on the second floor of building 7. A first floor addition is under construction, and will be finished some time after the first of the year. The cost is about \$90,000.

The addition is necessary because of the recent creation of the Department of City Planning,

new courses in art and history of architecture, and an expansion in graduate studies.

There will be 15 study carrels on the first floor, a new, larger reserve book section, and storage space for theses, rare books, and reference material. The entrance to the Rotch Library will remain on the second floor; a stairway and book elevator will connect the new section to the present facilities.

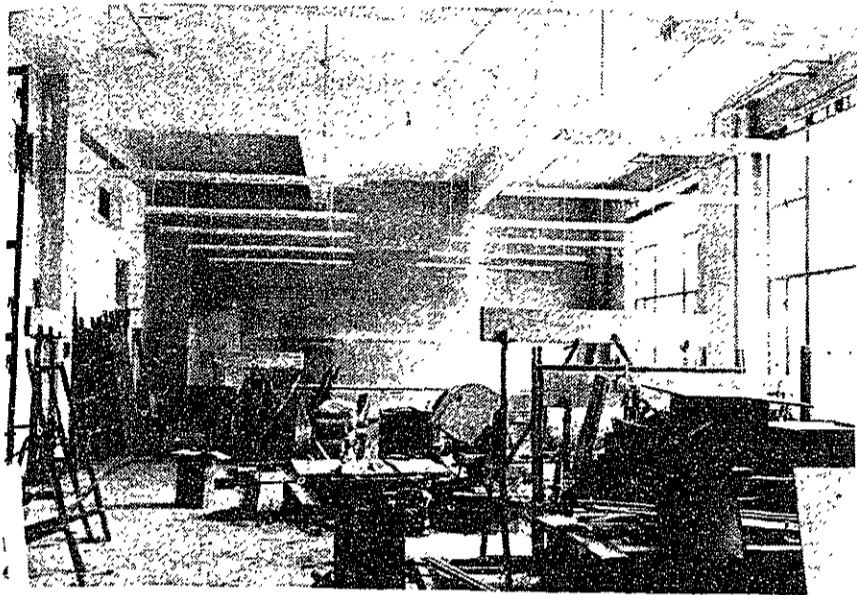


Photo by Bill Ingram

Construction materials litter the first floor of Building 7 as the Architecture and City Planning Rotch Library expands down one floor. The expanded facility is due to open January 1 with study carrels and extra books.

# Crossroads Africa applications fall due Tuesday, Nov. 16

Applications for participation in this summer's Operation Crossroads Africa are due Tuesday in Dean Fassett's office, where the forms are available.

All nationalities are eligible, including Africans going back to their native country for the summer. The fees total \$1800. They are partly subsidized, leaving the student with the obligation to raise the remainder. The Operation feels that raising the funds on one's own is a valuable experience. The Foreign Opportunities committee has suggestions in this regard. Questions may be directed to Rich Krasnow, x3205, the chairman of the Foreign Opportunities Subcommittee of Inscomm.

# Rediker, Stark appointed engineering professors

Dean of Engineering Gordon S. Brown recently announced the appointment of two new faculty members.

Dr. Robert H. Rediker of Lincoln Laboratory will begin as Professor of Electrical Engineering in July, 1966. Captain Robert E. Stark, USN, has joined the Faculty as Professor of Naval Construction in the Department of Naval Architecture and Marine Engineering, and as Professor and Head of the Department of Naval Science.

Dr. Rediker, a native of Brooklyn, received his SB in EE and his PhD in Physics from MIT. Since then he has worked at Lincoln Laboratory, where he was appointed Group Leader in 1959.

Captain Stark, a native of Lodi, New Jersey, graduated United States Naval Academy before

serving aboard the USS Philadelphia in World War II. He later received an MS in Physics from MIT. In 1964 Captain Stark became a staff officer with the Chief of Naval Operations, and became director of appraisal for the Bureau of Ships.

# Metallurgists honor Backofen, Turner, Avery

Three MIT staff members were chosen winners of the American Society for Metals 1965 Henry Marion Howe Medal for work done in metallurgy.

The three honored are: Dr. Walter A. Backofen, professor of Metallurgy; Ira R. Turner, laboratory assistant; and Dr. Donald H. Avery, assistant professor of Metallurgy.

They were honored for their paper, "Superplasticity in an Al-Zn Alloy," which was published in the December, 1964 edition of the ASM publication "Transactions Quarterly." At the time of their work, Mr. Turner was an undergraduate in the department of Physics and Dr. Avery was a Research Associate under Prof. Backofen.

The medals and certificates in recognition of their work were presented to Dr. Backofen, Mr. Turner, and Dr. Avery at the Annual ASM Awards Luncheon, Tuesday, October 19, during the ASM National Metal Exposition and Metals/Materials Congress.

# Furniture sale sponsored by Technology Matrons

By Sue Downs

The Student's Furniture Exchange will hold a sale on Thursday, Nov. 18, from 10 am to 3 pm.

The Exchange, sponsored by the Technology Matrons, gathers used furniture from many sources and sells it to MIT students. Since the Exchange will close after Thanksgiving, all the stock must be sold. At this clearance sale, students may buy stoves, refrigerators, a double desk, an all metal kitchen cabinet as well as many other miscellaneous items at very reasonable prices.

If furniture is returned to the Exchange at the end of the term

in reasonable condition, the student is refunded 2/3 of the cost of any pieces. Profit from these transactions is used for student activities sponsored each year by the Matrons.

The exchange is located on 224 Albany Street and is open from 10 to 3 on Tuesdays and Thursdays.

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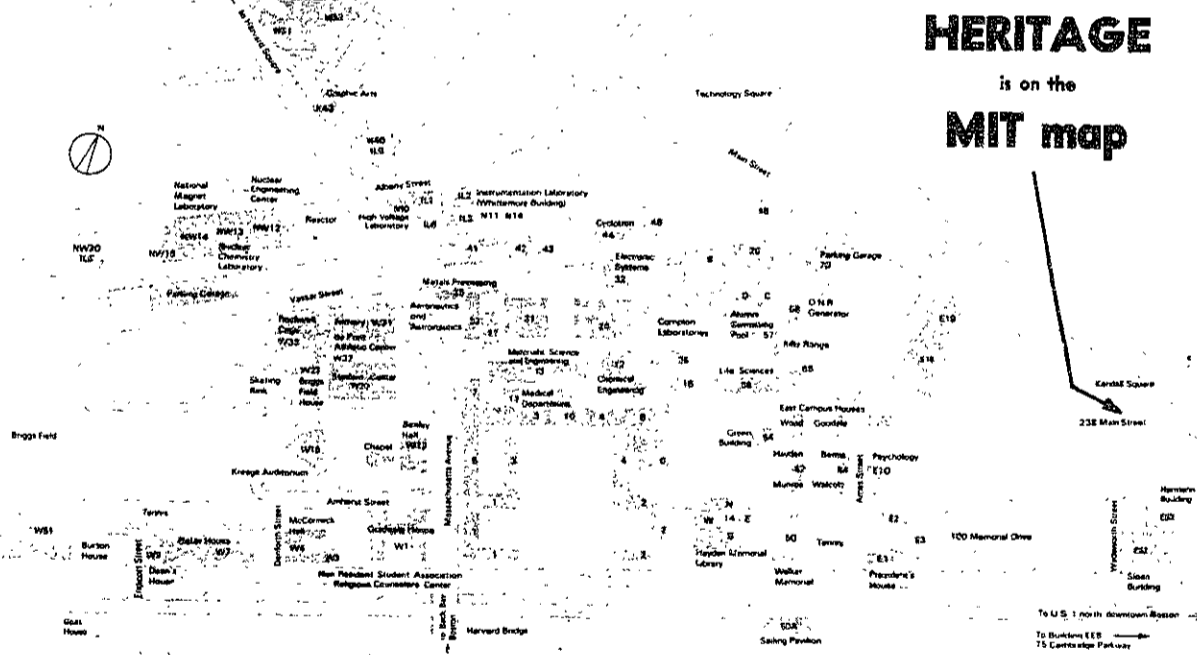
# Prof. Mahoney elected councilman



Photo by John Torode

MIT Professor of History Thomas H. D. Mahoney is congratulated by his brother, Father Leonard Mahoney, SJ, Professor of History at Boston College, on his re-election to the Cambridge City Council last week. Professor Mahoney ran fifth out of nine elected Council members to gain his second two year term. Professor Mahoney is MIT's first faculty representative on the Council this century. He will return to his teaching duties next September, after a year's leave from duties.

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# Inside Inscomm

Juniors to get rings this week as Inscomm reverses past vote

By Bill Byrn

By a 13-3 margin, the Institute Committee voted last Thursday to reverse its decision of last May and allow the Class of 1967 to receive their class rings this week. Accordingly, George Piccagli, president of the class, has arranged for distribution today and Friday.

A wide variety of other topics were touched on at the meeting,

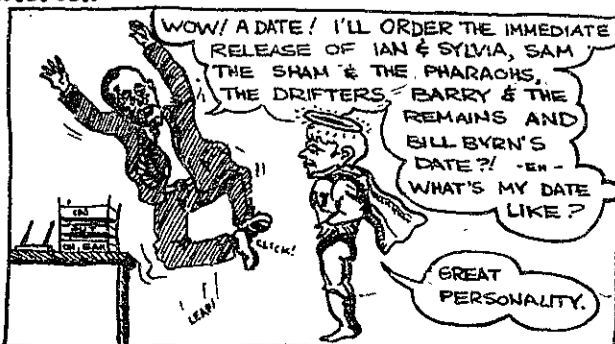
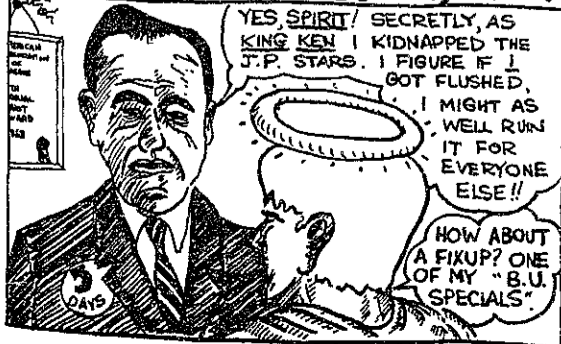
which ran to 12:15 a.m. and drew a crowd of about 50 student guests. Among the other items discussed were schemes for allowing a broader use of the new Undergraduate Association printing press, which was purchased this summer at a total cost of \$3300 and is now in the Lecture Series Committee office. The final scheme for use of this press will be approved by the Activities Development Board, a joint student-faculty body.

In other action, the Interfraternity Conference was requested by the Institute Committee to prepare a financial statement of income and expenses related to the IFC dance on October 23.

Richard Engle and Bob Ramers, both seniors with considerable curricular and extracurricular

(Please turn to page 14)

# THE SPIRIT OF '67 by Keith Patterson



# THE TECH

Vol. LXXXV, No. 23 Nov. 10, 1965

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Unsigned editorials in The Tech are the opinion of The Tech's Board of Directors, not that of MIT.

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

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Front page photo of the Charles River side of the old boathouse taken by Art Kalotkin.

## Time for a change

It was interesting to hear that only 12 single-event tickets have been sold to the JP Saturday "blast" in the Armory. We wonder if that heralds a changing taste in the student body.

Student taste has been the topic of a lot of official conversations in the Boston area, particularly when that taste became public. Students in Back Bay apartments, few if any of them from MIT, have made a general bad name for all the schools in the area. The result has been, among other things, the creation of those "liquor purchase identification cards;" there has also been talk of setting up a regulatory board for the actions of area students.

All of this simply means that, like it or not, students may be forced to change their taste in parties—especially the louder kinds. Several groups on campus have already discovered that neighbors do complain to the police.

Frankly, we aren't bothered by noisy parties, but we have to face the fact that some people who are can cause a lot of fuss. There is absolutely no question of fighting it; it just looks as though the taste level of parties may have to change. And thanks to the general trend of affairs, on-campus parties are no exception.

We prefer to approach the matter positively; rather than bemoaning parties which won't exist, let's look for some different ways of enjoying ourselves than "blasts." The Student Center is of course the outstanding place for experiment; we would like, for example, to see the Spring Weekend semi-formal there. And it seems sensible to use this purposely social facility more than the Armory, which was designed for athletics.

Various groups have tried to make some changes in the year's social calendar; the Student Center Committee is offering active support for any who want to use the new building, whether the affair is an Outing Club square dance (November 12) or an open bid fraternity party. So far the new types of parties have proved fairly successful.

Variety is the spice of life, and at times it has seemed to be nearly absent on Campus, with the round of "blasts" and folksingers occasionally punctuated by a formal. It is admittedly much more difficult to think about something new than to grind out an old successful formula; but the total social life of the campus has suffered from such conservative, unoriginal planning. If the current civic situation can bring about some innovation, it will be worth it.

## NRSA quarters

Current plans for the new addition to McCormick seem to indicate that the Non-Resident Student Association house will have to be torn down; since we have heard rumors about the intended fate of the NRSA, we feel it time to clarify the situation publicly.

There is no ideal location now on campus for the NRSA to move to, so the administration has planned to move the organization temporarily into the Armory offices. To the students here now this "temporary" plan may seem permanent; they may graduate before anything better is found or built. But this is not intended to discourage the organization and activity of non-resident students.

The administration recognizes the value of the NRSA, and its contribution to the extracurricular life of students not affiliated with any other group. NRSA teams and social events have a definite place on campus. Non-resident participation in activities indicates their general interest in the community life.

Everyone recognizes, too, that the NRSA needs some "home base" of its own to work from, some informal gathering place and nucleus of organization. It is perhaps unfortunate that something definite has not been planned for the next year or two, but the non-residents should be assured that both administration and student leaders are aware of the problem and are working toward the quickest possible solution.

## Prediction time

As the Big Weekend approaches, there are many questions on a thousand lips: Will the Spirit of '67 save JP? Will Georgio remember to stand behind the Queen when he crowns her? Will the rope break again? But of course the big question is, will '69 win Field Day?

Alas, the poor freshmen have not been sparkling with enthusiasm. Very little propaganda has floated down the corridors of the main building, no mysterious markings have appeared on the bridge, and the '68 officers have suffered no harassment, or even inconvenience.

We propose, therefore, to give the kiss of death to the sophomore cause by predicting that they will win Field Day. After their ignominious defeat last year (and, of course, our helpful prediction of their victory) the class of '68 is out for blood. If they can get a turnout like '67 did last year, they'll have it made.

We hope that Beaver Key can at least give the freshmen the benefit of the doubt this year and order enough gloves. There is no need for more than one prediction to be wrong.

## A night of stars

Looking through old volumes of The Tech, we discovered a glorious tradition that has been allowed to fall by the wayside—the All-Star Basketball Game. This titanic struggle was waged annually between two stalwart faculty teams, usually Humanities and Science vs. Engineering and Administration, with a cheering crowd of a thousand students.

We have determined to revive this sadly neglected event, for several reasons. First, The Tech always sponsored it; second, the campus could use a different sort of entertainment; and finally, the thought of Dean Wadleigh running around in shorts is too irresistible to pass up.

Various members of the faculty have been warned; we are now searching for a suitable date for the carnage. More about this night of stars will be gradually leaked out in succeeding issues of The Tech.

## Footnotes

by Chuck Kolb

93. MIT's much regarded image moved downward last week, down from the third floor of Building 3 to the second floor of Building 5, that is, as the Public Relations and Publications Offices moved to new locations.

The PR Offices, home of those inspiring periodicals 'Tech Talk' and the 'Calendar of Events,' can be entered through 5-211. The Publications Offices are located at 5-221 and 5-205.

94. The High Voltage Research Lab which was forced to move when old Buildings 28 and 30 were torn down last year has new quarters in a building by itself on the corner of Mass. Ave. and Albany Street beside the Instrumentation Lab. Official designation of the facility is N10.

The HVR Lab is under the direction of Professor John G. Trump and does research in medical applications of high energy X-rays and studies on irradiation as a food preservation process with a 4 Mev electron accelerator and two 2 Mev X-ray machines.

95. For those of you who don't know how widespread the number of designation of MIT buildings is: Burton House is really W51; Baker House is officially W7; McCormick, W4 and W3; Bexley, W13; Ashdown, W1; East Campus, 62 and 64; and Senior House, E2 and E3. The President's House is really E1 while the Sailing Pavilion is 50A.

It is not true that the Phi Beta Epsilon house, home of our fearless UAP, is Building 007.

96. The Institute shined its image and advanced its com-

mitment to apply fair employment policies last week when, by invitation of Governor Volpe, it became the first educational institution to join the Massachusetts Plan for Equal Employment Opportunity.

MPEEO is an association of nearly 70 employers in the state pledged to promote fair employment.

97. Professor T. William Lambe, a soil mechanics expert in the Department of Civil Engineering, has been appointed a member of the Lunar Surface Subcommittee of NASA's Science and Technology Advisory Committee for Manned Space Flight.

Other members of the subcommittee are Caltech President Dr. Lee DuBridge, Harvard astronomer Dr. Leo Goldberg, Princeton Geologist Dr. Harry Hess and Dr. Gordon MacDonald of the University of California. Chairman of both the main committee and the subcommittee is Dr. Charles Townes, Provost.

We suspect that the presence of so many Cambridge and California people on the subcommittee means that NASA fears the worst—that the lunar surface has the consistency of a mixture of smog and Charles River water.

98. From November's 'Technology Review' comes the information that for the 1915-1916 school year only 67 of the 1900 students registered were candidates for an advanced degree.

This year's enrollment should event out to about 3600 undergrads and 3600 grads. Let's hope that 50 years from now there aren't 670 undergrads and 19,000 graduate students.

## Kibitzer

By Mark Bolotin

North			
♠ K Q J 10 9 6			
♥ 9 8			
♦ K 7			
♣ A 5 4			
West		East	
♠ 8 7 5	♠ 4 3 2		
♥ 7 5	♥ A 10		
♦ 10 4 2	♦ A Q J 9 6		
♣ 9 8 7 6 2	♣ K J 3		
South			
♠ A			
♥ K Q J 6 4 3 2			
♦ 8 5 3			
♣ Q 10			

Bidding:  
 North 1♠ East 2♦ South 2♥ West P  
 2♠ P 4♥ P  
 P P

Correct analysis of the hand enabled East to attempt a rather bold but well calculated play, to set an otherwise cold contract. West led the ten of diamonds, which was covered by the King and won by East's Ace. East then stopped to analyze the hand. South apparently had a long, solid heart  
 (Please turn to Page 5)

# Letters to The Tech

# Looking Back

## Loyalty Oath Fund

To the Editor:  
A letter was recently circulated at MIT in which my name was listed as a member of the MIT Committee for the Loyalty Oath Fund. Whilst I agreed to collect money in my department in support of Professors Pedlosky's and Watson's legal action against the loyalty oath, I am not in fact a member of the above Committee.  
George Wolf  
Associate Professor  
Department of Nutrition and Food Science

## Food on Sunday

To the Editors of The Tech:  
Sunday night. I'm getting hungry, but let's just finish that problem set first. Aaaaah. Now to eat. Through the cool night air, over to new Student Center, haven for Techmen. To Lobdell. Eight o'clock, closed. Damn. But Grill Room is supposed to be open till all hours, isn't it? Go upstairs. Closed too.  
Rumble, rumble. Mutter, mutter. Always knew Sunday was a day of rest. Never knew it was supposed to be a day of fasting. Open random door. "Hey, any of you guys know where I can get something to eat?" Not here." Mutter, mutter. If Stouffer's won't run any place to eat, why not get TSE to do it?  
Oh, well, so it shouldn't be a total loss, down to the Lobby

Shop to get a tube of toothpaste. Also closed.  
This is bad news. But then, if you can't eat, who needs toothpaste?

Daniel P. Smith '66

*(This problem is currently under discussion in the Student Center Committee, with the administration and Mr. Grotbeer. Right now the problem is staff hiring. There is no immediate solution in sight —Ed.)*

## Thomas lecture

To the Editor:  
"Pure opinion, however substantial it may appear to the individual mind which fosters it, is a totally inadequate means of communication . . . sound logic is the only suitable medium of communication." Personally, I was surprised to find that Thomas Nesbitt's review of Norman Thomas's speech made so little use of this medium.  
At the start of the second paragraph, Nesbitt admits that he is biased against Mr. Thomas's views, thereby voiding all further remarks on the speech as being prejudiced. The remainder of the article is characterized by vague, unsubstantiated opinions, sly remarks, and a pickaninny (sic.) attention to semantics — none of which prove Nesbitt's contention that the speech was "pure opinion." To further sadden any lo-

*(Please turn to page 6)*

# A short history of Field Day

By Bob Horvitz

"He who shuns the dust and heat of the arena shall not enjoy the cool shade of the olive branch of victory": so proclaimed the victory cup of the original Tech Field Day back in 1901.

This first Field Day was a replacement for Cane Rush, in which the frosh were given a cane and were supposed to defend it from the sophomores. After fifteen minutes, a pistol was fired as a signal to end hostilities. The winning class was the one whose members had the most hands on the cane.

## Frosh killed in '00

At the last Cane Rush in 1900, an unfortunate incident occurred in which one freshman was fatally injured and another was carried from the field with a hemorrhage of both eyes and a heart injury, never to recover fully.

Obviously, a substitute event or events which would be just as popular but would call for the display of skill rather than that of brute force was necessary. President Henry Pritchett, the Advisory Council on Athletics, and two undergraduate committees finally developed the idea of Field Day.

In the years following World War I, Field Day lasted two days, beginning with the famous Tech

Night opening hostilities, in which a small fight would usually begin in a local theater and spread throughout the streets of Boston and Cambridge. Trouble with local authorities caused the discontinuance of this practice.

**Sophomore Banquet Introduced**  
From 1923 to 1926, the Sophomore Banquet replaced Tech Night. The primary aim of the freshman class was to disrupt the proceedings of the banquet as completely as possible. They were most successful in 1926, as that year's Sophomore Banquet became known as the Tech Riot.

The following editorial appeared in the Boston Post after this riot: "If a crowd of young men from the tenement districts of Boston, let us say, had invaded the Back Bay on Thursday night, smashing windows, wrecking dance halls, raiding automobiles, tearing up subway station gates and ending by raising havoc with tunnel cars, the police would have been called out for riot duty and the disturbers would have been clubbed into submission. And the public would have correctly termed the outbreak as an exhibition of unadulterated hoodlumism."

"That the youths who did just these things happened to be students at the Massachusetts Institute of Technology makes them no less hoodlums — more so, if anything, since they are supposed to have a rather high position to maintain. Education presumes the ancient feeling of 'Noblesse oblige.'"

## Glove fight main event

It was then decided that a replacement for such activities was needed, and following the Tech Riot, the Glove Fight became the main event of Field Day.

In the period from 1926 to 1934, the classes gave vent to their enthusiasm by throwing various kinds of refuse at detractors. Unfortunately, the thrower's aim was usually poor, and this practice was also discontinued by the Institute.

During the '30's Field Day took on a new and practical significance for the freshman class. The frosh class had to follow three "Freshmen Rules":

1. All freshmen shall wear regulation ties, four-in-hand, with cardinal and grey stripes. (The ties were sold, of course, by the Coop.)

2. Freshmen are expected to speak to all members of the faculty and to tip their hats to the President of the Institute and the Dean.

3. Freshmen should not loiter around the Main Lobby or sit upon the benches in the lobby. Whenever the Freshmen won Field Day, this third regulation was suspended for the rest of the year.

## All tied up

Since the introduction of Field Day as we know it today, numerous experiments in warfare have been tried. In one year, during the tug-of-war, one class added an extension to its end of the rope, and then tied this extension to a nearby telephone pole. The judges evidently did not notice, and as a result the team with brains as well as brawn pulled their wearied opponents across the line.

In 1956 the sophomores held a Mug lift. That beer which was not consumed by the sophomores was used to soak captured freshmen. These activities continued until the frosh retaliated with their secret weapon — a skunk!

## Athletic events once common

Prior to 1957, in addition to the traditional Glove Fight and tug-of-war, Field Day featured athletic events such as tackle football, crew races, and swimming meets. In 1957 the Athletic Association discontinued Field Day because it felt that these activities were injurious to varsity athletics.

The following year, Field Day was reinstated under the direction of Beaver Key, the Junior Class Honorary Society. In its present form, Field Day is a series of events designed to test the classes' ingenuity, organization, and participation.

The major events of the present Field Day program are gadget races, such as boat races on the Charles, totem pole races, bed races, litter races, and stagecoach races. Mystery events have also been added to the traditional Glove Fight and tug-of-war.

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# Kibitzer . . .

*(Continued from page 4)* the board by leading the King of clubs. With that lead, South's hopes dropped. If he let the King hold the trick, the defense could cash another diamond and a trump. If he won the Ace, there weren't enough entries to get any sloughs on the spades. Neither did he have enough time to ruff out his losing diamond.

East's play of leading the King of clubs is known as the Deschappelles Coup and is an impressive but occasionally useful way of knocking out entries. If East leads a low club, South can win in his hand, unblock spades by cashing his Ace, and later throw off a losing diamond on a long spade. Without a club lead, South has time to discard a diamond and a club on long spades.

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## Corona still mystery

# Radar pulses affected by sunspots

By Mike Rodburg

A correlation between the annual pattern of sunspot activity and the degree to which the sun's corona will reflect radar pulses has been found through long-term radar studies of the sun from El Campo, Texas.

Averaged out over a year, the more active the sunspots are the more readily will the sun's corona reflect radar pulses back to earth. The finding was reported by Dr. Jesse C. James in a paper presented before the Northeast Electronics Research and Engineering Meeting (NEREM) in Boston, Friday, Nov. 5. Dr. James is director of the world's largest solar radar facility which is operated at El Campo by MIT's Center for Space Research, under support from the National Aeronautics and Space Administration.

### Supports theory

The proportional annual correlation, Dr. James said, does not come as a particular scientific surprise since theory would indicate that such violent solar eruptions as associated with sunspots should influence the radar reflectivity of the corona. But it is the first experimental data yet obtained to bear out the otherwise theoretical correlation and should be helpful to scientists in determining the properties of the various sections of the sun.

Direct proportional correlations cannot be observed with El Campo equipment over short periods such as day to day or even week to week, Dr. James noted. Only when data for an entire year is compiled and analyzed can the sunspot-reflectivity correlation be seen. Dr. James and his associates at the field site have been

studying the sun's corona with radar since April, 1961.

The corona is sometimes thought of as a sort of solar atmosphere surrounding the visible solar disk, except that it is proportionally far larger than the earth's atmosphere, extending out into space several solar radii. The turbulent corona is composed of charged, high-energy hydrogen nuclei, electrons, and other particles released from the continuous hydrogen explosions that represent the sun's source of energy.

### Vast particulate clouds

Vast clouds of charged particles that streak away from the sun and through interplanetary space at speeds near that of light—clouds that are sometimes called solar winds—come from the turbulent corona and make up what is called the "extended solar corona."

The El Campo solar radar antenna is a fixed array of 1,024 dipoles, small metal crosses, spread out over a nine-acre field in eight orderly rows. The power source is a 500,000 watt radio transmitter, operating at a frequency of 38.26 megacycles per second (7.84 meters wavelength). The antenna's view of the sky is

a fan shaped one—15 degrees wide east and west and  $\frac{1}{4}$  of one degree north and south; the latter is slightly larger than the angle subtended by the sun's disk as seen from the earth.

### Operated daily

The radar is operated for 32 minutes every day around noon while the sun moves through the 15-degree antenna field of view. For the first 16 minutes—the time it takes a burst of radio energy to travel from earth to sun and back—the MIT scientists transmit coded radar pulses. For the last 16 minutes, they shut down the transmitter and receive the echoes. A computer is used to analyze the data and select the true signals from background noise from the sun and from elsewhere in the sky.

Dr. James informed the NEREM meeting that the echoes always exhibit "doppler spreading," shifts in frequency which indicate that they are being reflected by rapidly moving material in the corona. Precisely what these rapid motions are, he said, is still a mystery. "But they are thought to be wave motions of some sort that are responsible for the heating of the corona," he concluded.

## Letters to The Tech

(Continued from Page 5)

gician, Nesbitt confused the plan of action Mr. Thomas proposed—the original called for a Geneva conference before the withdrawal of the GI's.

Aside from this, the tone of the review implies that opposition to the war in Vietnam is based on pure opinion, whereas cold (or rather "cold-hearted") logic supports it. This has been debated many times before now, and has never been "proven" one way or the other.

As a final note, it was interesting to see that this article appeared in The Tech as a "factual" review, whereas Ted Nygreen's article on the growth of the "hate-communists" dogma in America was prefixed by "This article does not necessarily reflect the opinion of . . ."

Lee Seldon '67

### Grungy Tools

To the Editor:

In the light of your note in the last issue of The Tech on the status of the Esquire Fashion Contest, I would like to point out something I'm sure you must know by now. Most of the prime entrants you listed were obviously put up as a joke—those on the list whom I know personally

are all perfect personifications of the grungy "Tech Tool" of ill repute.

I'd therefore like to suggest a serious entry (because, for one thing, the prizes and recognition are not small and I feel this young man could use them as well as any MIT man I know). His name is John Hoche. He is a senior from Winter Park, Fla., in course XXI, heading for medical school next year. He is one of my fraternity brothers and a good friend.

Though his wardrobe is hardly extensive, it is quite tasteful and well coordinated; his "fashion awareness" is extensive and very reliable.

He is no politician, and I doubt that unless a ballot stuffing campaign is launched he will receive more votes than the jokers.

I hope this hurried note will reach the right hands and prevent an embarrassing election.

Tom Scott '66

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# Mass. Corps interviews

Recruiters for the Commonwealth Service Corps will be at MIT in Building 10 all day Thursday, November 18, to interview prospective volunteers.

The Commonwealth Service Corps is described as "the nation's first domestic Peace Corps." Volunteers work part or full time at projects designed to alleviate poverty and suffering in Massachusetts. They are unpaid, but

are reimbursed for their expenses. Projects for this year include counseling dropouts, aiding probation officers and physical therapists, and assisting in the education of economically and socially disadvantaged children.

Additional information can be obtained from the regional office of the C.S.C. at 15 School St. in Boston, or from the MIT Social Service Committee, Room 441, Student Center, x2894.

## The Prospectors Ski Club

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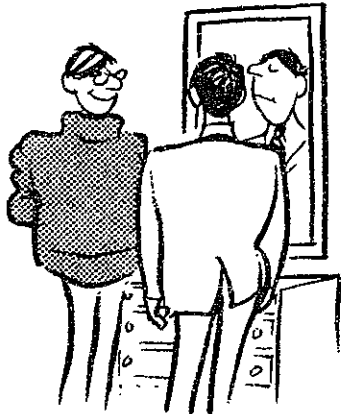
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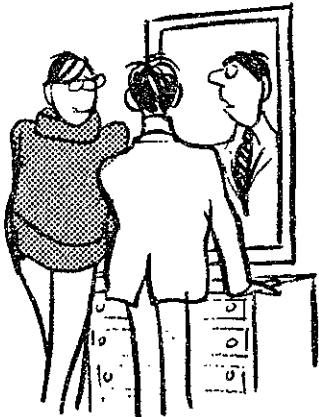
1. Talking to yourself?

Rehearsing a speech. I'm running for President of the Student Council.



2. Angela's idea?

She says it will help me develop a sense of responsibility.



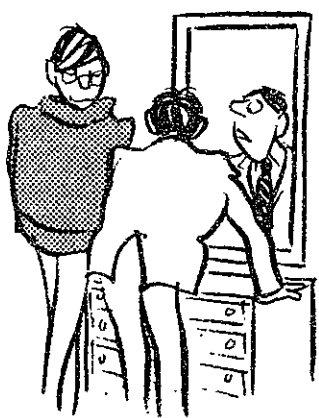
3. What's your platform?

Do I need one?



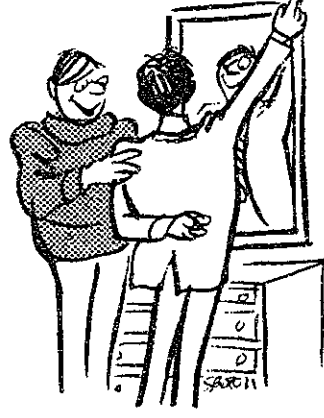
4. You have to give people a reason for voting for you.

How about "A chicken in every pot"?



5. Already been used.

"Tippecanoe and Tyler too?"



6. Look, if you want to show Angela you're responsible, why not sign up for Living Insurance from Equitable. It's one of the most responsible things you can do—because Living Insurance will give your wife and kids solid protection.

"I would rather be right than President."

For information about Living Insurance, see The Man from Equitable. For career opportunities at Equitable, see your Placement Officer, or write: Patrick Scollard, Manpower Development Division.

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## College World

## Academic mortality rate of CCP seen to be at dangerous level

By Jeff Trimmer

Now that the term is well under way and the first round of quizzes has hit or is presently pounding students into submission, it might be well to dwell for a moment on the pitfalls that often befall students as they continue their studies.

One of the greatest causes of student academic demise is the illness known as Compulsive Card-Playing. The compulsive card-player, as everyone must know, is the one who just has to get in "a couple of hands" before dinner, after dinner, for a study break, or in between study breaks.

The problem has grown greatly in recent years, and raids by administration officials on a series of dormitories and fraternities in a midwestern university netted some 8,000 packs of playing cards. The orgies precipitated by card-playing are disastrous, according to administration officials.

The crackdown, as reported by Don Sockol of the Michigan State News, was the result of leaks to scholarship chairmen that mid-term week would set the scene for increased orgies of bridge, hearts, and euchre. Reportedly the administration condones less harmful and addictive games such as canasta, gin, and solitaire.

Canasta called "safe" "The academic mortality rate of a game like canasta is so low as to be statistically negligible," noted one agent.

"Canasta and solitaire don't have enough kicks in them to get a student hooked," said another.

Bridge is one of the prime causes of academic mortality. Bridge players usually don't play for money. Money means nothing to them.

Perhaps the most terrible part of the whole thing is the "pusher," according to Sockol. The pusher is an addicted bridge player who feels compelled to teach others the nefarious game just to continue his own satisfaction. Unsuspecting freshmen are often the target for his activities.

Just what can be done with the problem is a difficult question. Society must face the problem that the addicted card-player is not an evil, dirty person who should be punished by flunking his midterms, but is actually a sick person, and must be treated for his illness.

Sockol proposes that clinics be set up in areas hardest hit by bridge addiction. This hopefully will free those closely associated with the addict from feeling ashamed. To hide, condone, or accept the addict will certainly not help the unfortunate victim.

Until these clinics can be set up there are several things that can be done:

1. If you find a deck of cards, turn it in to your scholarship chairman.

2. If you live off-campus and discover a deck under your roommate's mattress, tie him to a chair while you burn the deck. When he ceases to be violent, you may untie him and he will thank you for what you have done.

3. If you catch a younger child playing cards, beat his dealing hand with a hammer and hit him with a chain made of decks of cards reinforced by steel. He will learn to associate cards with pain and avoid them.

The WCTU are a . . .

"Hell hath no wrath as that of a woman scorned," or something like that. Michigan State News writers discovered this when they printed a quote by a professor of history calling the Women's Christian Temperance Union (WCTU) a bunch of sleepy old ladies.

Well, if they were sleepy or old they surely woke up fast. At least that is the conclusion which must be made from the response which was immediate and vociferous.

To quote from some of the letters: . . . the WCTU is not asleep but very much awake and their members do not wear sneakers but hard toed boots that are suitable for stamping out the evils they see around them.

Not like Harvard, please  
"Two of my family attended

Michigan State and I would hate to see it going down the road of Harvard and Yale. As one person said, 'I would never allow my children to go to Harvard of Yale or any college where students are in control.'

Another comments: "Trying to play up to the galleries, aren't you?"

And another: "You see we are living in a dangerous age and we need to keep our minds clear so we can avoid the pitfalls we see around us. I am proud to be a member of the Women's Christian Temperance Union—and I dare you to print this letter in your paper."

Well, The State News did print that letter along with eight others. And for those in doubt, the WCTU stands for clean living, the United States of America, apple pie and ice cream, the American way, hotdogs, and other "good" things.

### Glue-sniffing gets tough

Glue sniffers and enthusiastic model plane builders may be in for a hard fight, as legislation to limit airplane glue sales is being introduced in many states.

The fad, which began several years ago, when young children were found getting high by sniffing the fumes or vapors from airplane glues, has caused furors in many states.

According to several who have tried the action, the inhalation of the vapors produces feelings of exhilaration and excitement similar to alcoholic stimulation. Increased sniffing produced slurred speech, drowsiness, stupor, or even unconsciousness.

Dr. Kinsey of Indiana University's Institute for Sex Research announced that a study is planned on "Sex in College." Reported the New York Times: "It hopes to lighten its staff's load by training students to do much of the field work on that one."

### "Bitch-in" results

Not too long ago a "bitch-in" at the University of Colorado was reported. Now the outcome of this unusual experiment can be reported.

The bitch-in was originally planned to allow the 2800 students at Colorado to protest administration policies. Half the crowd sat, slept and did homework on the floor, while others milled about trying to think of a "bitch" they might air. One coed from California paced the ballroom floor, wrapped in red ribbon with a sign on her back stating "I protest the red tape at the University of Colorado."

Although faculty and administrators were expressly invited to attend, virtually none were there.



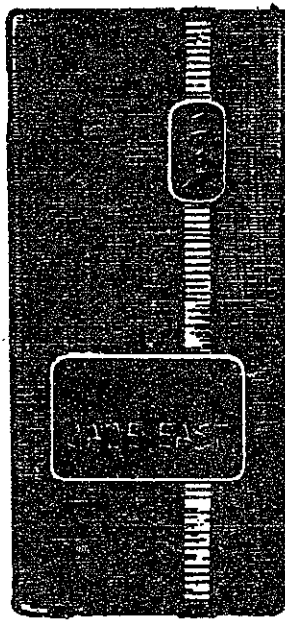
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## The Bulletin Board

Compiled by the Public Relations Committee of Incomm, The Bulletin Board is a weekly service of the PRC and The Tech.

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.

The deadline for events of the week of November 22-28 is today, November 10.

Further information may be obtained from Bob Howard (x3783), editor of the MIT Student Bulletin.

### Wednesday, November 10

12:00 noon—Episcopal Communion Service. Speaker: Fred Cleveland, followed by lunch, MIT Chapel.

5:00 pm—Tau Beta Pi. Student Center, Room 407.

5:00 pm—MIT Concert Band rehearsal. Kresge Auditorium.

5:00 pm—MIT Glee Club rehearsal. Kresge Auditorium.

5:00 pm—Lecture by Klans Liepmann: An Introduction to the Beethoven String Quartets. Admission: free. Music Library.

Night—Voo Doo make up. W20-460.

7:00 pm—International Students Council. Student Center, Room 467.

7:15 pm—TCC-VCF-1st Lutheran Church Forum Film: Question Seven. Admission: free. Coffee and doughnuts. Room 26-100.

7:30 pm—Gilbert & Sullivan Society rehearsal. Kresge Auditorium.

10:00 pm—Lutheran Vesper Service. MIT Chapel.

### Thursday, November 11

Veteran's Day: no school.

6:00 pm—J.F.C. Dinner and Business Meeting. Hotel Kenmore, Crystal Ballroom.

7:00 pm—MIT Rocket Research Society Meeting. Student Center, Room 467.

### Friday, November 12

1:00 pm—MIT Islamic Society: Juma Prayers. Kresge Rehearsal Room A.

5:00 pm—Tech Catholic Club: Philosophy Lecture Series. Room 3-133.

5:00 pm—Science Fiction Society Meeting. Spofford Room 1-236.

5:15 pm—Vedanta Worship Service. MIT Chapel.

7:00 pm—L.S.C. Movie: Cartouche. Admission: 50c. Room 26-100.

7:30 pm—MIT Outing Club: Intercollegiate Square Dance. Caller: Richer Castner. Admission: 75c. Refreshments. Student Center, Sala de Puerto Rico.

7:30 pm—MIT Hillel: Friday Evening Service. MIT Chapel.

8:00 pm—J.P. Formal Dance. Sheridan Boston, Prudential Center.

9:30 pm—L.S.C. Movie.

### Saturday, November 13

Morning—Field Day. Briggs Field.

12:00 noon—Varsity Sailing: Fowle Trophy. Sailing Pavilion.

1:00 pm—Gilbert & Sullivan Society rehearsal. Kresge Rehearsal Room B.

1:00 pm—War Games Society meeting. Student Center, Room 473.

(Please turn to page 13)

## \$800 in awards offered in annual undergraduate Course II contest

Undergraduates in the Department of Mechanical Engineering are being offered the opportunity to compete for the annual Luis de Florez Awards for Outstanding Ingenuity in Mechanical Engineering. First prize in the MIT-sponsored contest is \$600; honorable mention is \$200.

Rear Admiral Luis de Florez '11 became a distinguished engineer

and prolific inventor. He set aside funds to establish the annual awards, and since his death in 1962 a trust has provided for the continuation of the de Florez Awards in his memory.

Any substantial work in which there is "evidence of ingenuity and creative skill" in the field of mechanical engineering is acceptable entry material. Original projects as well as class projects and assignments in various course II subjects are eligible. Senior thesis are also acceptable.

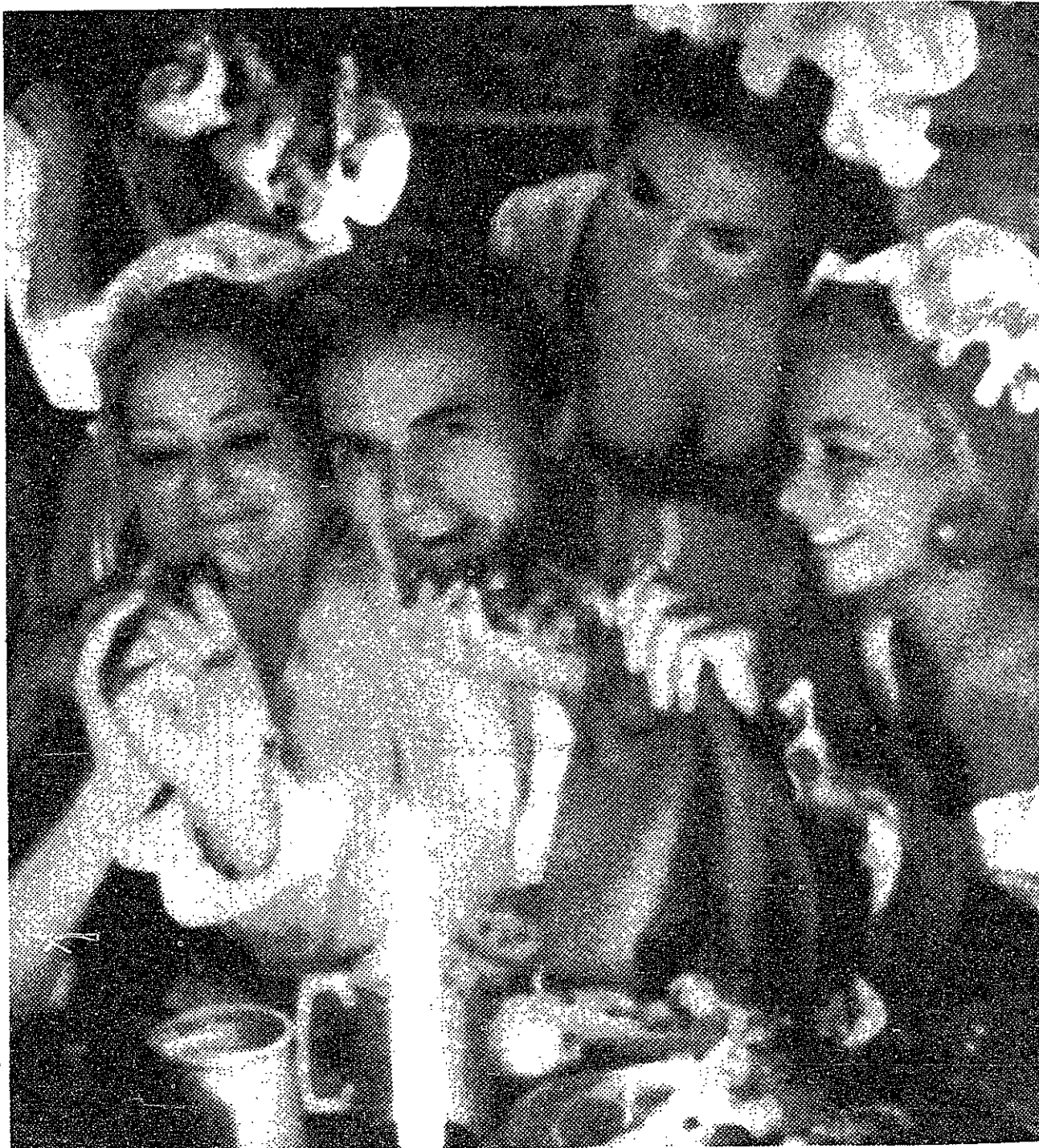
The contest rules require that entrants obtain a sponsor familiar with the project. A resume not to exceed two typewritten pages must be submitted.

## Prof. Zeldin dies, taught at MIT for over 40 years

Dr. Samuel Demitry Zeldin, Associate Professor of Mathematics, Emeritus, died Tuesday, November 2, at the Mount Auburn Hospital in Cambridge.

Professor Zeldin retired from fulltime teaching in June, 1960, but continued as a lecturer in the Math Department until failing health caused his complete retirement in March, 1964. During his long career of teaching at MIT, begun in 1919, he always had a deep interest in students and was friend and advisor to many. In research he was especially involved in the theory of continuous groups and contributed several papers on the subject.

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## 'Andorra,' a drama by Max Frisch, staged at Harvard's Adams House



Julie Goldsmith as Barblin and Karl Nagin as Andri in a tense scene from Max Frisch's 'Andorra,' a compelling parable for the modern theatre currently being produced by Harvard's Adams House Drama Society. Tickets for the November 12, 13, and 14 performances can be obtained at the door or by calling 864-6493.

## Cinerama . . .

### Cinerama refines its technique

By Mona Dickson

Every new picture done in Cinerama proves the old adage that practice makes perfect, or at least better. 'Hallelujah Trail' is no exception. Not only has the instability at the juncture of the side screens been eliminated (it never was very noticeable from the orchestra), but the directors are learning to take advantage of the medium.

Gone are the scenes designed solely to justify filming in Cinerama; the effects are more subtly used. Instead of a few "roller coaster" scenes the Cinerama effect is spread with less intensity over the entire film. It is not until your stomach slowly starts to turn over during the wagon stampede or a touch of hangover appears as you see the world through a drunken Indian's eyes that you are reminded that this is Cinerama.

Also gone is the tendency to keep the action on the central screen. In a conversation between two people or a large group, the center screen stays in the center of the group. Actually sitting in on a round-table discussion is an interesting feeling:

**'THE HALLELUJAH TRAIL'**; produced and directed by John Sturges; written by John Gray; music by Elmer Bernstein; starring Burt Lancaster as Col. Thaddeus Gearhart, Lee Remick as Cora Templeton Massengale, Jim Hutton as Cap. Slatter, Pamela Tiffin as Louise Gearhart, Brian Keith as Frank Wellingham; now playing at the Boston Cinerama.

'Hallelujah' is also distinguished by a tighter plot than that of any previous Cinerama picture: the events leading up to that infamous western Battle of Whiskey Hills and the subsequent rout, dubbed the Battle of Quicksand Bottoms. Four separate, though related, chains of events converge at these battles.

Horrified at the thought that Denver might be cut off from the world without liquid solace, the Denver Miners Union orders forty wagon-loads of whiskey to be delivered in a wagon train by Frank Wellingham, a stubborn Dutchman with Irish teamster labor problems. Somehow the peaceful Indian tribes learn of the train and set out to get some for themselves. The third chain comes in two parts from Fort Russell; a cavalry unit sent out to protect the train and, hard on its heels, a train of women temperance workers led by that foe of demon rum Cora Templeton Massengale and guarded by that guzzling he-man Col. Gearhart with another column of soldiers. Having heard no word of the wagon train for weeks, the miners form the Denver Citizens Militia and set out to intercept the whiskey.

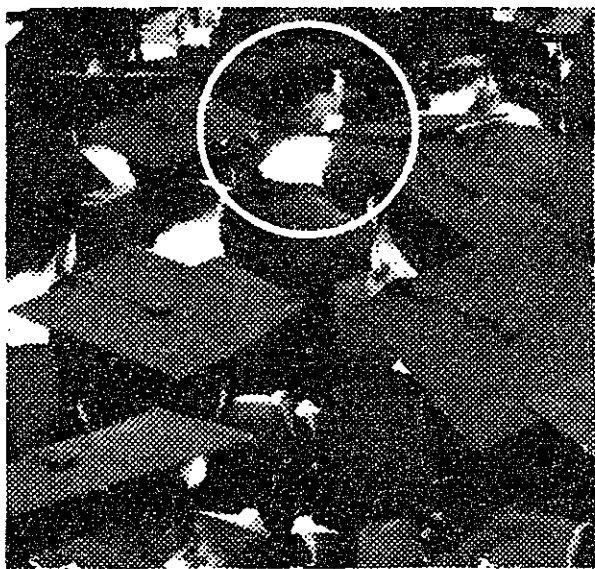
Imagine a valley bounded by a large mesa to the north and two lesser mesas to the south.

From the east the wagon train is moving in with its cavalry guard riding parallel to it. From the west the ladies are arriving in wagons and surreys followed closely by the colonel's column, which is keeping 'detached contact' because moving with the ladies has proved too much for the colonel. Up from the south, between the two mesas, come the Denver Militia on foot. Lined up in three columns on north mesa are the Indian tribe that won the bid to get the wagon train. At this point a sand storm hits. As Col. Gearhart says later, never have so many shots been fired in so many directions at such a concentration of people in so short a time without any casualties.

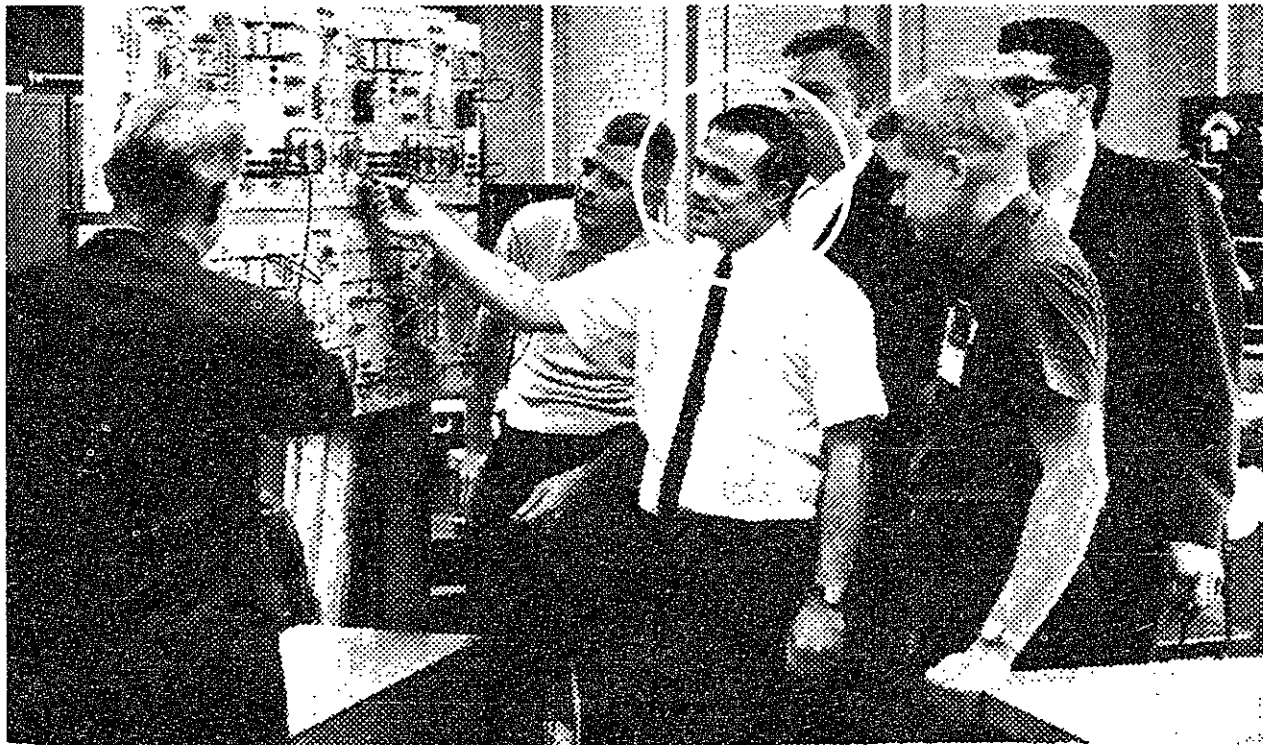
The cast is excellent, all the way down to the sub-chief Walks-Stooped-Over, sometimes called Sky-Eyes because a slight discrepancy in his ancestry gave him blue eyes. It is occasionally obvious that the stars are having a hard time taking their parts seriously, but then only a Sphinx could.

Fortunately, characterizations are far from deep. On the other hand, the comedy is not slapstick. The plot is one complex joke aided by a terrifically funny script and a narrator who "documents" with practiced elegance.

The music is well-integrated, thoroughly appropriate, and of a calibre unusual in movies. The setting allows the magnificent shots for which Cinerama is famous. Whole or dissected, 'Hallelujah Trail' makes one hope Cinerama will turn out more than the present one or two movies a year.



### Graduation was only the beginning of Jim Brown's education



### Because he joined Western Electric

Jim Brown, Northwestern University, '62, came with Western Electric because he had heard about the Company's concern for the continued development of its engineers after college graduation.

Jim has his degree in industrial engineering and is continuing to learn and grow in professional stature through Western Electric's Graduate Engineering Training Program. The objectives and educational philosophy of this Program are in the best of academic traditions, designed for both experienced and new engineers.

Like other Western Electric engineers, Jim started out in this Program with a six-week course to help in the transition from the classroom to industry. Since then, Jim Brown has continued to take courses that will help him keep up with the newest engineering techniques in communications.

This training, together with formal college engineering studies, has given Jim the ability to develop his talents to the fullest extent. His present responsibilities include the solution of engineering problems in the manufacture of moly-permalloy core rings, a component used to improve the quality of voice transmission.

If you set the highest standards for yourself, enjoy a challenge, and have the qualifications we're looking for — we want to talk to you! Opportunities exist now for electrical, mechanical and industrial engineers, and for physical science, liberal arts and business majors. For more information, get your copy of the Western Electric Career Opportunities booklet from your Placement Officer. And be sure to arrange for an interview when the Bell System recruiting team visits your campus.

### Lack of summer employment causes student to found plastics firm

Unable to find a summer job with local businesses, a 19 year old MIT student did the next best thing — he set up his own company.

Tim A. Gill '67, sought employment at local industries, retail stores and construction companies. When these attempts failed, he turned industrialist, regrinding scrap plastic and selling the material to state toy companies.

Before he could even begin production, Gill ran into the usual problems which plague any prospective small businessman. First, he obtained a temporary lease for space in a building. Next he

named the firm T.T. Plastics Co.

Further delay came in preparing the shop for production. Gill said he was forced to wait several days while firemen inspected the electrical wiring — which he also did himself.

It was July 1 by the time Gill could begin production, but then he started on a grand scale, processing from 1,500 to 2,000 lbs. of scrap plastic per week. The materials came from local appliance manufacturers, who sold him defective cabinets at a low cost. To speed up production, Gill developed his own method of removing paint and grinding the plastics.

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## City approves 'beer in the Ear'; Norm & Judy coming this weekend

Graduate life at MIT received a big boost last week when the Board of the License Commission of the City of Cambridge voted to approve MIT's request to have entertainment along with beer at the Thirsty Ear, the graduate student pub at 305 Memorial Drive. Formerly MIT's license did not permit entertainment where beer was sold.

The ruling means that, as the phrase goes, 'There's beer in the Ear' again. During the last several weeks, the Ear has been in operation, but without beer. Now that the License Commission has approved entertainment under the license already owned by MIT, all will be back to normal.

Last week's news comes just a little less than a year after the Thirsty Ear featured Oscar Brand in its opening show, in late November, 1964. During the first three months of 1965 the Ear

became firmly established on the MIT campus as a friendly place to down a few while listening to folk music, Dixieland, or an occasional rock and roll group.

Then, in the middle of the spring semester, the roof fell in when authorities discovered that operation under the existing MIT malt license was illegal. With that, everything ground to a sudden halt.

However, Al Hollander and Pete Benjamin, managers of the Ear, began to explore every possible means of reopening for the 1965 fall semester. Hollander was graduated in June of 1965, but Benjamin continued to push during the summer and early fall, and finally, with the aid of Dean Kenneth Wadleigh, convinced the Cambridge authorities to grant permission for regular operation with beer.

Norm and Judy, a folk-singing duo, will appear this Friday and Saturday. Plans are also being considered for a graduate student beer blast later in the semester.

### Theatre Company offers discounts

The Theatre Company of Boston recently announced that it will offer discounts to theatre parties of sixteen or more. Discounts range from \$.20 on the \$2.25 seats to \$.25 on the 2.75 seats and \$.30 on the \$3.25 seats, with higher discounts for larger groups. Information concerning discount rates and theatre party dates can be obtained by contacting Charles Cohen at the Theatre Company of Boston, 200 Tremont Street, Boston, MA 6-6609.

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## music at mit...

# Bavicchi, Copeland at band concert

By Allen Wiegner

John A. Bavicchi's 'Festival Symphony' highlighted the MIT Concert Band's first concert last Saturday in Kresge Auditorium.

The premier performance of the Symphony written especially for the MIT group was warmly received by an audience of about 500.

Also featured was Alan Copeland, cello soloist, in the 'Concerto Pour Cello et Orchestra D'Instrument A Vent' (Concerto for Cello and Wind Instruments), by Jacques Ibert.

The concert opened with Gianini's 'Praeludium and Allegro,' which set the pace for an evening of relaxation. A background of mellow horns and a throbbing bass yielded to an exchange between clarinets and bassoon, before the rest of the band joined in as the piece came to a climax.

The most intriguing selection was 'Meditation,' by Gunther Schuller. It had the eerie yet unobtrusive sound of the background of a science fiction or mystery thriller. The contrast between flutes and contrabassoon created a kind of hypnosis which made the piece end all too soon.

Schubert was featured next in his 'Theme and Variations Op. 43A,' one of the most difficult pieces of the concert. The variations enabled the Concert Band to show its versatility.

A ten-instrument ensemble replaced the band on stage for the cello-woodwind concerto. The three movements were quite different, the third being by far the most pleasing. Mr. Copeland, though an accomplished cellist, seemed limited in the first movement, and somewhat so in the second. However, the third movement gave greatly expanded opportunity for expression, and he took advantage of it as he demonstrated many of a cellist's tricks, including pizzicato, glissando, and 'avec les bois'. The wind instruments were



Photo by Art Kalotkin

John Corley directs the MIT Concert Band in its first concert of the season in Kresge Auditorium. As well as the feature work, John Bavicchi's 'Festival Symphony,' the program included works by Ibert, Giannini, Schuller, and Schonberg.

also at their best here. A muted trumpet and French horn added variety to the second and third movements.

The long-awaited Festival Symphony was appropriately the program finale. It started with a bang, as it were, the percussion section setting a fast, strong pace. Antiphonal trumpets and trombones in the back corners of the auditorium added a brilliant loud discordant effect during the first and third movements. Their placement a distance away from the rest of the band made them effective, but also tended to cause somewhat of a sound lag during staccato parts.

The first movement maintained an excited, rhythmic pattern throughout. A moody French horn introduced the second movement, more sustained than the first. Lonely sounding trumpet solos created the image of a deserted

big-town street corner during the early morning hours.

The antiphonal brass returned for the third movement, as did the original rhythm. This section was marked by a number of long runs through the horns and woodwinds. The climax itself was excellent and well played. It was not inherently humdrum, as many climaxes are, but was fresh and exciting.

Mr. Bavicchi himself appeared on stage after the concert.

The band's attack were generally excellent, as were releases. Occasionally a lack of solid bass support was evident, but this detracted very little from the music itself.

Mr. Corley commented afterward that he knew the Festival Symphony would 'stretch the technique of the Techmen,' and that they would need great effort to perform it well. And this they did.

## music . . .

# New York Camerata at MIT

By Jeff Stokes

The New York Camerata, in a concert sponsored by the Humanities Department Monday, November 1, demonstrated to an audience of 150 or more how well the new Student Center's Mezzanine Lounge is suited to chamber music. The Lounge, situated just across from the Grill Room on the third floor, has for a ceiling the same pattern of recessed concrete cubicles seen elsewhere in the building. Whatever weird acoustical properties this ceiling may have, apparently cooperate quite well with the softening effects of a wall-to-wall carpet and lots of people in cushioned chairs, with the result that the sounds reaching the audience are honest: no ringing echoes, and almost no muffling of overtones. Very likely the Mezzanine Lounge will see the success of many more such small concerts.

But enough praise of our precious Student Center. The New York Camerata, a trio dedicated to chamber music, consists of cel-

The New York Camerata		
JAYN ROSENFIELD, Flute		
GLENN JACOBSON, Piano		
CHARLES FORBES, Cello		
Program		
Trio in G Major	Haydn	
Allegro		
Andante		
Allegro moderato		
Trio, Opus 63	von Weber	
Allegro moderato		
Scherzo		
Schubert Klage		
Finale		
Trio	Tucker	
Fantasy		
Interlude		
Rondo		
Trio	Martini	
Poco Allegretto		
Adagio		
Allegretto Scherzando		
Monday, November 1, 1965		
5:00 p.m.		
Mezzanine Lounge, Student Center		
Next concert: The Department of Humanities presents Soni Ventorum, Wind Quintet from Puerto Rico; Sala de Puerto Rico, Monday, November 22, 1965, at 8:00 p.m.; Admission free.		

list Charles Forbes, pianist Glenn Jacobson, and flutist Jayn Rosenfeld, as well as a lowly page-turner. Beginning in the classical era with Haydn's 'Trio in G major' and von Weber's 'Trio, Opus 63,' the Camerata advanced toward the present with a trio by Tucker and another by Martinu.

I am qualified to speak only of the last piece, since I arrived in

the middle of the poco allegretto; but if what I heard in those sublime last few minutes is representative of what went before, it was a superior concert. Tone was never sacrificed to technique, and flute, cello, and piano kept perfectly in tune. The surprising thing is that they are all quite young, probably still in their twenties; certainly it can be said that Mlle. Rosenfeld and Messrs. Jacobson and Forbes have long and brilliant careers ahead of them.

They meant what they played. So totally absorbed were they in their art that they could not keep from swaying to the motions of the music. It was a gratifying sight to see such sincerity, such apparent depth of feeling, especially since it was borne out by the quality of their playing. A rare thing in this suave, urban world to see such unbridled enthusiasm for art.

As soon as I came in, the beauty of the music began to reach out to me, too, in my state of mental inertia, and to entangle me with the musicians. For a moment I realized genuine escape from the grayness of a university education: as if by magic the stubborn, angular shapes of our proud concrete buildings melted into a world of soft and colorful fire.

The Department of Humanities plans another chamber concert this month. Soni Ventorum and his Puerto Rican Wind Quintet will appear Monday, November 22, at 8:00 p.m. in the Sala de Puerto Rico. As with the November first concert, there will be no charge for admission.

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Thurs., Kurosawa's version of "The Lower Depths," 5:15-7:30-9:45.  
Week of Nov. 14-20, "Variety Lights," 5:30-7:30-9:30.

### RATTLE SQ. TEL 6-4253

Today, "Sabrina" at 3:30 & 7:40; "Stalag 17" at 1:20-5:30-9:35.  
Thurs.-Fri.-Sat., "Rotten to the Core," at 3:30-5:30-9:35; "Nobody Waved Goodbye" at 2:00-5:05-8:10.  
Mon.-Tues.-Wed., "Becket" at 2:20-5:30-8:30.

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# Drama at mit... Feydeau and Stein at Dramashop

By Lee Linthicum

Last Friday and Saturday nights the MIT Dramashop presented its second program of one-act plays for the fall term. The two plays presented were "Brewsie and Willie," by Gertrude Stein, and "Please Don't Walk Around in the Nude!" by Georges Feydeau.

The series of one-act plays presented by Dramashop each year has become very popular at MIT. In response to the success of its first program this fall, the Dramashop presented two performances of this second program. Yet the Kresge Little Theater was filled to capacity on both nights, and many people had to be turned away at the door. Those who arrived early enough to find seats were certainly not disappointed by the performances.

"Brewsie and Willie" is based on a series of conversations Gertrude Stein had with some G.I.'s in Paris at the end of World War II. Set in a small Paris bistro, the play reflects the problems that both civilians and soldiers face at the end of a war. Miss Stein especially emphasizes the lack of individual thought and expression in the world. She particularly objects to the mold into which everyone's opinions seem to be impressed.

She expresses these problems through Brewsie, a natural philosopher and a gadfly among his friends. The primary target of Brewsie's questions is Willie, a bitter pragmatist at the outset of the play. Willie's primary concern at first is to find a job when he returns to the States, and he resents Brewsie's disconcerting questions.

June Paradise '67, the director, emphasized the ideas Miss Stein expresses in "Brewsie and Willie."



Photo by Saul Moollem

Hochepaix, played by Norman Hawkins '68, looks on with great interest as the daylight shines through Clarisse Ventroux's negligee. Pat Saunders '68 plays Mrs. Ventroux, and Bob Moore '68 plays her husband Julian, shown here rushing to save face. The play is Georges Feydeau's "Please Don't Walk Around in the Nude."

Jim Woods '69 did an excellent job as Brewsie, the natural philosopher who is asking people to think about what is happening around them. Larry King '67 played a convincing Willie, the hardened realist who finally realizes the value of Brewsie's query. However, the play is really too short to develop a transformation of his character. Moreover, Miss Paradise's emphasis on the ideas presented in the play relegated the minor roles to a mere background for the main message of the play. The audience didn't have a chance to examine them, and Miss Paradise used their dialogue primarily as a connection between the parts of the play's message.

John Sowle's set design, combined with Guy Frindell's light-

ing, provided the realistic atmosphere necessary to hold the audience's attention to the abstract thought of the play. In addition, Paula Willmore's blues version of "When Johnny Comes Marching Home" greatly complemented the mood.

In contrast to "Brewsie and Willie," Georges Feydeau's "Please Don't Walk Around in the Nude!" is a delightfully entertaining farce. The play, set in pre-World War I Paris, shows how the caprice of an aspiring French Deputy's wife leads to his political ruin. Clarisse Ventroux's habit of going about the house wearing only a transparent nightgown places her husband in a most embarrassing position while he is entertaining a political rival at home. David Liroff's direction, accompanied by Pat Saunders' and Robert Moore's skillful acting, presented what easily could have been no more than a bawdy satire as an hilarious comedy. The entire cast of "Please Don't Walk Around in the Nude!" performed well in their difficult comic roles.

## G&S Society to start 1965-1966 season with the tragicomedy 'Yeomen of the Guard'

"The Yeoman of the Guard," Gilbert and Sullivan's only tragicomedy, will be presented November 19 and 20 at 8:30 p.m. in Kresge Auditorium.

The production is being staged by the Gilbert and Sullivan Society, whose rendition of "Patience" last spring won an Institute award for outstanding activities development.

Steven N. Gilborn, an instructor in the Department of Humanities, is directing the production, with the assistance of Nancy Fitch and John Rainier. The cast includes students from M.I.T., Boston University, Simmons and Emmanuel, as well as members of the M.I.T. Community.

Lead roles are being played by M.I.T. students Norman Rubin, Henry Goldberg and Richard Rudy; June Cooperstein of B.U.; Ellen Stevens, Herbert Meily, Matt Lind, Martha Reardon,



Claire Thomson and Ron Mallis, members of the M.I.T. Community and staff.

Reserved seat tickets are \$1.75 and may be obtained by calling X2910. They may also be obtained in the lobby of building 10. Curtain time is 8:30.

## Movies and theatres

- Astor—"Ship of Fools", 10:30, 1:05, 3:45, 6:20, 9:00. West End Cinema—"Crazy Paradise", 11:45, 1:40, 3:35, 5:30, 7:25, 9:20.
- Beacon Hill—"Situation Hopeless, but Not Serious", 10:00, 12:00, 2:00, 4:00, 6:00, 8:00, 10:00.
- Boston Cinema—"The Hallelujah Trail" Wed. at 2:00 pm; Sat. Sun. and hol. at 1:30 and 5:00 pm; eve. at 8:30.
- Brattle—Renoir's "The Lower Depths", Wed. and Fri., 5:30, 7:30, 9:30; Kurosawa's "The Lower Depths", Thurs. 5:15, 7:30, 9:45.
- Capri—"Bamboli", 10:00, 12:00, 2:00, 4:00, 6:00, 8:00, 10:00.
- Center—"Karamoja" and "Why Bother to Knock", 9:30, 11:15, 3:00, 5:45, 8:30.
- Cinema Kenmore Square—"Repulsion", 1:35, 3:35, 5:35, 7:35, 9:35.
- Exeter—"The Eleanor Roosevelt Story", 4:05, 5:55, 7:45, 9:35.
- Esquire—"Repulsion", 7:30, 9:35.
- Fine Arts—"Divorce, Italian Style" 5:00, 8:45, "Yesterday, Today, and Tomorrow", 7:00, 10:00.
- Gary—"Sound of Music", eve. at 8:30; Sun. at 7:30; daily matinee at 2:00.
- Loew's Orpheum—"The Icepress File", 6:00, 8:00, 10:00.
- Mayflower—"Mozambique" and "Fu Manchu", 6:00, 7:30.
- Music Hall—"The Nanny", 10:00, 12:00, 2:00, 4:00, 6:00, 8:00, 10:00.
- Paramount—"King Rat".
- Paris Cinema—"The Knack and How to Get It", 1:15, 3:00, 4:45, 6:30, 8:15, 10:00.
- Park Square Cinema—"The Married Woman", 1:30, 3:30, 5:30, 7:30, 9:30.
- Savoy—"Return from the Ashes", 6:00, 8:00, 10:00.
- Saxon—"The Agony and the Ecstasy", eve 8:30; Sun. 7:30; mat. 2:00 Wed. Sat. Sun. and holidays.
- Symphony Cinema—"The Cool World", 7:00, 10:00, and "Paris Secrets", 5:30, 8:45.
- Uptown—"Darting" and "Boccaccio '70", 11:00, 12:40, 2:35, 4:20, 6:10, 7:50, 9:50.

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# Music at mit...

## Fine Arts Quartet opens series

By Dan Asimov

The Fine Arts Quartet performed three Beethoven string quartets Sunday, October 31, in Kresge auditorium. This concert was the first in a series entitled "The String Quartets of Beethoven" presented by the MIT Humanities Department.

Sunday's concert was greatly enhanced by the lecture by Professor Klaus Liepmann that preceded it. Last Thursday Professor Liepmann, Director of Music at MIT, spoke on the quartets that were to be played Sunday. He gave the audience some historical background, and managed to be both informative and amusing. He let

the audience know, for instance, that it is no longer acceptable to refer to the quartets by number instead of opus.

The biggest benefit of the lecture was that Professor Liepmann had many of the themes of the quartets on tape, and he played others on the piano. This allowed the listener to become familiar with the themes, and when he heard them again on Sunday these themes were not foreign to him.

A lecture by Professor Liepmann will precede each of the Beethoven String Quartets performances. If you are going to the concert, don't miss the lecture. Sunday's concert itself met all

expectations. It consisted of the quartets in E flat major, Opus 127; F major, Opus 18, No. 1; and C major, Opus 59, No. 3. The performers were Leonard Sorokin, violin; Abraham Loff, violin; Gerald Stanick, viola; and George Sopkin, cello.

The quality of the performance was uniformly good. The E flat major was the subtlest of the three quartets, and it was done first. Its delightful Scherzando vivace was beautifully done, and the piece was well applauded.

The F major was the earliest Beethoven work of the three. It is Haydn-esque in nature, and was played to a T. The pretty Scherzo and the brilliant finale made this piece shine. The playing here was also brilliant, and the timing perfect.

The C major was from Beethoven's middle period, and it was typically between the other two quartets in its intricacy. The first movement began with a very long theme, at times difficult to follow. The second movement relied heavily on pizzicato, the technique of plucking the strings with the fingers. The effect of this was really unusual, and lent the whole piece a mystical aura. The last movement was a vibrant fugue that one could not help enjoying on the first hearing.

It is gratifying to find that Kresge can be nearly filled by a classical music performance.

There are still seats available for the coming concerts, so by all means rush out and get tickets. The next Beethoven Quartet program will be on Sunday, November 14, and its corresponding lecture will be on Wednesday, November 10.

## Russkij Dom plays host at dinner for Russian scientists, engineers

Visiting Russian scientists, engineers, and teachers were entertained Sunday, November 7, at a dinner in the Student Center. The twenty-six representatives of the Soviet Union are part of a Soviet cultural group currently on a United States tour sponsored by the State Department.

Hosts for the foreign visitors were Mr. Laurence Scott of the modern language department and members of the Russkij Dom. Mr. Scott is the faculty member in charge of the Russkij Dom, MIT's Russian speaking dormitory (The Tech, October 27, 1965). Also present for the dinner were some guests from the Wellesley College Slavic Society.

The meal was served in the Games Room of the Student Center, which was bedecked for the occasion with the red flag of the Russkij Dom.

The Russian national anthem played softly in the background. After dinner the delegates retired to the Russkij Dom at 486 Beacon St. for informal discussion in the Russian atmosphere of the dorm.

According to Dave Niccoli '66 of the Russkij Dom, this particular event was not originally part of the delegates' general itinerary, but Mr. Scott saw it as a good opportunity for MIT and the Russ-

kij Dom. The Soviets arrived at MIT from a luncheon engagement at Wellesley earlier in the day.

Among the influential people in the group were Mr. Saktagen Baishev, Vice-President of the Academy of Science, Kazakstan; Mr. Rafael Dwaly, Vice-President of the Academy of Science, Georgia; Mrs. Rita Koukain, Director of the Institute of Microbiology; and Vladimir Maslin, Department Chairman of Znanie.

"Znanie," Mr. Scott said, "is Russian for knowledge. In the Soviet Union it represents an organization devoted to the advancement of science. It is something like our popular science," he explained.

Also present were Mr. Kerim Mashrykov, Vice-President of the Academy of Science, Turkman; Mr. Ionas Grigonis, Prorector, State University, Vilna; Mr. Boris Bortsov, Head of the Art Institute, Kiev.

There were lecturers and scientists representing all parts of Russia and fields of interest ranging from microbiology to theatrics and aviation. Mrs. Marina Pouchkova acted as Tour Conductor and Interpreter.

## SDS to discuss MIT conference

The MIT chapter of Students for a Democratic Society (SDS) will hold an open meeting tomorrow, at 4:00 p.m. in Room 2-147.

Primary topics of discussion at the meeting will be a civil liberties conference at MIT and the Thanksgiving march in Washington, D.C.

## 500 attend SAElor party



Photo by Jeff Reynolds

A couple of grotesque Indians paddle the 'Ikanduit Canoe' across the back wall while members of the Technology tribe and their squaws whoop it up in the foreground at the annual SAElor Dance open bid party.

## Making the Scene

S	M	T	W	T	F	S
			10	11	12	13
14	15	16	17	18	19	20
21	22	23	24			

### THIS WEEK MUSIC

New England Conservatory—Concert of vocal and instrumental music; directed by Helen Keaney and Daniel Pinkham; Nov. 10, 8:30 p.m.; Jordan Hall; admission free. Works by Pinkham, Bach, and Antonio Soler.

New England Conservatory—Boston Symphony String Quartet; Nov. 12, 8:30 p.m.; Jordan Hall; call WE 6-2412 for tickets. Program: Mozart's 'String Quartet in G major,' K. 387, Anton Webern's 'Five Pieces for String Quartet,' and Brahms' 'String Quartet in A minor,' op. 61, no. 2.

Boston Symphony Orchestra—Richard Burgin, conducting; Nov. 14, 8:30; Symphony Hall; program: Schoenberg, 'Chamber Symphony,' op. 9B; Debussy, 'La Mer'; Scribin, 'Le Divin Poeme,' Symphony No. 3. In C minor, op. 43.

Boston Symphony Orchestra—Werner Torkanowsky, guest conductor; Nov. 12, 2:00, and Nov. 13, 8:30; Symphony Hall; program: Beethoven, 'The Consecration of the House'; Honneger, 'Symphony No. 3'; Barber, 'Music for a scene from Shelley,' op. 7, and 'Medea's Meditation and Dance of Vengeance,' op. 23-A; Strauss, 'The Eulenspiegel's Merry Pranks.'

The Thirsty Ear—Norm and Judy, folk-singing duo; Nov. 12 and 13; MIT Ashdown House Pub; 305 Memorial Drive, Cambridge, Mass.

Gardner Museum—Piano, Phyllis Carlton; Nov. 13, 3:00 p.m.; admission free. Brahms' 'Fantasies,' op. 16; Hindemith, 'Sonata No. 3.'

Folklore Concert Series—Jackie Washington; Nov. 13, 8:30 pm; Jordan Hall; tickets: \$3.50, 3.00, 2.50, and 2.00.

Humanities Series—Fine Arts Quartet; Nov. 14, 3:00 pm; Kresge Auditorium; Beethoven, Quartets in E flat major, Op. 74, B flat minor, Op. 18, and C sharp minor, Op. 131; tickets 3.00.

International Student Association—Jazz Concert, with students from the New England Conservatory; Nov. 14, 8:00 p.m.; 33 Garden St., Cambridge.

Wellesley—Chamber Music Society of Wellesley College; Nov. 14, 8:00 p.m.; Jewett Hall; music by Purcell, Brahms, and Schubert.

### LECTURES

Humanities Series—Klaus Liepmann: 'An Introduction to the Beethoven String Quartets'; Nov. 10, 5:00 p.m.; Music Library; admission free.

Ford Hall Forum—Adnan M. Pachachi, 'Is War Inevitable in the Far East,' Nov. 14, 8:00 pm; Jordan Hall; admission free.

Wellesley—R.B.Y. Scott, Chairman of the Dept. of Religion, Princeton University; 'The Word and the Prophet,' Nov. 16, 7:45 p.m.; Pendleton Hall.

Cambridge Center for Adult Education—Slide talk by Rick Anderson, 'The Visual Experience'; Nov. 16; 8:15; admission \$.50.

### MISCELLANEOUS

Film Series—Carl Siembab, Wednesday, November 10, 7:30 pm; New England Life Hall, admission by Institute Membership Card.

Harvard Adams House Drama Society—'Andorra,' by Max Frisch; Nov. 12, 13 and 14, 8:30; Adams House, Plympton Street, Cambridge; 864-8493.

LSC—'Cartouche,' Nov. 12, 7:00 and 9:30 pm; Room 26-100; admission \$.50.

LSC—'What a Way to Go,' Nov. 13, 5:15, 7:30, 9:45; Room 26-100; admission \$.50.

Junior Prom—Nov. 12 and 13.

### NEXT WEEK MUSIC

New England Conservatory—Symphony Orchestra—Frederik Prausnitz conductor; Nov. 17, 8:30 p.m.; Jordan Hall; admission free. Program: Schubert's Symphony No. 3 in D, Elliot Carter's 'Double Concerto,' Stravinsky's 'Concerto in D for Strings,' and Mozart's 'Piano Concerto in D,' K 453.

Boston Symphony Orchestra Open Rehearsal—Nov. 18, 7:30 p.m.; Symphony Hall. Season subscription, \$17.50.

Gilbert and Sullivan Society—'The Yeoman of the Guard,' Nov. 19 and 20, 8:30 p.m.; Kresge Auditorium, reserved seats, \$1.75.

Folklore Series—Sonny Terry and Brownie McGhee, Rev. Gary Davis, and others; Nov. 20; Jordan Hall; for tickets call HU 2-1827.

The Cantata Singers—A program of Bach; Cambridge Sanders Theatre; Nov. 20, 8:30 p.m.; admission \$1.25; tickets at 1270 Mass. Ave., Cambridge.

Chapel Organ Series—Jack Fischer, Emmanuel Church; Nov. 21, 3:00 p.m.; MIT Chapel; admission free.

Student Center—Soni Ventorum, Wind Quintet of Puerto Rico; Nov. 22, 8:00 p.m.; mezzanine lounge; admission free.

New England Conservatory—Piano concert; Nov. 24, 8:30 p.m.; Jordan Hall; admission free; music by Brahms, Chopin, Ravel, Liszt, Bartok, Henry Modiccone.

### MISCELLANEOUS

LSC Movie—'Banana Peel,' Nov. 19, 7:00 p.m. and 9:00 p.m.; Room 26-100; admission \$.50.

LSC Movie—'Night of the Iguana,' Nov. 20, 5:15, 7:30, and 9:30; 26-100; admission \$.50.

Ford Hall Forum—David K. Niles Memorial Lecture: Max Lerner, 'Can We Win the Future?' Nov. 21, 8:30 p.m.; Jordan Hall; admission free.

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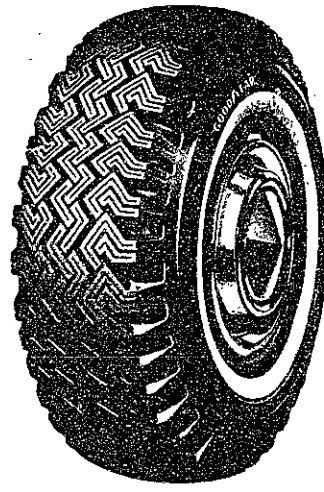
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# The Bulletin Board . . .

(Continued from Page 8)

- 1:00 pm—Y.A.F. Symposium on Viet Nam. Room 26-100.
- 1:30 pm—MIT Bridge Club. Walker Memorial, the Blue Room.
- 1:30 pm—MIT Bridge Club meeting. The Blue Room, Walker Memorial.
- 1:30 pm—MIT Chess Club meeting. Student Center, Room 473.
- 2:30 pm—J.P. Ian and Sylvia Concert. Symphony Hall.
- 5:15 pm—L.S.C. Movie: What A Way To Go. Admission: 50c. Room 26-100.
- 7:30 pm—L.S.C. Movie.
- 8:00 pm—J.P. Rock and Roll Blast. Armory.
- 9:45 pm—L.S.C. Movie.
- Sunday, November 14**
- 9:15 pm—Roman Catholic Mass. MIT Chapel.
- 11:00 pm—Protestant Worship Service. MIT Chapel.
- 12:15 pm—Roman Catholic Mass. Roman.
- 1:00 pm—Gilbert & Sullivan Society rehearsal. Kresge Rehearsal Room A.
- 1:30 pm—MIT Chess Club Meeting. Student Center, Mezzanine Game Room.
- 3:00 pm—Humanities Series: The Fine Arts Quartet. Admission: \$3.00. Program: Beethoven's E Flat Major, Opus 74; B Flat Major, Opus 18; C Sharp Minor, Opus 131. Kresge Auditorium.
- 4:15 pm—Roman Catholic Mass. MIT Chapel.
- 6:30 pm—MIT Concert Jazz Band rehearsal. Kresge Auditorium.
- Monday, November 15**
- 5:00 pm—MIT Concert Band rehearsal. Kresge Auditorium.
- 5:00 pm—MIT Outing Club meeting. Student Center, Room 491.
- 7:00 pm—Gilbert & Sullivan Society rehearsal. Kresge, Rehearsal Room B.

- 7:00 pm—United Christian Fellowship: Area-wide meeting. Coffee and dessert. Student Center, Sala de Puerto Rico.
- 7:30 pm—MIT Choral Society rehearsal. Kresge Auditorium.
- 8:00 pm—Parapsychological Research Group meeting. The Jackson Room, 10-280.
- Tuesday, November 16**
- 5:00 pm—MIT Glee Club rehearsal. Kresge Auditorium.
- 7:00 pm—Gilbert & Sullivan Society rehearsal. Kresge, Rehearsal Room A.
- 7:15 pm—Christian Science service. MIT Chapel.
- 7:30 pm—Arnold Air Society meeting. Student Center, West Lounge (Level 3).
- 7:30 pm—MIT Symphony Orchestra rehearsal. Kresge Auditorium.
- 7:30 pm—MIT Sports Car Club. Student Center, Room 467.
- Wednesday, November 17**
- 12:00 noon—Episcopal Communion Service. MIT Chapel. Followed by lunch at 317 Memorial Drive.
- 5:00 pm—MIT Concert Band rehearsal. Kresge Auditorium.
- 5:00 pm—MIT Glee Club rehearsal. Kresge Auditorium.
- 7:00 pm—Gilbert & Sullivan Society rehearsal. Kresge Auditorium, Rehearsal Room B.
- 7:30 pm—APO meeting. Student Center, Room 491.
- 10:00 pm—Lutheran Vesper Service. MIT Chapel.
- Thursday, November 18**
- 9:00 am-5:00 pm—IFC Hemophilia Blood Drive. Student Center.
- 5:00 pm—Tangent meeting. Student Center, Room 485.
- 5:00 pm—MIT Glee Club rehearsal. Kresge Auditorium.
- 7:00 pm—Gilbert & Sullivan Society dress rehearsal. Kresge Auditorium.
- 7:00 pm TCA Mental Hospital Project. Meet in Student Center, Room 450.
- 7:15 pm—Tech Catholic Club meeting. Cider & donuts. Student Center, Room 400.
- Friday, November 19**
- 12:00 noon—Voo Doo: Stunt, Lobby Building 10. Sales in Buildings 10 and 2.
- 1:00 pm—MIT Islamic Society: Juma Prayers. Kresge, Rehearsal Room A.
- 5:00 pm—Tech Catholic Club: Philosophy Lecture Series. Room 3-133.
- 5:00 pm—Science Fiction Society. Spofford Room, 1-236.

(Please turn to Page 15)

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## movies . . .

### 'The Hill' a study in cruelty

By Jack Donohue

'The Hill' is a story set in war, but it is not a war story. It is a drama of man's latent cruelty, brought out in military command. The setting is a British prison camp during the war. The inmates are British soldiers who have committed crimes. The most prominent sight in the camp is a huge hill, made of dirt and stone. The opening scene shows prisoners working on this hill, and one passes out of exhaustion. We learn that Major Appleby had this hill built by the prisoners and uses it as a means of discipline. Major Appleby's philosophy is that men can only be made into good soldiers by means of strict discipline. On the other hand, Sergeant Williams, his assistant, punishes the prisoners for pleasure.

**'THE HILL'**; produced by Kenneth Hyman; directed by Sidney Lumet; starring Sean Connery, Harry Andrews, Ian Bannen, and Ian Hendry; playing at the Paramount Theatre.

In one scene, their attitudes are summed up when it is said that Major Appleby enjoys 'making toy soldiers,' and Sergeant Williams enjoys breaking them.

The other main characters are five prisoners: Roberts, played by Sean Connery, of James Bond fame, who is in for striking an officer who ordered him to lead his men into battle; King, a negro, charged with stealing whiskey; Montey, a fat, servile character, who is imprisoned for the ninth time for selling contraband

goods; McGrath, a bellicose Scotsman, caught drunk; and Stevens, a timid deserter. Williams proceeds to harass the prisoners, especially Roberts, who does not hide his contempt for him, and who makes him feel inferior because of his inexperience in combat. Williams attacks him for cowardice, though he himself has never been in battle and is content to stay behind the lines and expend his energies devising hardships for the prisoners. His pettiness is clearly seen when he enters their cell (the five are all housed in one cell, as part of the 'discipline') and overturns their beds and belongings, out of sheer malice, Appleby does not check him, and the commandant, though nominally in charge, is rarely seen, except in a prostitute's bedroom. The climax of William's persecutions comes with the death of Stevens, who is the weakest and consequently his most likely prey. The rest of the picture is concerned with Roberts' efforts to see Williams punished (aided by King, who emerges as the second hero).

The character portrayal in this movie is excellent. The characters are quite human, and the interactions with each other and their conditions is an interesting study. Roberts' philosophy in particular bears mention. He refused to follow an order which he knew would lead to the death of his men. He is morally justified, but he deplores his action because he realizes that the whole military structure depends on obedience to orders. He knows the rules should be changed, but knows it is impossible. Throughout the movie we see a slavish obedience to the handbook of regulations. The triviality of these sacred military institutions is graphically presented when we see fat Montey doing a ludicrous double-time, with his mess in his hands, spilling it all as he jogs along.

There are some fine photographic effects, as when we see a fly buzzing around the face of a soldier standing stiffly to attention.

The overall mood of the film is one of sustained brutality. At times, the intensity of cruelty overwhelms, and one wants to escape, but this movie is one that should be taken in toto and pondered.

### 'Duel of Angels' at Harvard



Ellery Akers plays Lucille and Peter Weil plays Armand in Jean Giraudoux's 'Duel of Angels,' produced by the Harvard Drama Society at the Loeb Drama Center.

### Organization of 67th Tech Show continues as show managers named

Preparations are now underway for the 67th annual Tech Show as efforts are being extended on all fronts to incorporate the participants into an effective organization. Students from MIT, Emerson, Boston University, and Simmons College, as well as faculty members from MIT, are aiding the various aspects of the production.

Klaus Liepman, Chairman of the MIT Music Department, and other members of the department, are

co-operating on many of the musical aspects of the show. Choral work and orchestration are being handled to a large extent by the Music Department faculty.

Managers and directors for Tech Show have now been selected: John Sowle '66, director; Steve Alter '67, author; Dave Espar '67, Business Manager; Bob Bengen '68, Publicity Manager; Bob Shisko '67, Sales Manager; Scott Mermel '68, Program Manager; and Stu Vidockler '66, General Manager.

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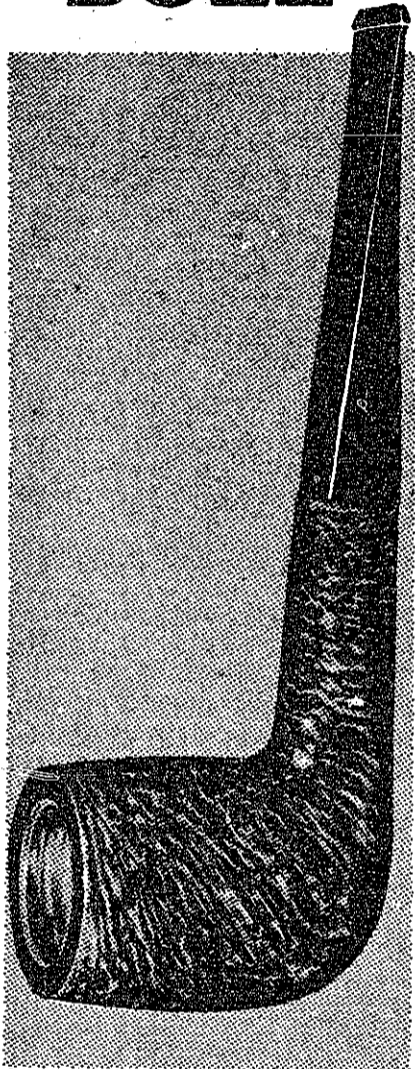
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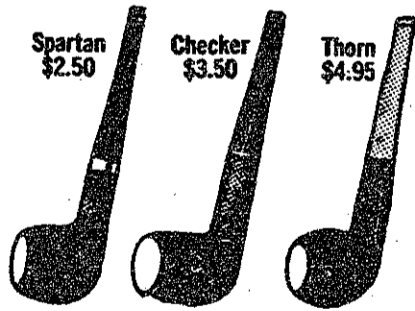
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## MIT on the Ganges

# India school modeled after US type

By Mike Rodburg

India's Institute of Technology at Kanpur is a new kind of school for India, but Techmen might find it vaguely reminiscent of a school near the Charles instead of the Ganges.

Though India has five institutes of technology, Kanpur promises to be far different from the others. Patterned after MIT and other United States technical schools—with science, humanities, and social science course paralleling the engineering courses—it provides the broad base necessary for well-rounded education and research.

Prof. Holt Ashely, MIT Professor of Aeronautics and Astronautics, and a consortium of nine American universities financed by the Agency for International Development helped apply this new concept in foreign aid to advanced education in developing nations.

A study is now progressing to build the institute into the fast growing industrial complex in the Kanpur region by encouraging industry-oriented research and training.

Dr. Ashley and his colleagues introduced many American concepts and techniques to the project. One student was heard to comment, "American professors encourage free thinking. We get interested." Dr. Ashley studied at Cal Tech as an undergraduate. He came to MIT for graduate work after the war.

At Kanpur both Dr. and Mrs. Ashley were active in campus life. Dr. Ashley coached the basketball team, while his wife worked on the student newspaper, Spark, and an embryonic Student Placement Office.

The consortium of colleges involved in the project includes California Institute of Technology,

Carnegie Institute of Technology, Case Institute of Technology, Ohio State University, Princeton University, Purdue University, the University of California, the University of Michigan, and MIT. Educational Services, Inc., of Watertown, Mass., served as the contracting agency for the group.

The group approach was decided upon so that the Kanpur project would not overtax the resources of a single university. The consortium provides a pool of highly-specialized experts to Kanpur, through financing by the U.S. Agency for International Development (AID). The Kanpur Institute is an integral part of the U.S. foreign aid program in India, but President Kennedy called it a birthday gift to Prime Minister Nehru, who happened to be in the U.S. on a state visit on his 73rd birthday in 1962.

(Please turn to page 16)

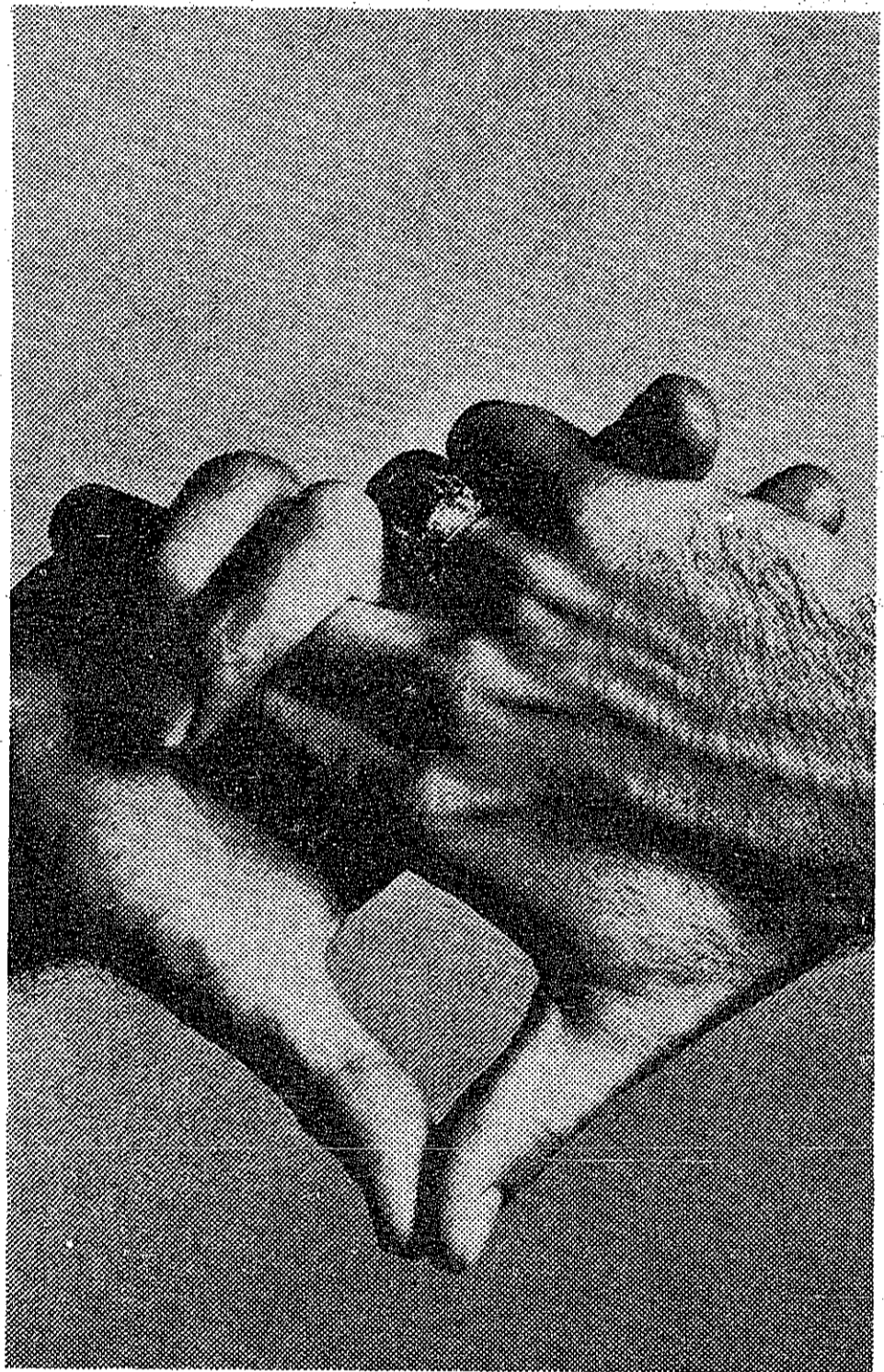
## Inside Inscomm

(Continued from Page 2)

lar background in foreign policy, will represent MIT next month at the West Point conference previously mentioned in this column. To repeat an earlier announcement: Freshman picturebooks for the class of 1969 have gone through a second printing, and are now available in the Inscomm office for \$1.00.

David Mundell, chairman of the Intercollegiate Conference Committee, reported at the meeting on the general progress of the conference, which will be held April 13-16 and is entitled "The Urban Challenge." The total commitment of Undergraduate Association funds for this project is to date \$3,000.

A reminder to recently elected presidents of MIT activities and clubs: you are constitutionally required to check by the Inscomm office with an up-to-date listing of the recently elected officers.



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# The Bulletin Board . . .

(Continued from Page 13)

5:15 pm—Vedanta Worship Service. MIT Chapel.

7:00 pm—L.S.C. Movie: Banana Peel. Admission: 50c. Room 26-100.

7:30 pm—MIT Hillel: Friday Evening Service. MIT Chapel.

8:00 pm—MIT Chess Club: MIT vs. Cambridge YMCA. Mezzanine Game Room.

8:30 pm—The Yeomen of the Guard, presented by the Gilbert & Sullivan Society. Admission: \$1.75 per person. Kresge Auditorium.

9:00 pm—L.S.C. Movie.

**Saturday, November 20**

11:30 pm—Swim Clinic Lecture: Psychological and Mechanical Principles of Swimming. Speaker: Coach Samuelson. The MIT Pool.

Afternoon—Crew: Class Day Races. The Boat House.

1:00 pm—War Games Society meeting. Student Center, Room 473.

1:30 pm—MIT Bridge Club meet-

ing. Walker Memorial, The Blue Room.

1:30 pm—MIT Chess Club meeting. Student Center, Mezzanine Game Room.

1:30 pm—Swim Clinic Lecture: Psychology of Coaching Swimming. Speaker: Coach Brooks of Harvard. MIT Pool.

2:30 pm—Swim Clinic Lecture: Technique of Swimming. MIT Pool.

3:00 pm—MIT Film Society: Open Screening. All films welcome. Admission: 25c per person. Room 54-100.

3:30 pm—Swimming Clinic Workshops and Discussion Groups. The Student Center.

5:15 pm—L.S.C. Movie: Night of the Iguana. Admission: 50c per person. Room 26-100.

6:00 pm—Boat Club Steak Fry. The Boat House.

7:30 pm—L.S.C. Movie.

8:30 pm—The Yeomen of the Guard, presented by the Gilbert & Sullivan Society. Admission: \$1.75 per person. Kresge Auditorium.

# SCEP Forum Honor Society Conference results

By Judy Risinger

This month's Student Committee on Educational Policy meeting will be held tonight at 7:30 in room 400 on the fifth floor of the Student Center. Visitors are welcome.

### Honor Society Conference

Last Saturday SCEP held a conference for the heads of the honorary and professional societies. Represented were the student branches of the American Institute of Chemical Engineers, the American Institute of Physics, and the Institute of Electrical and Electronics Engineers, The Student Metallurgical Society, TB (Engineering honorary), T (course 2), T (course 5), HKN (course 6), T (course 16), Baton Society, Beaver Key, and Course XXI Society. The morning session was a discussion moderated by Terry Vander Werff ('66, TB) on the admis-

sions policies and activities of the professional honoraries. There was a general agreement that admission to an honorary should be more than a rubber stamp of a student's cumulative average. The difficulties of selection on the basis of breadth of interest or other such nebulous criteria were pointed out, and the suggestion was made that one of the functions of an honorary might be to generate broader interests in those students who are recognized for academic excellence.

The afternoon session followed an interesting (the most polite adjective for the Lobdell Room's quality to price ratio) luncheon in the Student Center. The session was devoted to a discussion of the role of the honorary and professional societies in academic affairs. It was led by Mike Telson ('66) SCEP's secretary and chairman of the sub-committee on feedback. The current programs of the groups at the conference were discussed along with the feasibility of improving student-faculty relations with formal programs of course feedback as well as informal and professional gatherings. One suggestion was to establish awards by the students to faculty members in their departments for outstanding teaching. SCEP is currently working with Professor George Valley's office to establish a course evalu-

ation program; an dthe societies attending the conference were invited to participate. The conference revealed that the communications among groups working towards better student-faculty relations in academic affairs are almost non-existent, and SCEP has agreed to serve as a clearing house for reports of projects in course feedback by any interested groups. Summaries of what is being done in all departments will be made available to these groups and other interested individuals.

A final result of the conference was that the societies present agreed to hold one meeting every term for a continuing evaluation of progress in student participation in academic affairs. Minutes of the conference will be sent to participants and the faculty, and will be available in the INSCOMM office in the next few weeks.

### Distinguished guest on MIT Campus

Steve Lipner, president of TBP, proposed at Saturday's conference a program sponsored by the honoraries to invite a distinguished American businessman or statesman to the MIT campus for a few days to participate in a series of lectures, seminars and discus-

(Please turn to Page 16)

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## Singer to speak to Hillel

MIT Hillel will present the 20th semi-annual Morris Burg Memorial Lecture on Sunday, November 21, at 8:00 p.m. in Kresge Auditorium. The noted author, Isaac Bashevis Singer, will speak on the topic, "The Kabbala and Modern Man."

Among Mr. Singer's works are "Satan in Goray", "The Slave", and "The Family Moskat"; the latter won the Louis Lamed Prize for Literature. His short story "Gimpel the Fool", is part of the curriculum for 21.03.

## Honor Society Conference results . . .

(Continued from page 15) This would allow students more time for discussion on a more informal level than the usual visiting lecture situation. TB is now forming a committee to look into this project. If such a program is worked out, it should provide a unique educational experience for MIT students.

### Library Questionnaire

SCEP will be passing out its library questionnaire in the lobby of building 10 next week from Monday through Friday. Students are asked to suggest the type of books (or specific titles) that they would like to see in the Student Center Library leisure reading collection. There will also be questions to determine student opinion of library hours and those fields

in which the students feel there is an inadequate selection of books in the MIT libraries.

### New members for SCEP

Freshmen, sophomores, and juniors interested in joining SCEP may pick up applications in the INSCOMM office on Monday, November 15. They are due back in the INSCOMM office by Fri., Nov. 19, at 5 p.m.

## Compass Seminar

A Compass Seminar has been scheduled for Tuesday, November 16, at 4 pm in Room 54-100. Dr. T. Hagfors of the Lincoln Laboratory will speak on the subject of "Radar Observations of the Moon."

## Professors serve as consultants; Kanpur provides needed engineers

(Continued from Page 14)

By 1970, when the institute will be in full operation, U.S. assistance will have totalled more than \$30 million. In addition, the Government of India has committed rupees equivalent to more than \$18 million to the institute.

Midway through its development program, the institute has already come a long way. It opened in 1960 with a small faculty, 100 undergraduates, and rented quarters in the city of Kanpur. Today construction still continues on the 1,000-acre campus on the south bank of the Ganges River.

Today there are more than 1,000 students (200 in graduate work), and a 121-man faculty that includes some of the nation's top-flight talent. When completed it will accommodate 1,600 undergraduates and 400 post-graduates, besides research scholars and post-doctoral fellows, and a 250-man faculty—all resident on the campus.

The Kanpur Institute has settled down to its long-term task of providing the engineers India needs at every level of its economic development.

The U.S. has dispatched an IBM 1620 for use by the institute and

the Indian industries as well as the American talent there. A second computer (IBM 7044) will arrive by the end of this year.

MIT professors, and others, serve as consultants and professors at Kanpur. Consultants come for one-to-six month assignments, the professors for one to two years. Some become so involved that they agree to extend their tours of duty. Thirty U.S. faculty members have returned after completing their work. Many look forward to returning once again to continue their work in India.

## Open Christmas party set for Student Center

The Student Center Committee will sponsor a Christmas party for all students Friday, December 11. The party will be held in the Sala de Puerto Rico in the Stratton Building from 4 to 6 p.m. Refreshments and entertainment will be provided in order to give the occasion a holiday atmosphere.

The Student Center Committee hopes that all social chairmen include the party in their living group's planned activities for December 11.



Today, U.S. Rubber is involved in many fields including atomic research, oceanography and space research. One of our representatives will be visiting your school soon. Check with your placement office for the exact date and time.



**Harry Yanegi coach**

**Judo club offers instruction**

By Steve Wiener  
Although judo is not an intercollegiate sport at MIT, Harry Yanegi tutors a group of thirty boys who practice Saturday afternoons at the DuPont Athletic Center. Mr. Yanegi, with a fifth degree black belt, is the highest ranking expert in New England. While the club provides the opportunity for experienced boys to participate in tournaments and improve their rank, it also enables beginners to learn the sport.

Returning for action this year will be brown belts Pete James '67, Dennis O'Hara '66, Bob Gilmore '62, and hopefully black belt Don Morrison '66. Don tore a cartilage earlier this year and probably won't be participating until the spring. Heading the freshman

turnout will be Robert Takahashi, a black belt from J-flats, Los Angeles.

**Judo is sport**

Unlike karate or jiu-jitsu, judo is a sport rather than a means of self defense. The founder, Jigaro Kano, combined many of the un-harmful tactics of the former two, molding a sport in which the knowledge of falling technique makes injury impossible. Therefore, Mr. Yanegi spends much time during the first few months teaching beginners the art of falling.

**Judo ranking system**

Twice each year members of the club are given the opportunity of attending the New England promotionals at which they can improve their rank. There are three classes of ability; white belt, which is subdivided into three groups, brown belt, which also has three groups and finally black belt which consists of ten divisions. Tenth black belt is the highest ranking one may obtain.

The promotional test consists of a demonstration of form, participation in matches and a written exam. To graduate to brown belt, for example, one must demonstrate twenty-four different throwing techniques. A series of seven or eight matches displays a participant's fighting spirit while the exam tests one's knowledge of Japanese terms involved in judo. Bob Gilmore attended the Oct. 13 promotionals and is now a first degree brown belt.

During the year, the club participates in tournaments, dual workouts, and clinics, the first of which was held Nov. 5, at the Tohoku judo club in Somerville. Experts talked to boys from MIT and UMass. The highlight of the year is the New England championships which were started by MIT in '62. Coach Yanegi's group captured the first three crowns, but last year bowed to a strong Northeastern team. The tournament this year will be held in early spring.

**Turnout encouraged**

All boys with any interest in the sport of judo are encouraged to visit du Pont some Saturday afternoon. Mr. Yanegi is welcoming beginners as well as experts. Spectators at one of the early December home matches will be entertained during half time by New England's judo champs for three successive years.

**AQUACAPERS coming; 2 shows November 20**



Clown divers Richard Kimball (top), world professional diving champion and 1964 Olympic Coach, and Ron O'Brien, former NCAA-AAU diving champion, exhibit part of the act that they will put on November 20 in MIT's AQUA-CAPERS. Also performing will be Frank Gorman, silver medalist in the 1964 Olympic diving competition, the Wellesley Water Ballet, and the MIT Logarithms. There will be two shows, one at 7 p.m. and the other at 9 p.m.



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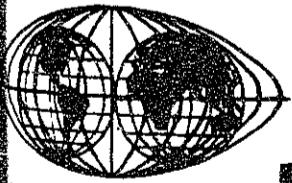
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### Kindleberger speaks in conference today on monetary policy

Four leading US authorities on international payments and monetary policy will probe the balance of payments crisis, analyze proposals to increase world liquidity, and review US monetary policies in a symposium today.

The conference on "World Reserves and International Liquidity" will begin at 3:45 pm in Baker Library auditorium of the Harvard Business School. It is being sponsored jointly by the student Public Affairs Forum and the Harvard Business School Department of International Business.

Participating in the discussion are Robert Triffin, professor of economics at Yale University; Edward Bernstein, private economic consultant in Washington, D.C.; Charles P. Kindleberger, professor of economics at MIT, who served with the Federal Reserve Bank of New York; and Fritz Machlup, professor of international finance at Princeton University.

### Senior House 0, Shelton 0 Record now 3-7



The Senior House offensive line gets set to clash with the defensive wall of Boston University's Shelton Hall football team in a modified football game played Sunday, October 31. The Senior House men were not allowed to run "too fast," jump for passes, or block aggressively. They also had to let the girls catch any passes they were able to. In a real defensive battle, neither team could muster much of an attack and game ended in a scoreless tie.

Photo by Desmond Booth

### Booters lose to UConn 3-0

By Steve Weiner  
The soccer team bowed 3-0 to a strong UConn eleven Saturday, Nov. 5. Though the Techmen worked well together in their season finale, they were hurt by momentary lapses and the absence of All-American nominee Captain Savit Bhotiwihok '66.

For the first ten minutes MIT controlled the ball but failed to score. Then, half way through the initial period, an opponent's shot rebounded off goalie Markovitz's chest into the Tech net. Defense dominated the game for the next ten minutes as neither team mounted a charge sufficient to score. During this period Avrim Markovitz '67 registered seven of the nineteen saves he tallied during the contest.

The second half commenced with a score by UConn's Tony Dudas, then the final goal was scored at 2:15 of period four by visiting left wing John Gardina.

Though Tech had the ball in their opponent's territory the majority of the time, they were throttled by the defense of UConn's fullbacks. As a result only ten saves were required to keep them off the scoreboard.

With this loss Coach Charlie Batterman's team closed out its record at three and seven.

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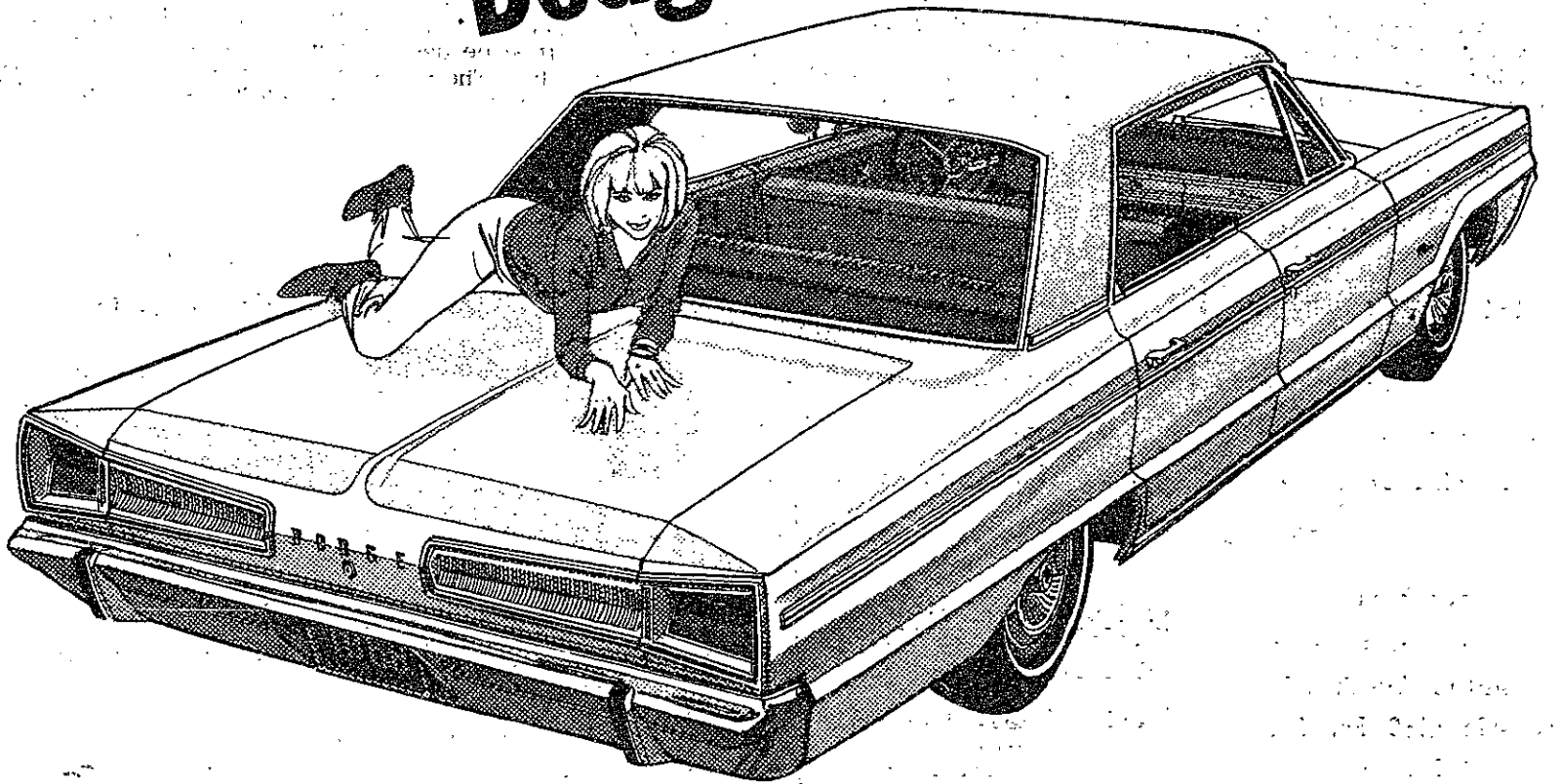


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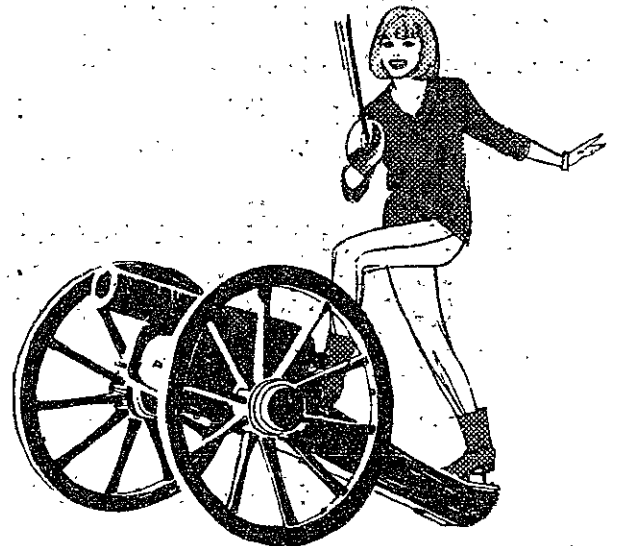
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**Fall season evaluation**

By Larry White

With the fall sports season almost over for MIT, our teams, competing in seven official sports, compiled a winning record of 31 wins, 28 losses and one tie, a significant improvement over last year. Although this record is made up of winning records from some teams and losing ones from others, almost every team showed improvement from last season.

Heading the list of winning teams is the fantastic sailing team, which compiled a record of 6-3; not wins and losses, but 6 first places and 3 second places in regattas that had as many as ten or eleven teams entered. Competing against the best teams on the east coast, our varsity sailors demonstrated that they are one of the two best teams along with the University of Rhode Island.

The meets the team has won to date are: Pine Trophy at Coast Guard, Pentagonal Regatta at Coast Guard, Danmark Regatta at MIT, NEISA Sloop Championship Elimination, Finn Class Invitational Regatta at Harvard and the NEISA (New England Intercollegiate Sailing Association) Team Championship Preliminaries. In addition, Don Schwanz '66 won the individual sloop championship for New England for his second time. With Schwanz, Captain Terry Cronburg '66, and the rest of this fine team back we can expect a fine team for spring sailing.

**Frosh sailing encouraging**

The frosh sailing team made a pretty good showing of its own this fall and prospects look good for it this spring also. In their first meet of the season at Coast Guard, they finished first in a field of eleven. Thereafter, they finished seventh and fourth twice in their other three regattas, a respectable performance. The varsity team has three more meets

this fall and the freshmen have one to go.

Another team with a fine showing this fall was the cross-country teams, both varsity and freshman, but especially the freshman. During the regular season, the varsity harriers registered a 4-4-1 record including wins over Rensselaer Polytechnic Institute, Worcester Polytechnic Institute, Coast Guard and Boston College. Topping the squad with consistently fine running were captain Rob Wesson '66 and number one man Sumner Brown '66. Their loss next year will be sorely felt, but when Coach Farnham's stable of freshman runners join the varsity next year, the team should recover.

The frosh harriers, led by sensational Stanley Kozubek, ran to a 7-2 record with one of those losses by a mere 2 points. The season included victories over Rensselaer, Worcester, Coast Guard, New Hampshire, Boston Col., Springfield, and Tufts. The climax of the season so far came Tuesday, November 2, when MIT came in 4th in varsity and 3rd in frosh in the Greater Boston College Championships, both being our best showings in that event. In addition, Kozubek won the individual freshman title, running 11:32 for 2.5 miles, and defeating the one person who had previously beaten him by 100 yards.

**Two miles in 9:32**

Stan was timed at the two mile mark in 9:32, so he has an excellent chance of bettering the freshman 2-mile track record of 10:16. In fact, the first six freshman runners all have better two mile times than the record here, so the track team should be good this spring. Both the freshman and varsity have two more meets to run in: the New England's and the ICA4 in New York.

Both the tennis and golf squads had short fall seasons as preludes to their spring schedules. The golf

team split its six matches, beating Brandeis twice and Babson once, while losing to Vermont, Rhode Island and Boston College. Gerry Banner '68 and Ben Roach '68 played the best golf and should lead the team this spring to a winning season. This year, a spring trip to North Carolina and Virginia has been scheduled, with the team playing Old Dominion, North Carolina, and other schools.

The tennis team had an extremely short but extremely successful fall season, defeating both Brandeis and Rhode Island in dual matches. In addition, Carl Weissgerber '68 and Dave Chandler '66 won the team title for MIT in the Brandeis Invitational Tourney. These results indicate a very promising season for the netters this spring.

**Soccer, rugby disappointing**

The soccer and rugby squads had disappointing seasons. The booters won three of ten games, beating Tufts, Boston University and Brandeis. Many of the games were very close and could have gone our way with a little luck. The freshmen also had a losing season. Injuries were the cause of most of the defeats and rarely was the whole starting team healthy at once. There were several individual players on the freshman team who will help out the varsity next year, including Jeff Weissman, Carl Everret, and Steve Bridges. These, along with Bayo Ajadi '68, George Busby '68 and Avrim Markowitz '67, should comprise the nucleus of an improved team next year.

The Rugby Club has also had a hard time, winning but two games. The team showed a lot of spirit, however, and it managed victories over Harvard twice as well as a hard earned tie against a rugged Brown club. There are several excellent individuals: captain Tom Van Tienhoven '66, Marshall Fisher '65, and Jim Larsen '65. The team has two remaining games with Dartmouth and Tufts. Three other teams, lacrosse,

**Informal games held**

baseball, and crew, had informal games this fall to get in shape for the spring schedule. The baseball team played four games, experimenting to find a starting team. The team looked good even though it only won one game, but there could be a lack of good pitchers on the team. The lacrosse team and crews also competed informally.

On October 16, MIT's crews competed in the Head of the Charles Regatta and did quite well. The lightweights took first and second in their divisions. Two heavyweight shells and a single scull also competed for us. Indications are that the crews, as always, will be among the top teams in the east.

Judging from the fall performance of MIT's teams, prospects for the winter and spring sports would have to be rated as extremely hopeful.

**Around the Cage**

**Lifters go to championships**

By Gerry Banner

Gene Roberson, runner-up this past September in the heavy-weight division of the National Weightlifting Championships, will lead an unofficial MIT delegation to the Eastern Powerlifting Championships at Boston's Huntington YMCA November 20. The Tech team will include Ernie Anderson '67 and at least three other weightmen who will compete in the 165 lb., 198 lb., and heavy-weight classes.

A course VI grad student from Auburn University, Roberson missed winning the national title by a mere five pounds. He did, however, set a new record for a bench press—482 lbs. In the squat press, which consists of a deep knee bend with the weight on one's shoulders behind the neck, Roberson has done 703 lbs. His best three event total, consisting of a bench press, a squat press, and a dead lift from the floor to his thighs, has been 1885 pounds.

Roberson works out with his fellow weightmen every Monday, Wednesday, and Friday, in the weight room of Dupont. He has been lifting for seven years now, and he stands 5' 9" and weighs 275 pounds.

The basement of the Armory has been undergoing some significant remodeling. A new rifle range is going to be set up north of the Dupont locker room where formerly there were bowling alleys, and more recently a rowing tank. Perhaps rifle and pistol can then be added to the Institute's already extensive physical education program. A new weight room has already been established across from the Hobby Shop.

Changes are also in store for the second floor of the front of the Armory. Tentative plans include a dormitory to house visiting teams, and a room to be used by the Music Department of Kresge.

Rosters are due on Friday, November 26, for the intramural

swimming meet. The preliminary races will be held during the evenings of November 30 and December 2 with the finals taking place on Sunday afternoon, December 5.

Some teams have already begun practicing at the Alumni Pool which is generally open from 3 to 5 p.m. during the week. Burton House and Sigma Phi Epsilon finished one-two last year and should again be strong. Questions should be referred to IM manager Howie Gillis at X3616.

With the fall intramural sports season concluded, Beta Theta Pi maintains a 48.5 point lead over Sigma Alpha Epsilon in competition for the All-Sports Trophy. With victories in football and cross country, and a third in wrestling, the Betas have amassed 254 IM points to SAE's 205.5. Burton House, winner for the past two years, is a close third with 204.3, largely the result of its wrestling title.

Phi Delta Theta is currently in fourth place with 152 points. In fifth is Phi Gamma Delta, runner-up in cross country with 115. Alpha Epsilon Pi, tennis champion, is 6th at 99.3.

All those interested in varsity or freshmen skiing who did not attend the ski team rally on Monday can contact coach William Morrison or Captain Dave Avrin '67. Experienced skiers are needed to fill gaps caused by graduation.

A ski club has been formed over in East Campus as a sub-committee of the East Campus House Committee. Over 50 skiers have shown interest and several trips, including one on November 20 have been planned. The club is now closed to East Campus residents, but there is a possibility that the club could become an all institute activity in the near future.

**Coed sailors win Tech Invitational; Girls cheer in vain for Patriots**

In the last and perhaps the biggest regatta of the year, the MIT-Radcliffe Women's International Regatta, the MIT women's sailing team carried home all the honors this past weekend.


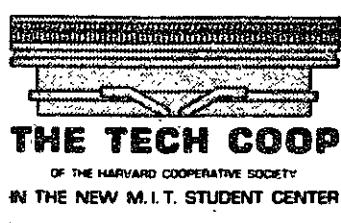
Competing against nine other schools, the girls placed first and won the Mann Lab Trophy for the second consecutive year. This two day regatta is sponsored annually by MIT and is held at the MIT sailing pavillion. However, since this is the second year of the regatta's existence, MIT has not yet had to part with the trophy.

Representing MIT were Ruth Beckley '67 and her crew, Barbara Desmond '67, in A division and Alix Bernstingle '68 and Dougie Gordon '68 as skipper and crew respectively in B division. Karen Eilers '68 and Carol Hoffman '67 subbed for Barbara and Dougie on Sunday while Barbara and Dougie were cheering for the Patriots.

The final score stood as follows: MIT 181, BU 140, Jackson 127, Radcliffe 119, URI 113, Merrimac 105, Simmons 94, Pembroke 82, Wellesley 80, Boston

College 74, and Mt. Holyoke 2.

As the regatta was ending another group of coeds was putting its athletic capabilities to good use. They were the MIT cheerleaders, who cheered for the Boston Patriots at their game against the Buffalo Bills Sunday, Nov. 7. The Patriots lost 23-7. Led by Barbara Desmond '67, the group consisted of Dougie Gordon '68, Lou Lentin '68, Jenny Rudd '68, Sherry Gulmon '68, Sue Downs '68, and two newcomers, Elaine Lancaster '67 and Dinah Schiffer '69.

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**THE EAR HAS BEER!**

# IM basketball into 2nd week

By Herb Finger

A large number of close games foretells a fine intramural basketball season this winter. The first week of competition saw 39 games in the undergraduate league along with three graduate contests.

In Major League action this past week Senior House "A" scored a decisive victory over Theta Chi "A" 59-32. Dave Pack '68 put on a strong show leading the scoring with 28 points; Mark Lappin '64 gave Senior House 14. At the end of the first quarter Theta Chi led 11-10, but as the second quarter started, Senior House got on the move. Strong defensive play gave them the ball for a majority of the time as they fast-broke the Oxes and out-scored them 18-2 in the second period. From then on it was easy going as the Senior House boys kept up the fast pace for a 59-32 victory.

### AEPi takes first

Earlier in the week, Senior House did not have such an easy time as they dropped one to Alpha Epsilon Pi 53-42. Gerry Banner '68 topped the scoring column with 25 points, most of which came in the first half. Sam Wilensky '59 chipped in ten all-important points during the final period.

During the first three periods AEPi managed to stay ahead of Senior House by a slim 37-35 margin. But in the final period, Senior House began to press, but the Pi's took full advantage of the



Photo by John Torode

Senior House "A" guard, Mark Lappin '64 lays one up against AEPi's Sam Wilensky '59, Mike Gelburg (20) and Gerry Banner (14). AEPi won 53-35.

## Harriers place fourth in Greater Bostons; Best showing ever; Sumner Brown runs fifth

By Tony Lima

The varsity harriers last week made a surprisingly good showing in their first big post-season meet of the season, the G.B.C.A.A. at Franklin Park. The Techmen finished fourth out of six teams, totalling 107 points. Harvard repeated as team champion, with five men finishing in the top ten, for a total of 35 points. George Starkus of Boston University took the individual honors, finishing the 4.5 mile course in 22 minutes, 2 seconds. Finishing 20 seconds

## Rugby Club defeats Harvard B-School

The rugby club trounced Harvard's "B" team Saturday, Nov. 5, by a score of 27-0. Wing Jim Larsen racked up seven points while centers Jaques Trameni '63, and Jim Marshall '68 supplemented the scoring. Responsible for the overwhelming margin was the play of the Tech forwards who followed the ball extremely well after the breaks. The second half witnessed some sloppy play on the part of the visitors, who had racked up a 19-0 margin during the initial period. This was the "A" team's second victory of the fall season.

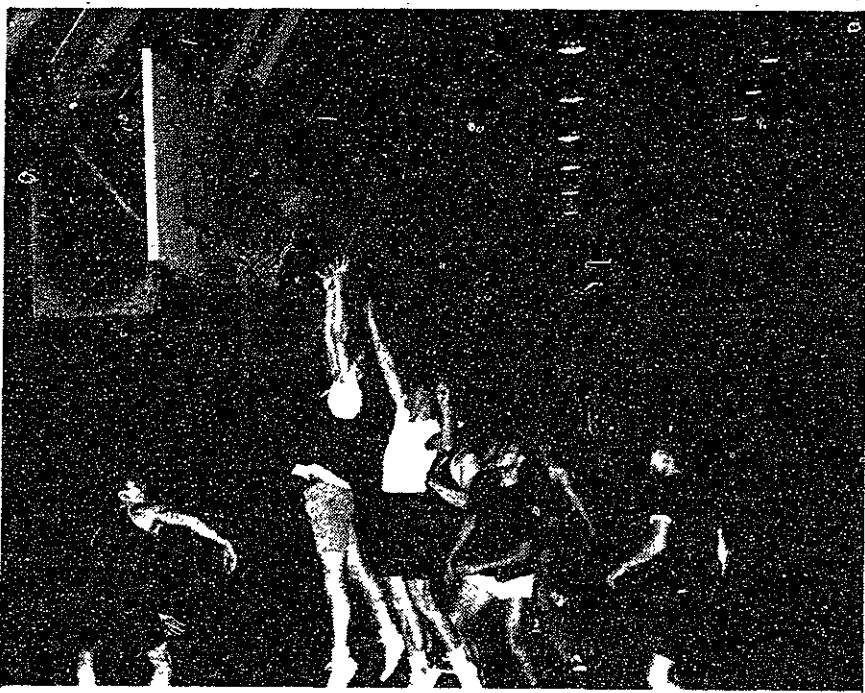


Photo by Thomas Cambell

Senior House "B" team forward John Torode '66 scores 20 points on a rebound in IM basketball action against Chinese Students "A" last Thursday. Defending are Frank Cheng '67 (white shirt), Billy Shih, and Marty Chin.

situation. Wilensky, AEPi center, was left free at the far end of the court and easily put in eight points. After that it was clear sailing as AEPi beat Senior House by 11.

Marc Seelenfreund '68 and Larry Icerman '67 combined for 31 points to lead Burton "A" to their 45-38 victory over Pi Lambda Phi. There seemed little question of the game's outcome as Burton out-scored the Pi Lams 9-3 in the first quarter, controlling both the rebounding and the scoring.

In the second period the Pi Lams came to life, led by Terry May '66, and closed the gap to three. Burton again went far ahead, dominating the boards in the third period.

### Burton on top

As the final period started, Pi Lam laid up five baskets to come within one point of Burton. Burton put on its final burst of four baskets to end the game 45-38.

In a close game Thursday, Sigma Phi Epsilon edged out Delta Tau Delta 37-31. There were never more than six points separating the two teams as the first quarter ended deadlocked 12-12. At haltime Sig Ep led 22-20, and they retained their lead in the third period, 28-24. Both teams played a slow, deliberate game with neither team surging ahead. Bruce Olsen '66 was top scorer with 11, followed by the Deltas' Art Von Waldburg '67, who had 10.

behind him in second place was Northeastern's Dave Dunskey.

Sumner Brown '66 once again ran a good race to finish fifth in the meet, and first for the team, with a time of 22:44. Captain Rob Wesson '68 finished fourteenth, in 23:20, while Dan Hoban '68 was twenty-sixth. Also scoring for the team were Helge Bjaaland '67 and Harry Link '68.

After Harvard in the team totals was Northeastern, with 45 points. Following them were Tufts, with 99, MIT, Boston University, with 125, and Boston College, with 141. Next week, the team competes in its last meet of the season, the IC4A in New York. The prospects are very good, both for the team as a whole, and for Sumner Brown individually.

Varsity results—1. Starkus (BU), 22:02; 2. Dunskey (NE), 22:22; 3. Kneeland (NE), 22:34; 4. Allen (H), 22:39; 5. Brown (MIT), 22:44; 6. Langebach (H), 22:48; 7. Stempson (H), 22:55; 8. Ryan (H), 22:56; 9. Baldwin (T), 22:59; 10. Chaff (H), 23:01; 11. Baker (H), 23:11; 12. Lobvan (NE), 23:18; 13. Sheehan (NE), 23:19; 14. Wesson (MIT), 23:20; 15. Baker (NE), 23:26; 16. Hoban (MIT), 24:33; 17. Bjaaland (MIT), 24:52; 18. Link (MIT), 25:13; 19. Peckarsky (MIT), 26:14.

### ZBT over Fiji

Zeta Beta Tau won their first game of the season last week by beating Phi Gamma Delta 33-28. The first quarter saw the Fiji's man-to-man defense slow up ZBT so that the first quarter closed with a one point difference. The second quarter provided the margin of victory for ZBT, as a late period surge gave them a half-time lead of 22-13. Mike Rubin '64 led ZBT's scoring with 12 points while Wayne Baxter '66 was responsible for nine of the Fiji's points.

Bill Dix, Intramural Basketball Manager, reminds players that the spirit of Intramural Basketball is one of competition and though tempers may flare, they should not get out of hand as they did this past week when a player struck a referee.

## Frosh sports

By Tom Thomas

Stan Kozubek carried the MIT harriers to a third place finish in the freshmen division of the Greater Boston College Cross Country meet by finishing number one in the 42-man event. He lowered his best previous time over the Franklin Park course by a full 16 seconds. Bob Bruen of Northeastern, who last week defeated Kozubek over this same 2.5 mile course, failed to improve his time and finished 14 seconds back in second place.

As a team, the Tech runners were defeated by Harvard and Northeastern while overpowering Boston College, Tufts and Brandeis. Teaming up with Kozubek were Jim Yankaskas (13), Tom Najarian (16), Rich Wolfson (17) and John Usher (20).

Team Standings: 1. Harvard—34; 2. Northeastern—41; 3. MIT—67; 4. Boston College—114; 5. Tufts—115; 6. Brandeis—171.

### Sailing

Tech's frosh sailors finally hit their stride taking first place in the Minor at Tufts. MIT, tied by Boston College in total points, owed its victory to Mike Bruce-Lockhart's two first place finishes. In the event of a tie the number of top finishes determines the winner.

Bruce-Lockhart, skippering in "A" division with Dave Fay as his crew, captured a fifth to go with his two wins. "B" division skipper Dave Goodwill and his crew, Dick Smith, finished fourth, third and fifth in their heats.

The surprises of the meet were the fourth and fifth place finishes by URI and Brown, previously the two top teams in frosh sailing. In beating the strong eleven team field, MIT made no mis-

## URI champion

# Sailors 3rd in Schell regatta

By John Kopolow

For the first time this fall the MIT varsity sailing team failed to come in either first or second in a regatta. Tech's ninety-five points in the Schell Trophy Regatta were only enough for third place. The University of Rhode Island had 120 points, followed by the lost Coast Guard Academy, with 116. Ten schools, including Harvard, Princeton, and Dartmouth, finished below MIT in the standings.

The regatta took place Saturday and Sunday. On Saturday the moderate winds made racing conditions almost ideal. However, on Sunday there was almost no wind at all. As a result only six of the ten scheduled races could be held.

MIT's captain, Terry Cronberg, skippered in the "A" division, and as is his custom, he was high-point skipper with 59 points. URI and Brown followed closely with 58 and 57 points respectively. The absence of Don Schwanz

took its toll in the "B" division. Though veteran skippers Chet Osborne and Joe Smullin, who shared the skippering duties in "B" division, did a commendable job, MIT lost a lot of ground to URI and the Coast Guard Academy. The team was especially hurt by the lack of wind on Sunday, for had all the races been completed, MIT's sailors might have done much better.

Only two more regattas are left on the fall sailing schedule of MIT. Tomorrow, beginning at 9:30 am on the Charles, is the greater Boston Dinghy Championship. Besides Tech, Babson, BC, BU, Harvard, Northeastern, and Tufts will participate. This weekend here at Tech will be the regatta for the Fowle Trophy, which MIT, Coast Guard, Dartmouth, and URI will try to take home. Thus no matter how the Tech sailors fare in these final two events, it will have been a very impressive season for them.

## Intramural Results

### Basketball

Chem "A" 63, Celtics "A" 7  
The Team 50, Ash Hous. "A" 41  
Grad Econ "A" 38, Poly Sci 23  
SAE 53, ATO 35  
AEPi 53; Sen Hou "A" 35  
ZBT 33, Phi Gamma Delta 28  
Sen Hou 59, Theta Chi 32  
Bur "A" 42, Phi Mu Delta 33  
DKE 32, Kappa Sig 24  
Bak "A" 42, Bur "C" 26  
Phi Kappa Sig 26, Kappa Sig 22  
DKE 40, Chem "B" 27  
Grad Econ "B" 37, Bur "C" 26  
Bur "B" 43, Bak "B" 25  
Phi Delta Theta 42, Sig Nu 39  
DU 66, Stud Cent 30  
Sig Nu 51, Stud Cent 34  
Stud Hou 41, Sen Hou "B" 24

Theta Delta Chi 53, Pi Lam "B" 28  
Westgate 35, Chinese Stud. 32  
Sigma Chi 46, Pi Lam "B" 28  
NRSA 53, Ash Hou Din 26  
EC "A" 49, Theta Chi 31  
EC "C" 49, AEPi mesons 44  
Ash Hou "B" 28, Theta Del Chi 19  
TEP 47, EC "B" 19  
Sig Ep 56, Sen Hou "C" 14  
AEPi ala modes 25, Bur "E" 23  
Bur "D" 45, Phi Sig Kap 39  
Bex 43, ZBT "B" 31  
Bak "C" 35, Theta Chi "B" 34  
Bur "A" 45, Pi Lam "A" 38  
Chinese Stud. 54, Sen Hou "B" 24  
Phi Kappa Theta 45, Phi Deltas 29  
Sig Ep 37, Delta Tau Delta 31  
The Team 62, Celtics "A" 14  
LXA "B" 69, Bak "D" 21

# Kozubek takes Greater Boston title

takes, maturing into the fine team originally anticipated.

Final Standings: 1. MIT—53, 2. B.C.—53, 3. Northeastern—69, 4. URI—43, 5. Brown—43, 6. Harvard—41, 7. Bowdoin—39, 8. Tufts—35, 9. WPI—20, 10. Dartmouth—17, 11. U. Conn.—17.

### Soccer

Finishing their season, the frosh kickers lost 1-0 to Phillips Exeter Academy. Exeter jumped out to an early lead by scoring in the first quarter when goalie Jeff Reynolds made a misjudgment in timing and left the goal unguarded.

Tech failed to capitalize on a freak penalty when the visitors' goalie was penalized for holding. Center-halfback Jeff Weissman missed the attempt in the second quarter.

The soccer team ended the season with a 1-7 log; however, the Exeter game marked the fourth time the MIT eleven lost by one goal. Two of these losses came in double overtimes. Ironically, in a preseason scrimmage the Tech squad defeated a Lincoln-Sudbury team on its way to an undefeated regular season and probably the number one ranking in this area.

For the greatest part of the season, Coach William S. Morrison relied on a starting lineup com-

prised of Steve Bridges, outside right; Tom Turai (co-capt.), inside right; Joe Kadich, center; Ken Schwartz, inside left; Lloyd Wilson, outside left; Carl Everret (co-capt.), right halfback; Jeff Weissman, center halfback; John Kaar, left halfback; Bob Harrington, right fullback; L. P. Ipoitis, left fullback; and Jeff Reynolds, goalie.

## On Deck

Thursday, November 11  
Sailing (V) — Oberg Trophy at home  
Saturday, November 13  
Rugby — Dartmouth, away  
Sailing (V) — Fowle Trophy at home (through Sunday)  
Monday, November 15  
Cross Country (V&F) — ICAAAA at New York

## How They Did

Soccer  
UConn 3, MIT (V) 0  
Phillips Exeter 1, MIT (F) 0

Cross Country  
MIT (V) placed 4th in GBC's  
MIT (F) placed 3rd in GBC's

Sailing  
MIT (V) placed 3rd in Schell Trophy competition  
MIT (F) won the Minor at Tufts

Rugby  
MIT 27, Harvard Business School (B) 0

Women's Sailing  
MIT won the MIT-Radcliffe Invitational Regatta

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