

## Conference on ethics

# Ayn Rand visits Rutgers

By Spence Sherman  
"Before we begin tonight, please write 'VOID' across the description in your program of our speaker for this evening." The program was printed for the Rutgers Bi-

centennial Intercollegiate Conference on 'Ethics in Our Times' and the request was made by Dean Earl W. Cliffords of Rutgers, the Faculty Advisor to the conference.

### Ayn Rand featured

The speaker in question was Ayn Rand. The program description, while not factually inaccurate, was felt by many to be misleading in tone. It provided a perfect introduction to a conference on ethics that also featured speeches by Roger Blough, the Chairman of the Board of United States Steel, and Walter Reuther, the president of the United Auto Workers.

The conference was held at Rutgers from March 18th to March 20th, and was attended by more than 80 delegates from 30 schools. Juniors Keith Patterson, Alan Paul, and Spence Sherman represented MIT.

Ayn Rand opened the conference on Friday night with a speech on 'Ethics in Education.' She described a twenty-six year old student who is so racked by indecision that he is unable to function. He was presented as an extreme example of what current educational process does to today's youth.

### Guidance found in art

She asked where, if not in what are presented as moral standards by conventional education, can a child find guidance toward "a moral sense of life." Her answer was "in romantic art, particularly romantic literature."

Miss Rand then described what

(Please turn to Page 5)

## Selective Service to allow seniors to take new test

MIT seniors and graduate students who took the Selective Service College Qualification Test back in 1962 will be able to take the new version of the examination, according to the latest word from Selective Service Headquarters in Washington.

Mr. Robert Weatherall, Executive Officer for the Graduate School received the directive from Washington Wednesday and is urging all non-father grad students to register for the test.

This announcement supercedes a previous statement from Colonel Feaney of the Massachusetts Selective Service making it illegal to take the test again.

As the policy now stands, local draft boards are generally being instructed to look at a student's first set of scores. Mr. Weatherall, however, believes that some weight will be given to the newer scores of the Tech seniors and grad students.

But for the future, the first mark scored on the test by a student, even during his senior year in high school, will be the score that counts all the way through grad school.

## Captured by TV

# Balloon, strobe, The Tech combine to assist Spring Weekend publicity

### By Al Pollack

While most students slept peacefully after vacation Sunday night, three members of The Tech's Board of Directors and one member of the news staff were engaged in intrigue on the roof of the Student Center. Spring Weekend publicity was moving out.

The great balloon caper, as it came to be called, began in the early evening under the direction of Bob Horvitz '68, The Tech's Managing Editor. Materials were quickly gathered for the publicity stunt: wood, nails, hammers, saws, paint, and bed sheets. Not so quickly gathered was a 235 lb. cylinder of helium.

The object of the operation was to launch a 20 ft. helium-filled weather balloon tethered to 120 ft. of wire from the roof of the Student Center. Beneath the balloon was to be suspended a huge tent-shaped sign proclaiming "Spring Weekend."

### Campus Patrol Called

Work proceeded into the early

morning hours as Horvitz; Mike Rodburg '68, Features Editor; and Dave Kaye '68 of the news staff prepared for a 9 am scheduled launching. Unfortunately the wood ran out around 3:30 am, but a quick call to the Campus Patrol brought help. They opened the door to Kresge, where the rest of the lumber was cached, on the strength of a smile and an ID card.

At 4:30 am the predawn stillness was broken by the sounds of final preparation on the roof of the Stratton Building. With everything securely tied down, the balloon was boiled in water, as per instructions, and inflation commenced.

### Balloon 17 years old

The balloon had been obtained from the meteorological department. It was the last one on hand, and had been manufactured in 1949, making it older than some MIT freshmen.

As originally conceived, the 20 foot balloon would lift 280 lbs.,

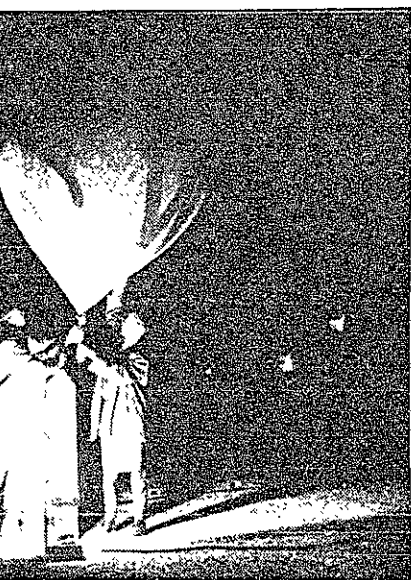
but fate dashed these hopes quickly. The sphere had been mismarked and soon the worst fears were realized, it would only be 10 feet in diameter and have but one-eighth the expected lifting ability. This proved inadequate for the 40

(Please turn to Page 3)

## Queen entries due

Entries for Spring Weekend Queen will be accepted Monday, April 11 through Monday, April 18. Each entry must be accompanied by a picture at least 3"x5". The picture is returnable. Five finalists will be chosen from the entries by a vote of the entire student body. The Spring Weekend Queen will be announced during the Weekend, April 29 and 30.

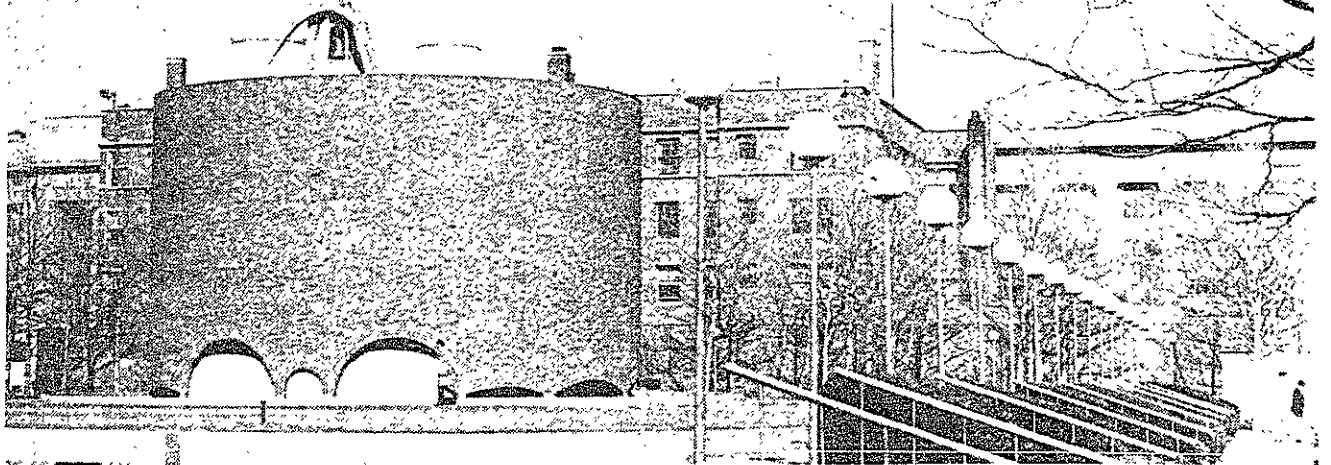
Of the 1250 limit on the number tickets to be sold, all but 50 were sold by Wednesday.



Photos by Jim Robertson

From atop the Student Center, the Spring Weekend balloon is launched into the night by Bob Horvitz '68 (rt.), and Mike Rodburg '68 (left) and Dave Kaye '68 (in the back). The helium tank is in the foreground.

# The Tech



Vol. 86, No. 16

Cambridge, Massachusetts, Friday, April 8, 1966

Five Cents

## MIT Student House wins tax struggle

### By John Corwin

The MIT Student House has finally won an eight-year-long court struggle to gain exemption from real estate taxation.

In 1959 the Student House proposed to a city tax court that it was a charitable, non-profit organization of MIT alumni set up for student aid purposes, and should therefore not be subject to

real estate taxation. The House is located at 111 Bay State Road.

The case had to be brought to a city Appeal Board, and finally to the Massachusetts State Supreme Court.

### Hope for \$12,500

Mr. Robert Holz of the Student House alumni House Corporation estimates that the receipts from the court victory, which is 8 years

retroactive, will total about \$12,500.

### Taxes were rising

The House has been paying increasing annual rates of taxes, which rose to \$2500 this past year. The 1959 taxes have been officially awarded returned by the Court, and the return of the remaining money is considered a mere formality. The House incurred about \$400 legal expenses in the last 8 years.

The Student House enables students to live for about \$400 less each year than average campus housing. Its membership is determined largely by appraisal of financial need.

## Department tours, open houses planned for Parents' Weekend

### By Mike McNutt

The MIT faculty and Undergraduate Association will present

the biannual Parents' Weekend April 22-24. The weekend has been carefully planned and designed to present an overall view of life at MIT.

The main feature of the weekend will be presentations by the various academic departments. Departmental tours and open houses will be held Saturday morning, followed by luncheons with Dr. Frank Press and Professors William Pounds, Robert Bishop, and Lawrence Anderson.

After the luncheons, there will be lectures and demonstrations by some of MIT's most noted professors, and, following tours of the Institute, President Stratton will speak at the annual Awards Convocation. Guest speakers at the evening banquets will include Dr. James Killian, Dean Jerome Wiesner, and Dr. Charles Drape.

All registration material for the weekend must be forwarded to the Parents' Weekend Committee by Monday, April 18.

## SCE to interview Committee applicants

Interviews for members of the Student Committee on Environment will be held Wednesday, April 13, at 5.

The committee will deal with student environment and student opinion, including such topics as parking, campus beautification, campus planning.

The committee will possibly have a living group oriented structure. It is hoped that applicants will come from a wide spectrum of living groups and have a broad grasp of the problems and wide contact with student environment.

Applicants may be from any class, and interested persons should sign up for interviews in the InsComm office before April 13.

## Dean Pounds announces 45 MIT Sloan winners

### By Sue Downs

Award of 45 Alfred P. Sloan Fellowships at MIT for 1966-67 was announced by Dean William Pounds of the Sloan School of Management.

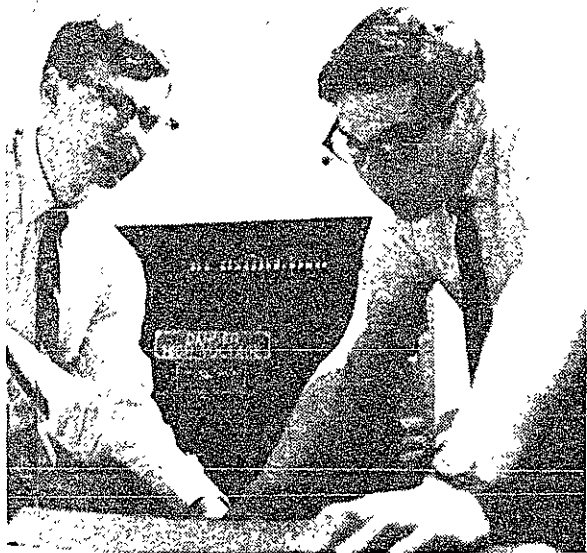
Granted to outstanding young business and government executives both in the United States and abroad, these Fellowships are for a full year for education in management at MIT.

Participation in this program is considered one of the highest honors which can come to a young man in a management career. The Fellows, in their mid 30's, were carefully selected by MIT from a group of exceptionally able executives whose organizations nominated them for admission to this program. It is hoped that the participants will be able to advance to positions of major importance in the future.

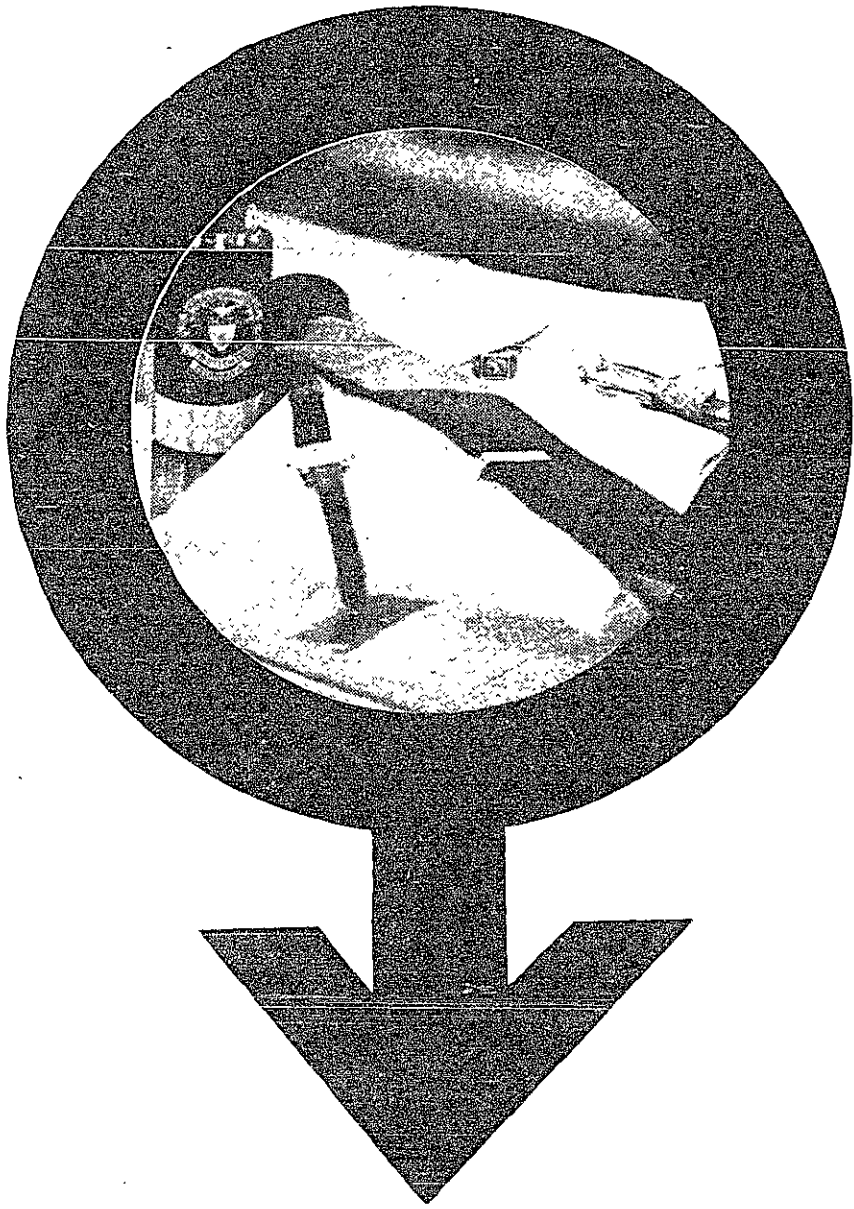
The Sloan Fellows will move with their families to the Cambridge area in June to spend

twelve months at MIT. They will study in depth the fundamentals that underlie sound management decisions and the changes in management and technology. The program will consist of special courses with senior members of the MIT faculty and management seminars in which the Sloan Fellows have an opportunity to meet outstanding leaders in business and government, here and abroad.

Of those accepted, three received degrees from MIT. They are Eugene N. Babb of Encino, California, Hughes Aircraft Co., Culver City, California (BS 1951); Charles W. Bostick of Ashton, Maryland, National Security Agency, Department of Defense, Fort Meade, Maryland (BS 1950 MIT); MS 1951 University of Illinois); and George E. Dausman, US Air Force, Wright-Patterson Air Force Base, Dayton Ohio (BS, MS 1954).



Connecting two generators attached to high-intensity stroboscope borrowed from the laboratories of Dr. Harold Edgerton are Bob Horvitz '68 and Gerry Banner '68.



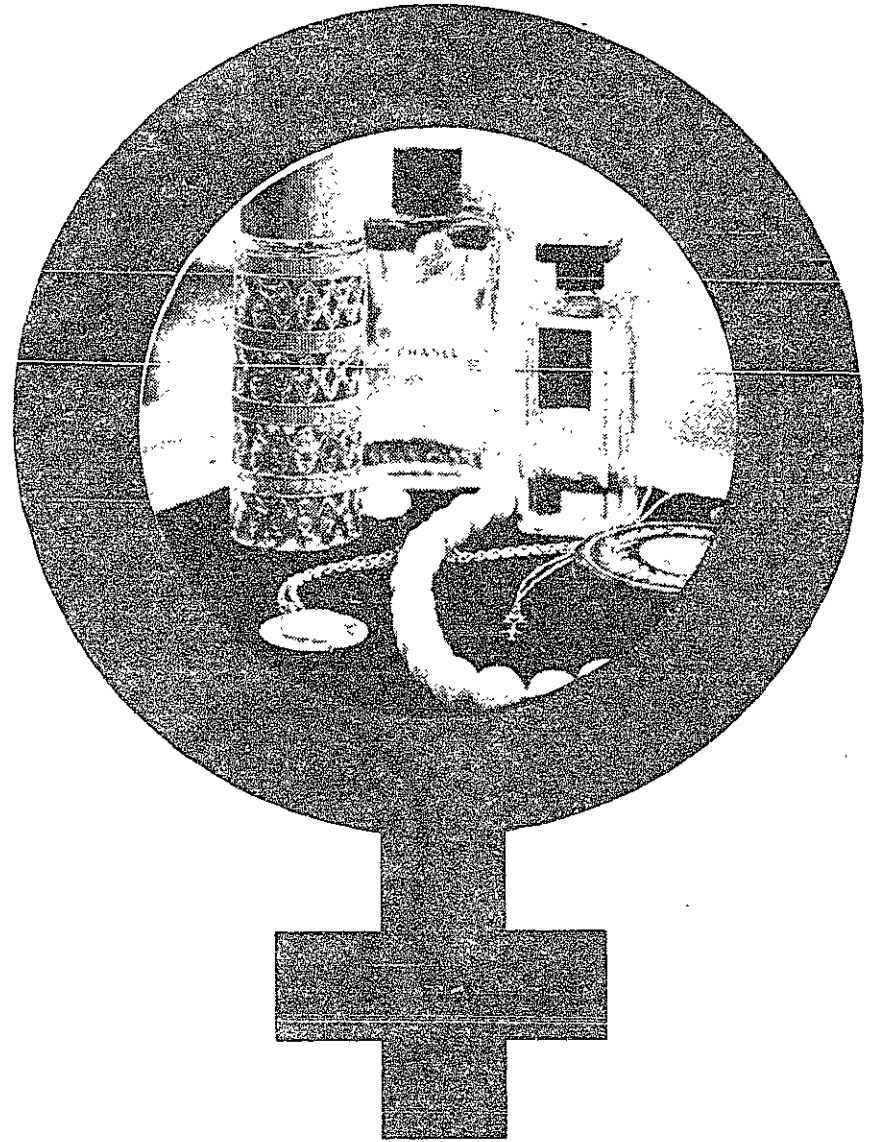
*... The Apparel Oft Proclaims The Man.*

*Shakespeare  
Hamlet  
Act I, Scene 3*

Proclaim yourself with a new warm weather wardrobe from the Coop's fine Men's Shop.

Handsome spring all-weather rain coats by Baracuta (\$29.95) and Plymouth of Boston (\$22.95), seasonable suits and sports jackets by Arthur Freedberg & Co. and Michael Stern, lightweight trousers by Levi and Wearwell (\$4.50 and up), short sleeved shirts by Arrow and Dunster (\$4.20 to \$5.95) and the most recent styles in shoes by Bostonian are displayed for your selection. You'll also find comfortable socks by Marum and Camp priced from \$1.00, as well as smart rugged luggage by Samsonite for spring and summer vacations. There's a whole range of masculine accessories too, from Paris belts to Jade East and English Leather toiletries.

And while you're shopping for spring clothes or recent records and books, you can drop your tennis racket off in the Sporting Goods Department for repairs or re-stringing for your first spring tennis match.



*... A Woman Dressed In Her Finery  
Is The Most Tremendous Object  
of Creation.*

*Oliver Goldsmith  
She Stoops To Conquer  
Act II*

There's all manner of pretty spring finery at the Coop's Women's Shop. Slip on a colorful and comfortable shift or shirtwaist for the bright sunny days, and choose a luxurious London Fog Raincoat (\$37.50) for the rainy days. Barometer all weather coats (\$35.00) feature a lightweight zip-in-lining, and raincoats by Cable combine quality and economy at \$11. You'll enjoy your wardrobe even more when you buy easy care fabrics . . . like the stylish Fortrel skirts in basic loden or navy blue at \$6. Parlane shows flowery blouses with solid matching skirts for \$12 and there's the delightful matching sets by Majestic in easy care fabrics with the linen and shantung look. Majestic's skirts, sleeveless tops, blouses, bermudas, and suits come in pastels and neutrals, priced from \$8 to \$13. While you're looking at Ship n' Shore's fresh cotton blouses, glance at the cosmetic counter near by. You'll find spring's loveliest scents and colors beautifully captured by Yardley, Jean Nate, Revlon, Elizabeth Arden.



**THE TECH COOP**

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## Christian Science lecture to be in Student Center

The Christian Science Organization is sponsoring a lecture in the West Lounge of the Student Center Thursday at 7:30 p.m. The lecture will be given by Lenore D. Hanks, CSB, of the Christian Science Board of Lectureship, on "The Mythology of Matter."

A noted practitioner of Christian Science, Mrs. Hanks is currently on tour through the U.S. and Canada.

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## Horvitz, Rodburg, Kaye on TV; balloon sighted over Great Dome

(Continued from Page 1)  
lb. sign, the weight of the wire, and the valve assembly.

It was decided to scrap the sign and launch only the balloon, painted with the large red letters SW.

**TV crew arrives**  
Then television channel 4 (WBZ) arrived complete with newsman and camera. The historic launching was recorded for posterity by the station and aired on the 11 pm news report on Monday night.

During the day the big yellow balloon greeted Techmen across the campus. One remarked, "Oh, it must be spring, they've launched the old balloon." That comment still has not been quite understood.

As evening approached, Phase Two went into effect. A powerful strobe beacon provided by Dr. Edgerton was carried to the roof and installed there by Horvitz (who still had not been asleep); Mark McNamee '68, Managing Editor; Guille Cox '68 Business Manager; and Gerry Banner '68, News Editor. The flashing light illuminated the balloon, making it visible across the river in Boston.

**Balloon escapes**  
Sometime Tuesday afternoon disaster struck. The balloon loosened itself from its own collar and took off into space. It was last sighted by members of Course XIX soaring over the Great Dome heading toward the Green Building, and has not been heard of since.

Wednesday afternoon Horvitz replaced the balloon by a silhouette of a train, one of the symbols of Spring Weekend. The strobe was trained on the train at night, intermittently flooding the train, the night sky, the little dome, and the entire top floor of McCormick Hall with brilliant light.

## Brigham appointed

## Assistant planner named

The appointment of Gordon L. Brigham as assistant planning officer for community relations has been announced by Philip A. Stoddard, vice president of operations and personnel.

Mr. Brigham's function will be to coordinate the use of MIT's technical and professional resources in support of other agencies and organizations dealing with housing and redevelopment in the Cambridge area. If plans for the Inner Belt are ever finalized, he will work with other area agencies in easing the problems of relocation.

Mr. Brigham is a graduate of Yale University, where he received a BA in architecture in 1956. He attended MIT for three years under a Sears City Planning Fellowship. He earned his master's degree in 1963. During his final year of graduate study, he was awarded the American Institute of Planners Award for outstanding academic achievement.



Gordon L. Brigham

## Tech applicants shine in Foreign Service test

State Department officials would like to know but so far have no clue—what is the secret of MIT and Swarthmore College.

In the last written examination for the Foreign Service, given in December, all nine applicants from MIT passed; 12 of 13 from Swarthmore passed. Grouping the results of the last three examinations, MIT's record was 23 out of 24; Swarthmore's was 21 out of 27. The national average is one out of five.

In general, State Department officials are satisfied that their examinations select as successfully as possibly the best of those who apply for Foreign Service careers.

The written examination tries to measure reasoning and writing ability, general liberal arts knowledge and some specialization in economics, history or political science. Those who pass it undergo a two hour oral examination by a board of three veteran Foreign Service officials who attempt to judge personality, mental ability, presence and maturity.

About 250 young men and women out of an initial 5000 are ultimately selected. The Department does not know, however, whether those 5000 represent the cream of the college and graduate population, but they believe that the Foreign Service rates high in collegians' minds as a desirable and prestigious career.

## Fresh convocation

## Holt leads panel program

The annual freshman course convocation was held Wednesday night in Kresge Auditorium. The discussion was moderated by Professor Charles Holt of the biology department.

His panel included Paul Gray, Associate Dean of Student Affairs,

Dr. Benson Snyder, Psychiatrist in Chief, George Valley, Undergraduate Planning Professor, Richard Douglas, head of the Humanities Department, and Charles Miller, head of the Civil Engineering Department.

ADVERTISEMENT  
**THE BIBLE says:**  
For by grace are ye saved through faith, and that not of yourselves: it is the gift of God: Not of works, lest any man should boast.—Ephesians 2: 8, 9

The convocation was planned by Mark Mathis '69 and Alan Milner '69. Also included in the program for the next two weeks are open houses to be held by each of the departments.

The basic format of the convocation was a discussion of various questions of universal interest, followed by an open question-and-answer session in which questions were directed from the floor at the various panel members.

Topics of discussion included the relation between the freshman's choice of undergraduate major and his eventual career, programs leading to more than one undergraduate degree, the new curriculum which will lead to an unspecified bachelor's degree in science, and the possibility of changing majors after the sophomore year.

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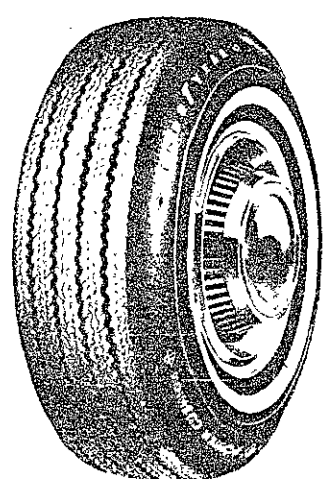
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# The Urban Challenge

Almost 200 delegates from 96 colleges and universities will participate in an intercollegiate conference entitled The Urban Challenge at MIT next week. This conference offers two opportunities to the MIT student body and community.

The first opportunity is to attend the conference lectures in Kresge and hear any or all of the 12 speakers who will be discussing transportation, urban renewal, and the future metropolis. Speakers will include Professor Robert C. Wood, Course XVII head and under-secretary of the newly formed federal Department of Housing and Urban Development; Congressman F. Bradford Morse; Edward J. Logue, administrator

of the Boston Redevelopment Authority; Dr. Robert A. Nelson, director of the Commerce Department's Office of High-Speed Ground Transportation; Professor James Q. Wilson, director of the MIT-Harvard Joint Center for Urban Studies; and General Rush B. Lincoln, Jr., general manager of the MBTA.

The second opportunity presented by the conference is that of sending the 200 collegiate delegates away with a respect for the friendliness and hospitality of the Institute's people in addition to the respect we hope they will gain for the Institute's academic capabilities.

Most of you remember that the first contact with the physical maze we go to school was in frustrating and bewildering. So be both patient and helpful if you come into contact with lost or confused delegates next week.

You can get information on the conference lectures at The Urban Challenge booth in the lobby of Building Ten. We hope you don't have to get information on how to be a good host Wednesday through Saturday.



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Front page photo of the Chapel taken by John Havekotte

## Letters to The Tech

### Suicide service

To the Editor:

The Tech published a thoughtful letter in its March 25th issue expressing concern regarding the prevention of suicide here at MIT. This is clearly a concern we share. Much time and effort continues to go into developing and evaluating the appropriate measures for suicide prevention. The letter suggested that we have a facility similar to Rescue Inc., with a phone number listed in the Student Directory.

Indeed, any MIT student in any emergency can call Ext. 100 and will be immediately referred to the appropriate service. Since 1959, psychiatrists have been available on a 24 hour basis for any psychiatric emergency. A number of calls have been received during this period. The suicides, with very few exceptions, have been individuals who have made no contact with either the Psychiatric Service, the Medical Department, or any other counseling service. This is also the experience elsewhere.

In addition to 24 hour availability of the Psychiatric Service, the Medical Department and the Dean's Office are on call night and day. The house masters and tutors, as well as religious counselors, are also available and often have been most helpful in the past. The Campus Patrol has shown a high degree of responsibility and helpfulness when emergencies have come to their attention, responding immediately

and then calling in a psychiatrist when appropriate.

The suggestion to print the emergency phone numbers in the Student Directory is a good one.

Benson R. Snyder, M.D.  
 Psychiatrist-in-Chief

### 6.02 backwards

To the Editor:

Re your Footnote No. 34 (Mar. 15, 1966) concerning the major prerequisite for all 6.01-6.02 lecturers (viz., left-handedness). I would like to call your attention to the fact that this prerequisite has to be interpreted with extreme care when it is applied to a foreign lecturer. For example, the Chinese write from right to left instead of from left to right as the Americans do. Therefore, for a Chinese to be a 6.01-6.02 lecturer, he has to write with his right hand.

I am a Chinese. I write with my right hand. Therefore, I am to give the second half of the 6.01 lectures next year.

Just to prepare for the possibility that I might become a U.S. citizen in the future, I am in the process of learning to write with my left hand.

Thomas S. Huang  
 Assistant Professor of  
 Electrical Engineering

### Teaching awards

To the Editor:

With reference to your editorial, 'The Teaching Gap,' in the March 15, 1966 issue, I would like to add, for the record, that the De-

## Good Teachers

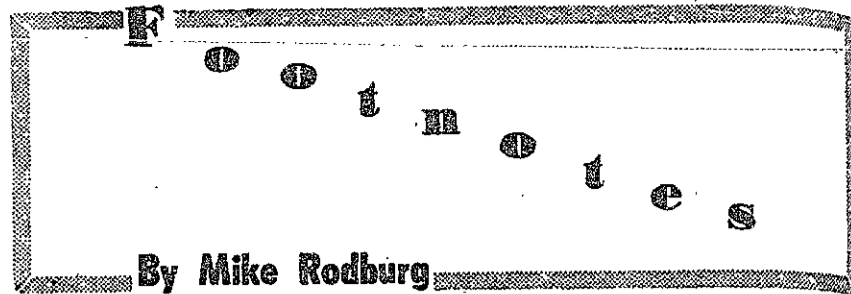
The Tech has received several suggestions of worthwhile subjects for a feature we hope to do on the Institute's good teachers. However, we suspect that there are some very good teaching professors we haven't heard about, particularly in the smaller departments. The only gimmick here is our desire to recognize professors who serve students with superior teaching. If you have suggestions, contact us.

partment of Electrical Engineering presents awards annually for 'excellence in teaching' to junior staff engaged in teaching undergraduate Course VI subjects. The awards were first given in 1957 and have numbered between four and six recipients each year. Each award is accompanied by a prize of \$500.

Winners are selected by a committee composed of the Department's Faculty in charge of the undergraduate teaching program. The committee gives a great deal of weight to student enthusiasm and response to a particular instructor. The awards are eagerly sought after by the junior staff. The Department feels that their presence provides inspiration and has done much to maintain the high quality of junior staff teaching in Course VI.

Upon Professor Carlton E. Tucker's retirement in 1962, the Department decided to honor his devotion to high teaching standards by naming two more junior staff awards in his behalf. Significantly, upon his death last January a number of his friends and colleagues saw fit to contribute to the Faculty Memorial Association, Inc. The Association serves the MIT Community at large for memorial gifts upon the death of colleagues. Gifts for the Tucker Awards are still being received and anyone who wishes may contribute in Room 4-205.

John A. Tucker  
 Administrative Officer  
 Course VI



By Mike Rodburg

42. There has been some talk recently about an Elsie's in the Student Center. Mr. Larry Bischoff, Assistant to the Vice President in charge of Operations and Personnel, decided to do some first hand investigating.

He ordered a Roast Beef Special from Elsie's and compared it with the comparable sandwich at the Student Center. He concluded that the Student Center's sandwich was "tastier;" he felt it had a better quality and greater quantity of meat. The Elsie's sandwich was said to have an over-abundance of dressing.

Tests such as this have been conducted on a more formal basis in the past, and Mr. Bischoff invites anyone interested to try the same taste-test.

43. The forlorn secretary who wrote to Voo Doo last month complaining about the MIT students too wrapped up "in their test tubes" to notice anything else has initiated a response. The East Campus Social Committee will hold an acquaintance April 15 at 8 pm to bring secretaries and students together. All single secretaries and students are invited.

Anyone with normal eyesight who has seen many of the secretaries at the Institute should

agree that this is a welcome and long overdue event.

44. Though Prof. Pedlosky's case against the loyalty oath is still pending, the Massachusetts House, nevertheless, overwhelmingly voted not to repeal the law 185-36. The consensus of opinion among the legislators was to wait until the courts act on the issue.

45. Despite what the BBC might have you believe, MIT is not the largest defense contractor; it is 38th, however. This figure was released by a joint congressional subcommittee studying the economic impact of Federal procurement.

The report found 37.7 percent of defense contracts going to New England, with Massachusetts in the lead, and Massachusetts leading primarily because of MIT.

46. The MIT Press has published a book to warm the hearts of any baseball buff. The title of the publication is 'Percentage Baseball,' by Earnshaw Cook. The author's other works are not quite in the same line as this one, since they include 'Basic Open Hearth Slag Control,' 'Engineering Properties of Heat Resistant Alloys,' and 'A Quantitative Study of Austenite Formation.'

## Kibitzer

By Mark Bolotin

North  
 ♠ 6 4 2  
 ♥ 8 4 3  
 ♦ A J 9 7 4  
 ♣ 7 3

West East  
 ♠ 9 7 5 ♠ K J 10 8  
 ♥ J 9 5 2 ♥ Q 7 6  
 ♦ None ♦ Q 10 6 5 2  
 ♣ K J 10 6 5 4 ♣ 8

South  
 ♠ A Q 3  
 ♥ A K 10  
 ♦ K 8 3  
 ♣ A Q 9 2

Neither Vulnerable  
 Bidding:  
 West North East South  
 Pass Pass Pass 2NT  
 Pass 3NT Pass Pass  
 Pass

Opening lead: ♣ J

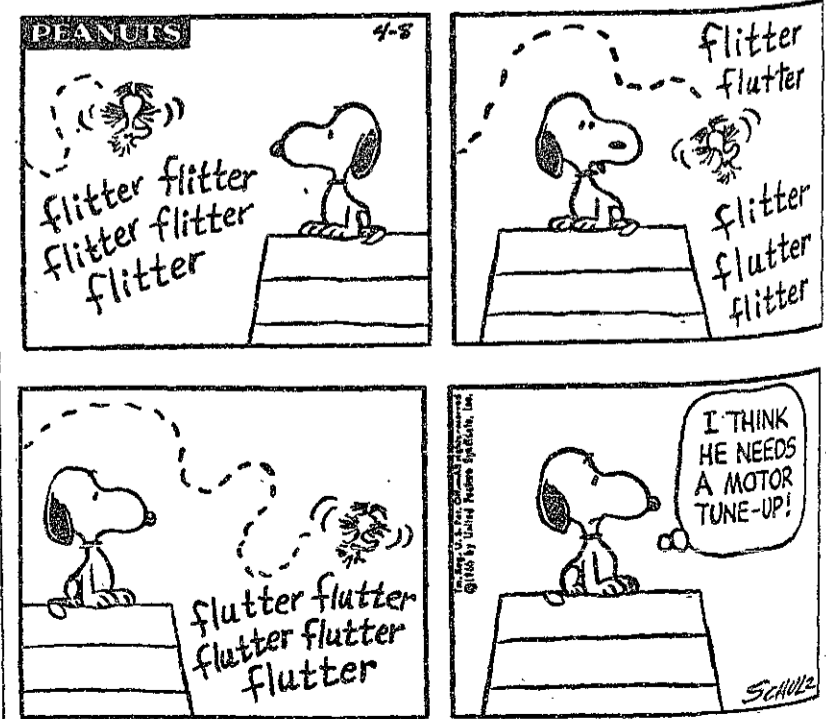
What looked like a simple contract to make became surprisingly difficult when two suits failed to split normally. However, with careful play, declarer was able to make use of the odd distribution to make the contract.

After a direct bidding sequence, South found himself declarer at three notrump. With the opening lead of the Jack of clubs, de-

clarer needed only four diamond tricks to make his contract. Accordingly, he led the King of diamonds and planned to let the eight of diamonds ride around on the following trick. In this way he could pick up the suit with no more than one loser against anything but a 4-1 or 5-0 split offside. However, when West showed out on the first diamond, declarer had to change his plans. Suddenly finding only seven tricks available, South chose to throw West into the lead. Declarer led a low club to dummy's seven, and West was forced to rise with the ten to win the trick, as East threw a diamond. West returned the heart deuce, which was won by South, overtaking East's Queen.

Looking for another way to throw West into the lead, declarer stopped to recount the hand. Since West's heart deuce was probably the fourth best, South was quite sure that West was 3-4-0-6. Also, West was likely to hold the Jack of hearts or else he might have led his highest heart or continued clubs. South cashed the Ace of hearts and followed with the heart ten. West won with his Jack.

(Please turn to Page 5)



# BRITISH MAGAZINES & NEWSPAPERS

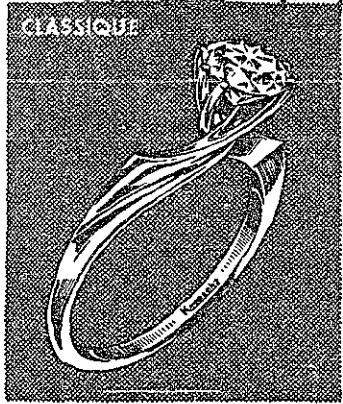
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## Rand examines schools of ethics; Kibitzer . . . sees today's life mirrored in art

(Continued from Page 1)

is involved in the concept of romantic art. She lauded "looking up to a hero" as important in a child's development, and strongly criticized adults for using expressions such as "come down to earth," and "life is not like that." Using these constitutes an error "for which adults deserve to burn in hell, if such a place existed," she says. The conflict, then, as she sees it, is between practicality and romanticism.

Miss Rand then presented what she considers to be the three dominant schools of ethics today, "ethical subjectivism," "social ethics," and "religious mysticism." She criticized all three, stating that they "refute reason" and stifle and emotionally repress a child. She also assailed the leader of the student rebellion at Berkeley, declaring that "they know nothing, but want to refute everything."

She ended on a conditional note of optimism, by declaring that we can realize that we are in trouble. This "cannot be done by any one person, but by an entire society." Currently, society is "men who have known better in their youth and are trying hard to forget it," with educators being the guiltiest. She concluded by stating that man possesses a great "emotional fire," and that "the task of pro-

viding that fire with a moral and a directive belongs to philosophy."

The Saturday morning session opened with a speech by Senator Clifford P. Case (R-N.J.) on 'Ethics in Public Life.' Saturday afternoon featured back-to-back speeches by Walter Reuther and Roger Blough.

Mr. Reuther spoke on 'Ethics in Labor and Management.' His speech was, for the most part, couched in general and innocuous terms, and did not prove rewarding. He made only a very few specific comments.

At one point, he blasted General Motors for making over four billion dollars profit last year and not cutting prices. He also proposed a civilian review to examine price increases in large industries using ethical standards, and censured the John Birch Society for "repealing the twentieth century."

### Justifies steel increases

Blough spoke on 'Ethics in Business,' and predictably supported the free market system. He stated that controls "violate human freedom," and contended that steel price rises do not cause inflation. He claimed that steel is insignificant compared to the true generators of inflation: legislative costs on local and national levels and the amount of money being put into circulation.

(Continued from Page 4)

cash his last heart, on which three spades were discarded, and attempted to exit safely with a spade.

Declarer captured East's ten and visualized the following hand:

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

South cashed his club Ace and threw dummy's spade to give East discard problems. With a spade sluff, South could cash his Ace of spades to knock out East's last exit and then duck a diamond around to endplay East. After a diamond sluff, declarer could duck a diamond to East, win the spade return, and cash dummy's diamonds.

In spite of declarer's careful play, West can defeat the contract if he doesn't cash the thirteenth heart. Without that heart lead there would be no way South could strip East of his safe exits. Declarer's best play would be to hope either that East holds all the top spades or that he fails to unblock.

South's play would be, after winning the spade return, to duck a diamond to East. He then wins the spade return and cashes his Ace of clubs. Unless East unblocks by discarding his spade Jack, South can throw East in for an endplay.

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# MIT Symphony Orchestra to give concert in Kresge

The MIT Symphony Orchestra, um. Admission is \$1.50; tickets are free in advance to the MIT community in the lobby of building 10. David Epstein conducting will present a program of music by Hindemith, Haydn, Bach, Schubert and Stravinsky Sunday, April 17 at 8:30 p.m. in Kresge Auditorium. The program will include Pieces for String Orchestra, Op. 44, No. 4, by Paul Hindemith; Symphony No. 104 in D Major by Franz Joseph Haydn; the Violin Concerto in A Minor by J.S. Bach, with Sonya Monosoff as violin soloist; the German Dances of October 1824 by Franz Schubert; and the Suite No. 2 for small Orchestra by Igor Stravinsky.

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## magazine review...

# Innisfree: to inquire is not enough

By Jeff Stokes

In the galaxy of MIT's student publications, the star to watch is the newest one: Innisfree. Born last spring at the height of The Tech's debate with Reverend Bloy concerning the role of a student newspaper in campus and national controversies, Innisfree could easily become one of the most vigorous and popular literary activities on campus. As long as the journal's editors remain dynamic and willing to innovate, it seems likely that Innisfree will surpass those of MIT's publications that have been content to plod along under smug and conservative management.

### Still an experiment

Under its founder and first editor-in-chief, George Sacerdote, Innisfree's circulation already threatens to overtake that of its

closest rivals, Tangent and Tech Engineering News. The April issue, which went on sale yesterday at \$.25, half the former price, is about 8½ by 7 inches, a substantial reduction in size from the two previous issues. Although we are not convinced that the April number represents the ultimate improvement in the physical aspect of the magazine, it is by this kind of experimentation that Innisfree will find out what format appeals most to the MIT market. Adjustment to consumer taste of the non-literary factors will facilitate further growth of circulation, and with that growth will come, in snowballing fashion, what is most desired: a swelling of the number and quality of contributors.

### A tendency toward the right

Although it is still too early in the life of the magazine to accuse it of being partisan, the present issue seems to emphasize the rightist point of view over the leftist. Two articles in particular stand out as exponents of the right wing: Roy Latham's brief but cynical look at the New Left and Dick Cunningham's dissertation on the need to escalate the war in Viet Nam. It may well be that the next issue, slated for May, will come back strongly for the left, with articles and letters in answer to statements like the following of Mr. Cunningham: "We ought to consider aiding Chiang Kai-Shek in an invasion onto mainland China . . . Many people claim, rightly or wrongly, that Chiang is hated in China and would be strongly defeated. Somehow, I am uncertain of these prophets and I would be inclined to make the try." As it is, the

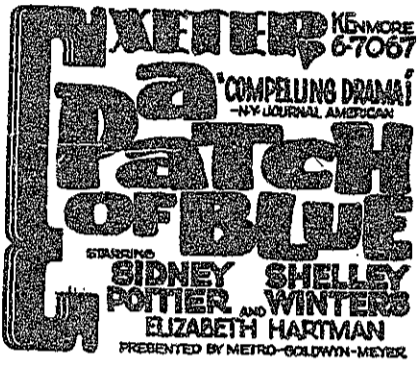
only pacifist rebuttal to Mr. Cunningham's suggestion is a cartoon reprinted from 'Punch' magazine. One of the highlights of the April issue is the poll held last month by the editors. The questionnaire, to which 367 undergraduates replied, concern the relative influences of political issues, living group, personal acquaintance, The Tech, WTBS, and other factors on the recent UAP election. We hope to see another one next year, with much more student response.

Jim Smith, in his review of Kenneth Keniston's 'The Uncommitted: Alienated Youth in American Society,' castigates the book sharply for neglecting to define terms and for overgeneralizing on limited data. Mr. Smith's article is harsh enough to discourage anyone from reading the book. Only time and angry letters to the editor will tell whether the book is worth reading after all. Its subject matter might be of interest to our own "alienated."

There is a short and inspiring description of the Urban Challenge, the subject of an intercollegiate conference to be held here beginning Wednesday. Professors Salvador Luria and Noam Chomsky have written short essays in response to a question put to them by Innisfree: Is the US Government being candid enough in its public statements?

In conclusion, we hope that Innisfree will not lapse into complacency just because, to quote Chuck Kolb's letter to the April issue, "they are 'The MIT Journal of Inquiry.'" Simply to inquire is not enough to make Innisfree sell. Too many careless errors in spelling and typesetting mar this issue; surely Innisfree can do better than The New York Times. We recommend a change in typeface, perhaps to that of The Idler advertised on the last page. And we were annoyed at the constant jumping of articles to the back of the magazine.

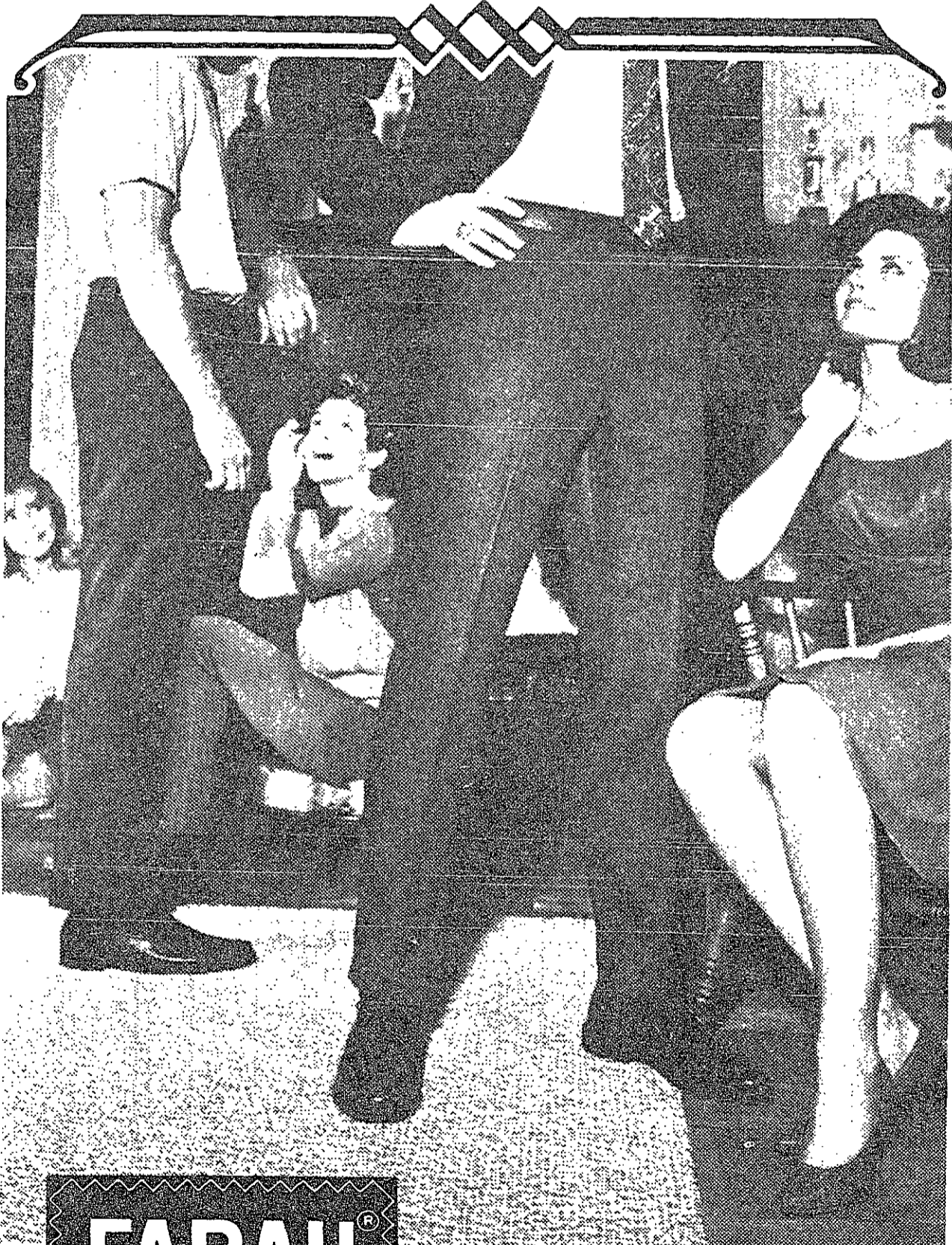
In spite of these minor problems, the MIT Journal of Inquiry shows a great deal of potential. It was boldly conceived to fill an apparent gap in MIT intellectual life, and we hope its editors will remain dynamically committed to their original ideal. If ever its staff loses interest and treats its job as a time-consuming chore, or its contributors lose interest, and Innisfree has to publish last year's theses, the enterprise so boldly begun will stagnate and be ignored. Otherwise, we predict its success.



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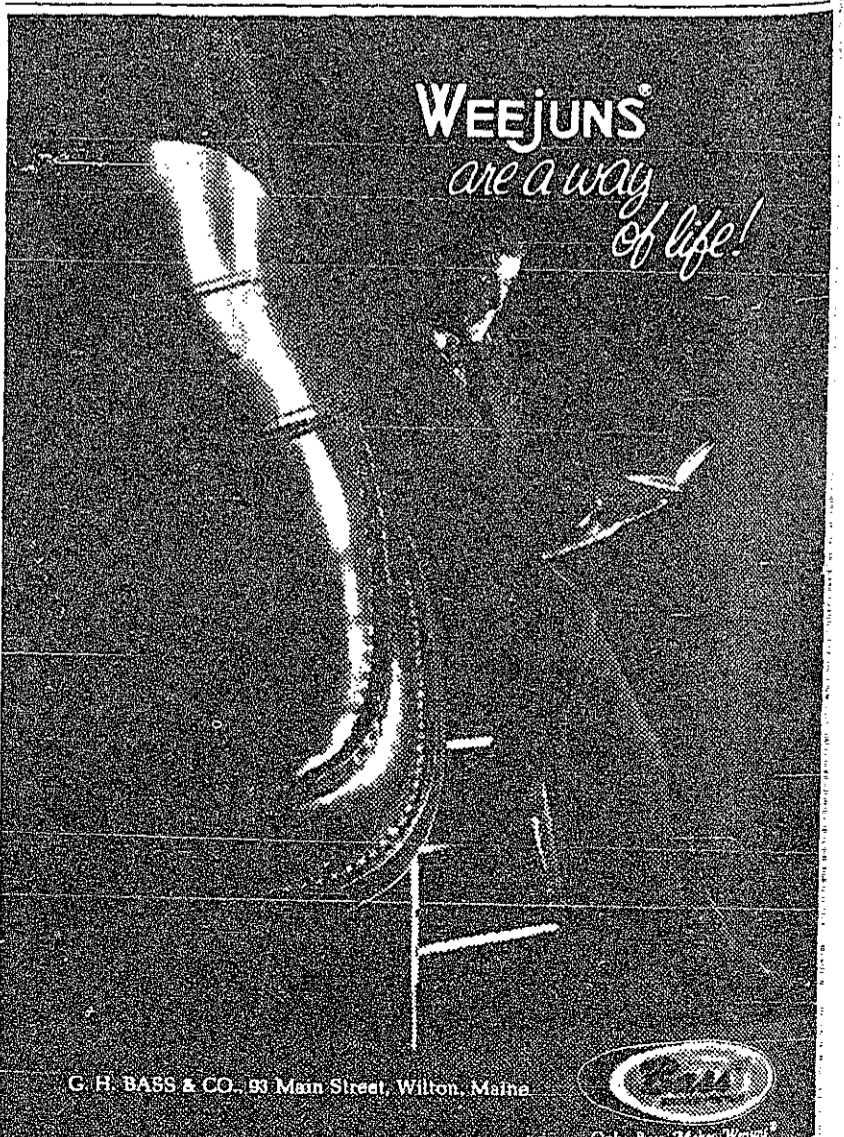
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# Talking Rock

By Don Davis

A switch of labels seemed to be just what the Righteous Brothers needed. After a gradual decline on Phil Spector's Phillies label to their poorest record, a revival of Ray Charles' 'Georgia on My Mind,' they switched to a new Spector-independent label, Verve. 'Soul and Inspiration,' their first release on the new label, is their biggest hit since 'You've Lost That Lovin' Feelin'.' It did what the Beatles and Rolling Stones couldn't do—dethrone the Ballad of the Green Berets. The 'Ballad' was number one for five weeks, the most for any song since 'Pretty Woman,' and kept 'Nineteenth Nervous Breakdown' to a maximum of number two and 'Nowhere Man' to three.

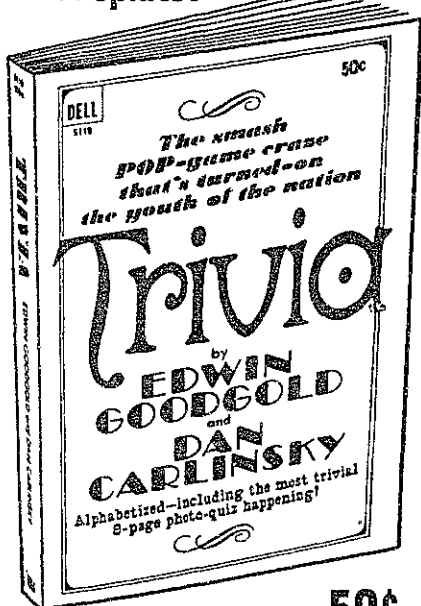
### Top Writers

Barry Mann and Cynthia Weil, one of today's top writing teams with such hits as 'We Gotta Get Out of This Place' and 'Kicks,' wrote 'Soul and Inspiration.' The two of them combined with Phil Spector to write 'You've Lost That Lovin' Feelin'.' The other significant name in the Righteous Brothers' success story is Bill Medley, one of the 'brothers.' (Unrelated, they got their name when a negro disc jockey said of their music, "That's righteous, brother.") Medley combined with Spector on the production of most of their early hits, but he is now handling production alone. Successful also as a writer, Medley wrote 'Little Latin Lupe Lu,' which the Righteous Brothers recorded first, and has since been turned into a hit by the Kingsmen and by Mitch Ryder and the Detroit Wheels.

### Louie Louie

'Louie Louie' is currently making its second comeback. The Kingsmen's big song, which originally hit number two nationally in December 1963, is prone to comebacks because of the nature of its lyrics. The published lyrics are about a shipping story but are sufficiently garbled so that one can hear almost anything in them. When rumors of obscenity hit a town, the song makes a comeback. The first widespread one was last August, probably due to a Newsweek article, when it hit number one in Oklahoma City and Denver and the top ten in Rochester. A second force has contributed to its current position in the top ten in Toledo, Albany, and Windsor. Travis Wammack released an instrumental version

If you're competitive, it's a game—if you're nostalgic, it's an opiate!



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which received widespread airplay. This put the song back into the limelight and soon the Kingsmen's version was a hot sales item again.

### Shadows of Knight

One of the nation's fastest climbing records is 'Gloria' by the Shadows of Knight, now number 41. The Shadows, who began as a random Chicago dance group, hit the top of the charts there a month ago with the release of their single. The song broke the all-time record for most requests on WLS, Chicago's top rock station. The song next hit the entire Midwest with almost the same impact. It is now number one in Detroit and on the top ten throughout Ohio. It is now spreading all over the country and should at least equal the original recording of the song.

'Gloria' was written by Van Morrison, lead singer of Them, a top British rock group. Their version was released last summer and hit number nine in the nation, drawing most of its support in the West. It was the number two song of the year in Los Angeles. The hypnotic dance beat of the song is primarily responsible for its success. The Shadows' version is somewhat cleaner than Them's in the sense of a "tighter" guitar sound and a more conventional vocal style than Morrison's gritty tones.

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## Two British movies this week

By David Grosz

The LSC will present Richard Lester's 'The Knack' tonight. This is one of the more interesting results of the cinematic "new wave" pioneered by Truffaut and Godard. It is the slight story of two Londoners, one who possesses the "knack" for attracting females, one who doesn't, and their chance meeting with a young, out-of-town girl innocently searching for the local YWCA. Starting with the very successful play by Ann Jellicoe, Lester has provided us with a dazzling display of the director's technique. In fact, this as-

pect so dominates the film that it is questionable whether it has any further raison d'être. Even if this is true, however, the film is certainly worth being seen by anyone interested in the development of the cinema in recent years. The acting, by Rita Tushingham and others, is adequate.

Tomorrow, the 007 fans will have the opportunity of seeing Sean Connery in a drama. In 'The Hill' he plays the part of a prisoner in a British stockade. Sean Connery proves to the movie-goer that he is an actor who can handle more than one type of role.

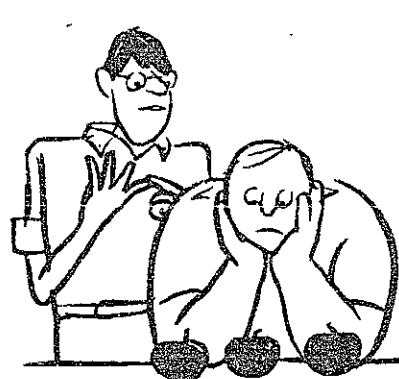
## Movies and theatres

**MOVIES**  
Astor—'Ten Commandments,' 11:30, 3:30, 7:45.  
Beacon Hill — 'A Thousand Clowns,' 10, 12, 2, 4, 6, 8, 10.  
Boston Cinerama — 'Battle of the Bulge,' 8:30, Sat., Sun. 1:30, 5, 8:30.  
Brattle — Starts Thursday, 'Red Desert.'  
Capri — 'Judith,' 12, 2, 4, 6, 8, 10.  
Cheri — 'The Chase,' 12, 2:30, 5, 7:30, 9:45.  
Cinema Kenmore Square — 'Juliet of the Spirits,' 2:30, 4:30, 7:15, 9:30.  
Cleveland Circle — 'The Oscar,' 1, 3, 5, 7:20, 9:35.  
Esquire — 'Darling,' 7:15, 9:30.  
Exeter — 'A Patch of Blue,' 1:30, 3:30, 5:30, 7:30, 9:30.  
Fine Arts — 'Sundays and Cybelle,' 5:30, 8:45; 'Dr. Strangelove,' 7, 10.

Harvard Square — 'Casanova 70,' 3:50, 7:40; 'King and Country,' 2:15, 6, 9.  
Mayflower — 'The Great Race,' 3:30, 6, 8:30.  
Music Hall—'Cast a Giant Shadow,' 10, 12, 3:20, 6, 8.  
Orpheum — 'Harper,' 12:30, 2:50, 5:10, 7:30, 9:50.  
Paramount — Starts today, 'The Trouble with Angels.'  
Paris—'The Gospel According to St. Matthew,' 2, 4:30, 7, 9:30.  
Park Square — 'Juliet of the Spirits,' 2:30, 4:50, 7:15, 9:30.  
Savoy—'The Silencers,' 2, 4, 6, 8, 10.  
Saxon — 'Dr. Zhivago,' 8:15.  
Uptown — 'Flight of the Phoenix,' 12:45, 4:50, 8; 'Made in Paris,' 11, 3, 7:20.  
West End Cinema — 'King and Country,' 2:45, 6:15, 9:45; 'The Servant,' 4:20, 7:50.

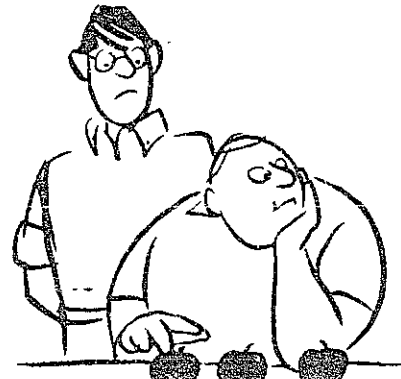
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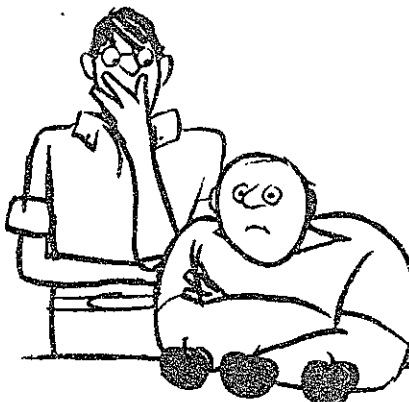
1. If you have three apples, and you want to divide them among four of you, how much does each one get?

One apiece. I don't like apples.



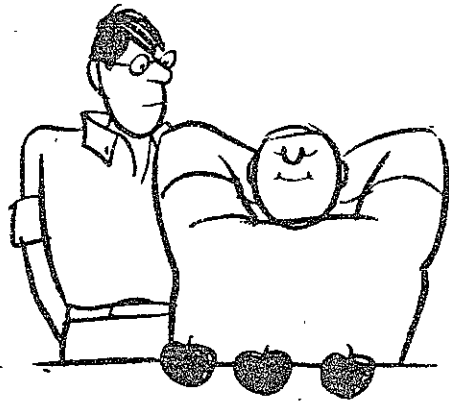
2. You're not much for math either.

On the contrary. I once went through a whole semester of calculus—after Phys. Ed. closed on me during registration.



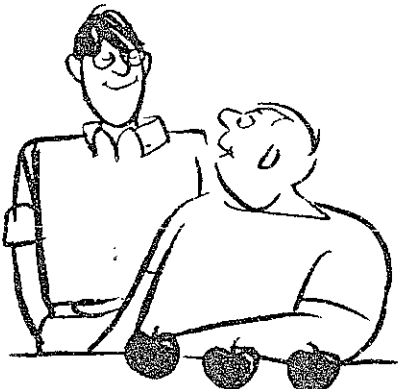
3. What are you going to do with all that knowledge?

Do you need calculus to manufacture fortune cookies?



4. You might become an actuary. It's a challenging, responsible job—and you can make a lot of dough.

A big income is one of my fondest ambitions.



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You're putting me on.



6. It's true. When you pass an actuarial exam, you get an automatic increase in your Equitable salary. And since there are ten exams, you could be making quite a bundle after a while. But don't get involved unless you have an interest in math.

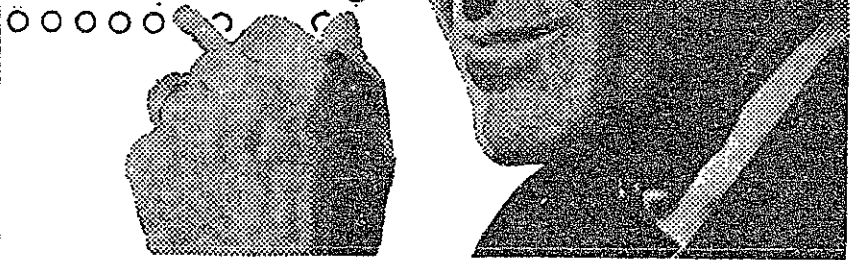
My mother didn't name me Archimedes for nothing.

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# The Bulletin Board

Compiled by the Public Relations Committee of Inscomm, The Bulletin Board is a semi-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 Inscomm 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.

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

**Friday, April 8**

4:00 pm — Good Friday: Catholic Liturgical Action, MIT Chapel.

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

5:00 pm — Concert band rehearsal, Kresge.

7:00 pm — LSC Movie: The Knack. Admission 50c. Room 26-100.

7:30 pm — MIT Hillel Service, Student Center, Room 407.

7:45 pm — College Life Group meeting, Student Center, Room 473.

9:30 pm — LSC Movie.

**Saturday, April 9**

9:00 am — Hillel, Passover Service, MIT Chapel.

10:00 am — IFC Alumni Chairman's Conference, Student Center, West Lounge.

1:00 pm — MIT Strategic Games Society, Student Center, Room 473.

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

2:00 pm — Educational Seminar, Student Center, Room 491.

5:15 pm — LSC Movie: The Hill. Admission 50c.

6:00 pm — Hillel: Passover Service, MIT Chapel.

7:00 pm — LSC Movie.

## New officers elected by MIT Concert Band

The MIT Concert Band recently elected officers to serve for the coming year: Paul Martin '67, president; George Starkschall '67, concert manager; Kent Stockwell '68, assistant concert manager; Dave Peterson '68, personnel manager; Ron Cohen '68, properties manager; Cheryl Klitzke '67, librarian. Appointed assistants were Joe Young '68, Sam Leader '69, and Paul Scott '69.

The Concert Band, which concluded this year's annual inter-session concert tour at New York City's Town Hall, has scheduled three concerts for the remainder of the spring term. It will visit Mt. Holyoke College April 16. The band will journey to Portsmouth, New Hampshire, April 24, and will perform May 15 in the annual Spring Festival of Music at MIT.

Repertoire for these programs include Thomas Beversdorf's 'Symphony #3,' Stravinsky's 'Concerto for Piano and Winds,' and works by Robert Russell Bennett, Walter Piston, and Gregory Tucker.

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Posted in obscure corners of the Institute one finds little signs reading, "Servas Welcomes Foreign Visitors."

There is a story behind these signs, with a scope which is not merely national but which encompasses the globe. Servas, recently conceived, makes available a list of families who have volunteered to be hosts to visitors.

The lists are quite comprehensive and include occupation, interests, languages spoken and a phone number. Contacting the hosts is left to the individuals, and frequently a call from the bus station suffices.

To be accepted as a Servas Traveller one should contact the secretary, Miss Ellen Miller, 189 Hamilton Street, Cambridge; her phone is 868-4885.

There are Servas families in England, France, Germany, the Scandinavian countries, India, and Africa.

7:30 pm — Holy Saturday: Easter Vigil & Mass, MIT Chapel.

8:30 pm — Gus Solomons & Dance Company presented by Dramashop & Dance Circle of Boston. Tickets: \$1.50, \$2.50, \$3.50. Call x2910, Kresge.

9:45 pm — LSC Movie.

**Sunday, April 10**

9:15 am — Roman Catholic Mass, MIT Chapel.

10:00 am — Tech Catholic Club: Coffee Hour, Student Center, East Lounge.

11:00 am — Protestant Worship Service, MIT Chapel.

12:00 noon — Protestant Coffee Hour, Student Center, East Lounge.

12:15 pm — Roman Catholic Mass, MIT Chapel.

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

4:45 pm — Roman Catholic Mass, MIT Chapel.

6:00 pm — Hillel: Passover Service, MIT Chapel.

6:00 pm — Folk Dancing, Student Center, Sala de Puerto Rico.

6:30 pm — MIT Concert Jazz Band rehearsal, Kresge.

8:00 pm — LSC Classic Movie: It Happened One Night. Admission 50c. Room 10-250.

**Monday, April 11**

9:00 am — Hillel: Passover Service, MIT Chapel.

5:00 pm — Concert by Donna Klimoski, soprano, and Jack Ross, tenor. Student Center, Sala de Puerto Rico.

5:00 pm — LSC General Committee meeting, Student Center, Room 407.

5:00 pm — Outing Club meeting, Student Center, Room 491.



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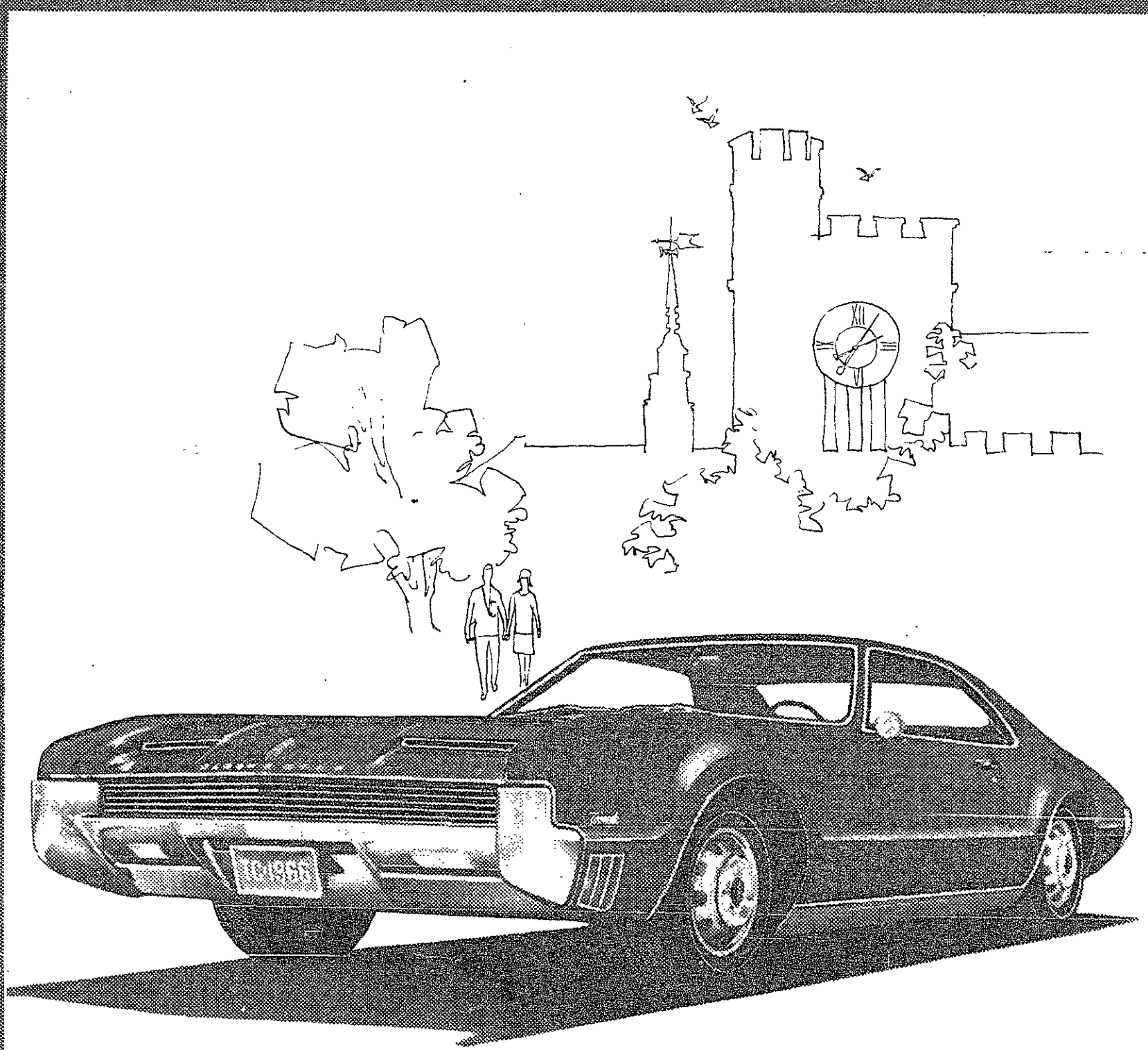
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## James R. Killian, Chairman of Corporation, selected to chair educational TV commission

James R. Killian, Jr., Chairman of the MIT Corporation, has been selected to chair a blue-ribbon commission established by the Carnegie Corporation to study the possibilities for educational television.

The commission was set up as consequence of the \$32,000,000 Educational Television Facilities Act designed to spur the building of educational television stations.

"When we learn to use educational television to its full advan-

tage," says an official of the National Association of Educational Broadcasters, "we'll be in a position to teach almost anybody almost anything."

ETV is emerging as an effective means to tackle the problems of adult illiteracy, the vocational training gap and the nationwide shortage of teachers, nurses and engineers.

Today, ETV can reach two out of three American school children — some 35,000,000 — and can help educate and train nearly 100,000,000 other citizens through their own home television sets.

ETV also exposes many disadvantaged school children to the latest teaching techniques and courses on the new math, conversational French, and advanced science.

## Islip to Fitchburg

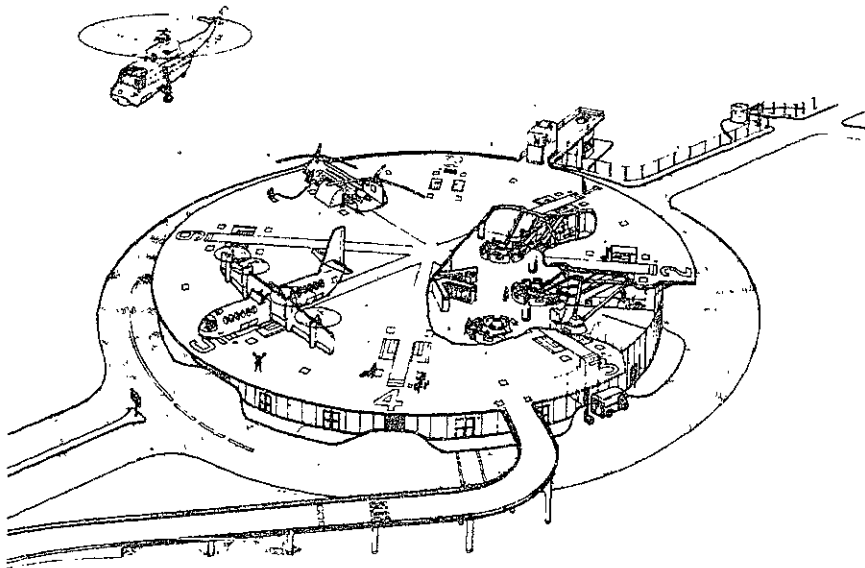
# Short haul air transportation possible by 1980

By Mickey Warren

In a few short years you may find yourself at a little airport in downtown Boston, awaiting to board an "airbus." Destination? It could be New York, or Washington, D.C., but a more likely choice would be Islip, New York, or Fitchburg, Mass.

According to a study conducted for the US Commerce Dept. by MIT, a Northeast Corridor air commuter network with 50 terminals is a good possibility for development during the 1970's. The system advocated by the MIT (VTOL) report included vertical take-off and landing airplanes, either jet or propeller powered, linking 38 population centers of the northeast.

The researchers came to four major conclusions: 1) A short haul air transportation system for the Northeast Corridor could be developed during the 1970-80 period for about 500 million dollars, with fares on the order of five cents per passenger mile. 2) The system would have an all-weather capability to permit operation under 99.5% of weather conditions. 3) Direct operating costs for various types of aircraft would be very close. 4) Indirect costs fa-



A major city center terminal such as depicted above would occupy very little space and could be located in a downtown area. The airplanes seen are VTOL (Vertical Take Off and Landing) crafts, the most practical for such a port.

vor the use of VTOL aircraft.

### Only 65 Aircraft needed

A maximum of 65 aircraft was suggested by the report. This number would be sufficient if the time spent at the "airports" between flights could be cut to 5-10 minutes. This would increase the efficiency of the aircraft and substantially decrease direct operating costs.

The optimum number of passengers, according to the study, would be 80. The aircraft would have a maximum speed of 400 mph for the propeller type, and 450 mph for the jets. The planes, weighing less than 30 tons, would have a 16,600 lb. payload

### Special problems

As an added safety feature for VTOL operations, it may be necessary to develop an engine with a special "emergency rating," which would permit at least a 20% increase in thrust for a short period of time. This would give a safety margin if difficulties in lift occurred at low altitudes.

Even if such an engine could be produced (Engine manufacturers are not optimistic about the possibility), use of the extra power would necessitate removal of the engine due to excess heat stresses.

Instead of the present trend of locating major airports amongst the outskirts of large cities, "airbus" terminals would be located in the midst of cities, small and large. VTOL terminals would take up only two acres of land for all but the largest cities. As presently planned, New York would have two major terminals, one near Wall Street, and the other in Midtown, near the Pan Am Building. Boston and Washington would have one major terminal each. All other cities on the routes would have smaller terminals, right down to the proposed Fitchburg, Mass. terminal with a capacity of one plane per day.

### An integrated transportation system

Key Commerce Department officials admit the sorry state of public transportation in the Northeast Corridor. Along with the MIT study on Short Haul Air Transportation, the US is subsidizing other studies in the field of transportation. High speed trains from New York to Washington, and New York to Boston have received a great deal of consideration, as well as the improvement of the interstate highway system. (See The Tech, Jan. 7, 1966).

Each type of transportation is particularly suited for only part of the transportation needs of the northeast. The Commerce Dept. foresees airlines playing the major role in commuter service, but realized that only an integrated system of rails, highways, and airplanes can give the Northeast Corridor the type of transportation system it deserves and needs.

## Tech Coop runs April art exhibit

By Geoff Russell

An April art exhibition will be held in the Tech Coop from April 9 to April 23. Included in the exhibit will be paintings, prints, and sculpture.

Alexander Zavelle, Coop manager, said that the exhibit will be free to the public, and will be open during regular store hours, 8:50 until 5:30.

The Cambridge Art Association, which is sponsoring the display, is a non-profit organization composed of artists and prominent citizens who wish to encourage the growth of art as an important part of everyday life.

Previous exhibits by the association have included works by Lyonel and Lux Feininger, George Biddle, Charles Hopkinson, Horace Armistead, Carl Nelson, and other significant artists.

Officers of the association have expressed the hope that display can become an annual event.

## Sole, Ramers to attend model UN conference

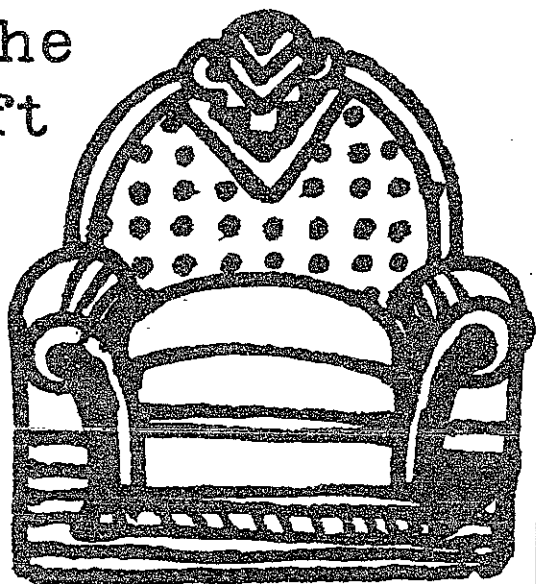
John Sole '68 and Bob Ramers '67 will participate in the Model United Nations Security Council at Hollins College, Va., April 7-10. They will play the roles of delegates from Cuba, one of the complaining nations.

Also expected are delegates from six other eastern colleges.

Keynoting the Model Security Council session will be Lord Caradon, Minister of State for Foreign Affairs and permanent United Kingdom representative at the United Nations.

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**Best of US teams**

# Chess Team compiles impressive record

By Bob Wolf

Locally, and in national intercollegiate circles, the MIT Chess Team has gained a reputation as "the team to beat." Although several of its strongest players are inactive, the great depth among its active players gives it consistently winning teams. Last year the team became champion of the Boston area by winning the Championship division of the very strong Metropolitan Chess League, which included teams from Harvard, the Boylston Club and the Cambridge YMCA. The five-man team was led by Carl Wagner, 1963 New England Amateur Champion, and Larry Kaufman '68, 1965 Massachusetts champion. The team's depth was supplied by Bob Wolf '66, Dave Drumm '68, Wayne Porter '67, and Bill Walker '68.

**Eastern US champs**

This year the team easily won its first tournament, The Norwich University Invitational in October. But the important fall event was the Eastern Intercollegiate held at Penn. State in November. MIT sent six players. Larry Kaufman finished with a perfect 5-0 score to win the individual championship. Bob Wolf finished with 3½-1½, and Harry Cohen '66, and Bob Gwartzman '68, each finished 3-2, to give MIT a four-man team score of 14½-5½, tied for first with Cornell. By means of a tie-breaking system, MIT became the Eastern Intercollegiate champions.

But the climax of the chess season occurred over the holidays when seven Tech players invaded Fordham U. to compete in the National Intercollegiate Tournament. In the eight-round event, Carl Wagner and Larry Kaufman placed 6-2, and Dave Drumm and Bob Gwartzman placed 5-3, to give MIT a 22-6 four-man team score. Although placing second to the U. of Toronto, they placed ahead of all the US teams, including Yale, Wisconsin and Penn.

The team again went to Norwich University in Vermont, March 4 to play in the New England Intercollegiate. Hoping to find a strong field, the team was disappointed to find that only three weak teams had entered. Then the team discovered that the Vermont State Championship was being held at the same time, in the same room. Both tournaments had six rounds, four scheduled simultaneously. Certainly, no one had ever played twelve games of tournament chess in a weekend, six in one day, playing two opponents simultaneously. But the entire MIT team entered both tournaments.

**Chess "first"**

The results? In the intercollegiate event, MIT finished with a perfect 24-0 score. (The team received a trophy and individual prizes of five cents each). In the Vermont championship, the Tech players finished first, second, sixth, and seventh, giving up only two losses and one draw to non-

MIT players. Bob Wolf, with 5½-½, became the Vermont champion by drawing with Larry Kaufman, the tournament favorite, in the last round. Kaufman, having given up another draw, finished second with 5-1, and Dave Drumm and Bob Gwartzman finished 4-2 to split the "Class A" prize.

Chess at MIT is played "for blood," but it is also played for fun every Saturday and Sunday in the Mezzanine Game Room of the Student Center. Speed chess, exhibitions and tournament play, including a newly-formed "B" team, make the club an enjoyable activity for masters and "potzers" alike. For further information contact Bob Wolf, dl 8390 or Dave Drumm, dl 0824.

# Course II offers SB without field designation; planned electives allow for 'well-developed goal'

The Department of Mechanical Engineering has become the first department to offer the degree of Bachelor of Science without designation of field. disciplinary boundaries have been obscured and that many excellent curricula can be designed which cut across accepted patterns."

According to Professor Ascher H. Shapiro, Head of the Mechanical Engineering Department, "This interesting new development, which has just now been authorized at MIT, is in further

On innovation of this degree, as offered by the Mechanical Engineering Department, is a group of planned electives. These will be "a coherent selection of at least five subjects . . . aimed at a well-developed educational goal." These electives have to be agreed upon by the department.

## Keenan to receive honorary doctorate

Joseph H. Keenan, Professor of Mechanical Engineering, has been notified that he is to receive the degree of LL.D (Honorary) from the University of Glasgow this June.

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Lenkurt's new Journal Data Transmission transmits "hotbox" information instantly so railroad controllers may stop trains before costly accidents occur.

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**GENERAL TELEPHONE & ELECTRONICS**

**By Mickey Warren**  
Those of us who feel cheated because they do not have a nose that is too large, and thus cannot have a nose job, can rejoice. Doctors at the University of Michigan have perfected a technique whereby cartilage or plastic can be surgically added to a nose. This advance permits persons with "saddle" noses, or just very small noses, to enjoy the benefits of a normal nose. The operation

could, I assume, be performed on those people with normal noses, so that they too, can have the chance to have a REAL nose job.

The Student Council of Northeastern University voted to investigate the charges of censorship made by an NU professor of English in a letter to the school newspaper. The professor charged that extreme pressures were brought to bear on him by the NU administration after he allowed the reading of a student written story in his class. The story contained a four letter word. The Dean of Students had vigorously opposed the Student Council investigation in a stormy ses-

sion, telling reporters that his remarks were "not for publication."

**The Skateboard Hunt**

The Ohio State North Campus Student Assn. voted to investigate complaints of late evening skateboarding on the campus. Residents of a dormitory have complained that the noise is distracting during study hours.

In an article about student evaluation of teachers, The Virginia Tech (VPI) quoted MIT's Sanborn C. Brown (Associate Dean of the Graduate School) as follows: "Any sensitive teacher is well aware of what his students think of his teaching, and department heads soon find out who their good and poor teachers are whether or not there is a formal evaluation system."

**Fulani Grammar**

An MSU professor has received a grant of \$41,500 from the US Office of Education to produce a grammar in the Adamawa dialects of the Fulani languages. Fulani is spoken in Northern Nigeria. How many speak the language is not known exactly.

**US Students Gyped!**

... According to foreign students in Midwestern Colleges, US students are not given the privileges and respect that go with being a college student in other nations. In Morocco, for example, by showing a University registration, one can get a sumptuous meal for twenty five cents, and free tickets to the theater or opera. In the words of one foreign student, "In the US, everyone seems to be out to take advantage of the student." Amen.

**By Linda Sharpe**

The addition of the Honorable F. Bradford Morse, congressman from Massachusetts' Fifth District, and the creation of a panel on East Cambridge completes the plans for the Urban Challenge Conference program.

Congressman Morse will give the keynote address at 8:30 pm Friday, April 15. Morse is Vice Chairman of the House Republican Task Force for Urban Development. He was first elected to the House of Representatives in 1960 from the district which includes Lawrence, Andover, Lowell, and a number of smaller Middlesex County suburban towns.

East Cambridge, the area adjacent to MIT, has been beset by a number of problems, including the proposed Inner Belt. The panel Saturday morning will include people that are intimately involved with this area. The members include Mrs. Elsa Baldwin, direc-

tor of the Cambridge Neighborhood House, Mrs. Constance Williams, associate planner on the Cambridge Planning Board and two residents of the area. The examination of East Cambridge will demonstrate for the delegates the practical considerations of the urban affairs that they will have been discussing academically. This case study involving the very residents of an urban area, the people with the highest stakes in the solution of The Urban Challenge, will, it is hoped, provide a fitting culmination of the Conference.

The speakers on the Future Metropolis, Prof. Leonard J. Fein and Mr. Wolf von Eckhardt of the Washington Post, will present speeches entitled 'Race and the Metropolis,' and 'Man and his City — The problem of identity in the future metropolis.' These speeches will be presented Wednesday evening, April 13.

**MIT Instrumentation Lab awarded Poseidon contract**

Contracts totalling more than one million dollars for the new Poseidon missile's guidance system, to be developed by the MIT Instrumentation Laboratories with industrial support from General Electric and Raytheon, were awarded Friday by the Navy's Special Projects Office in Washington, D.C.

The industry-university team is the same which supplies guidance

for the Polaris fleet ballistic missile system.

The system consist of two major subassemblies, the inertial platform and the guidance computer with associated electronics. GE is working with MIT on the platform and on assembly and tests of completed systems. Raytheon's Space and Information Systems Division is working on the computer and electronics.

Like Polaris, Poseidon will be fired from a submerged nuclear-power submarine. Also like Polaris, the new weapon will be able to reach virtually any spot on earth.

**Completely New Design**

Although the inertial guidance for Poseidon is completely new design with a more complex task to perform, it will be only slightly larger in size and weight compared to the guidance system for the A-3 missile, the most advanced Polaris missile.

The computer portion of the Poseidon guidance package, for example, in order to handle the requirements, will be much more powerful, but only slightly larger in volume—due primarily to improve techniques of fabrication and assembly.

The Poseidon missile will be about six feet in diameter and 34 feet long, as opposed to the four and one-half foot diameter and 31-foot length of the advanced A-3 Polaris weapon.

**Fine Tolerances**

Utilization of extremely fine tolerances and advanced fabrication, assembly and testing techniques throughout the production cycle will assure highly reliable operation.

Although it will be slightly larger than the Polaris A-3 guidance system, the Polaris guidance package will remain one of the smallest systems of its type in use in ballistic weapons.

President Johnson has said that the Poseidon will be eight times more effective than the A-3. He said it will have twice the payload of the Polaris and more than twice the accuracy. Special Projects Office, which directed Polaris development, also is the weapons system manager for Poseidon.

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**Seven lettermen lost**

**Heavyweight crew opens; first race with Boston U.**

By Chuck Hottinger

The MIT heavyweight oarsmen open their 1966 racing season Saturday on the Charles with a race against Boston University. This year's Tech squad, rowing in the traditional opening contest of the year against the Terriers, is greatly changed from last season. Coach Frailey's heavies lost seven lettermen to graduation from last year's squad, which finished sixth in the Eastern Sprints and a disappointing eleventh in the I.R.A.

**Rowing Style Revamped**

Changes in rowing style besides changes in manpower have taken place during fall and winter practice. Semester break saw the heavyweights travel south to Florida for pre-season training. Preliminary contests during the trip gave the engineers two wins over Rollins College, and a 1-1 tally against Jacksonville University. Coach Frailey devoted spring

vacation to polishing up the new style and to working out the final combination for the season opener.

After the BU contest Saturday, the engineers travel to New York for a dual meet with Columbia, and, for the first time, Northeastern University. Tech hosts Yale Apr. 23 for the last time in a six-year series. Last year's contest went to the engineers to give them a thirteen second victory and their third varsity win in five years over the Eli's.

**Kalla at Stroke**

The engineers will probably open with junior Dennis Kalla rowing at stroke and with captain Keith Stolzenbach '66, Tom Rice '66, Vic Nedzilintsky '66, Bruce Lindorf '67, Jim Duclos '67, Joel Robinson '68, Bill Nelson '68, and coxswain Dennis Overbye '68 manning the varsity boat. Saturday's competition starts with the frosh race at 4:20 p.m., followed by the JV at 4:45 and the varsity at 5.

**Sigma Delta Psi classes still open for registration**

Registration is still open for Sigma Delta Psi, the national honorary athletic fraternity. For those not familiar with the program, it is offered as a part of the physical education program, with full credit given for participation. Those wishing to register should see Gordon Kelly or Ed Crocker of the physical education department.

In order to qualify for membership, a candidate must meet certain established standards of physical fitness for fifteen events, covering such areas as track and field, swimming and gymnastics. A varsity letter or intramural championship may be substituted for one event.

The classes will consist of exposing students to all the activities in the program in order to aid them in meeting the requirements. The test items and their minimum requirements are listed below.

1. 100-Yard Dash—11.6 seconds.
2. 120-Yard Low Hurdles—16 seconds.
3. Running High Jump—Height-Weight Classification.
4. Running Broad Jump—17 feet.
5. 16-Pound Shot Put—30 feet or Weight Classification.
6. 20-Foot Rope Climb—12 seconds or Golf Test.
7. Baseball Throw—250 feet. or Javelin Throw—130 feet.
8. Football Punt—120 feet.
9. 100-Yard Swim—1 minute, 45 seconds.
10. 1-Mile Run—6 minutes.
11. Front Handspring—Land on feet.
12. Handstand—10 seconds. or Bowling Test.
13. Fence Vault—Chin high.
14. Good Posture—B standard.
15. Scholarship—Eligible for varsity.

**Frosh sailors first at Tufts; edge Dartmouth in final races**

By Tony Lima

In the freshman nonagonal at Tufts Sunday, the Tech sailors finished first, winning out over a determined Dartmouth team in the last two races. MIT totalled 99 points to clip Dartmouth by 3. They were followed by Boston U. with 90, URI (83), Coast Guard (73), Tufts (63), Brandeis (54), Holy Cross (25), and Boston College 93.

In a 25 knot wind, the Dartmouth team led after the first two races. The engineers grabbed the lead after the second two, but Dartmouth came back in the third round, and held the lead through the fourth. But the Techmen took two firsts in the last two races to give them the come-from-behind victory.

**Lacrosse team defeats Middlebury**

By Neal Gillman

The MIT Lacrosse team opened its home season Tuesday defeating Middlebury in a close, overtime battle by a score of 8-6. This now brings the present record to 3 wins and 2 losses.

In the first few minutes of the game, the team looked careless, failing to concentrate on simple fundamentals. As a result the Middlebury team scored first. Art Von Walburg '67 then tied up the game with a goal by quicksticking a pass thrown by Steve Schroeder '67 over the goalie's shoulder. Middlebury scored twice more before von Walburg hit the nets again on a pass from Tom Chen '68. Middlebury scored once more to bring the score to 4-2 at the half. During this period, the Engineers had plenty of opportunities to score by one-on-one plays with the goalie, but each time the shot was off target.

**Von Walburg hits again**

In the third period, MIT was the first to score, as von Walburg scored his third with a play similar to his first goal. Middlebury then scored twice to give them a three goal margin. This sixth goal was the last by Middlebury. While MIT was holding Middlebury scoreless in the remaining third and fourth period, they were scoring the tying three goals. Peter Kirkwood '66 and Julius Gutman '68 scored one each within a span of ten second. Kirkwood scored coming around the



Photo by Jeff Reynolds

Co-captain Pete Kirkwood '66 is shown on the attack. He contributed a goal to the winning Middlebury effort.

crease, while Gutman scored on a midfield shot during a man-up situation. The squad then tied the game in the fourth quarter as Schroeder drove in from around the crease to hit the nets just over the goalie's shoulder.

**Game tied in regulation**

With a tie at the end of regulation play, the game was extended by two 5 minute periods. The team now had the momen-

tum, all they needed was time. During these periods, the lacrosse men controlled the play, enabling Gutman to score the winning goal in the first overtime period. Von Walburg, however, provided the assured victory with his fourth goal of the game, assisted by Schroeder.

The team's next opponent is Harvard next Wednesday at Harvard.

**Intramural sports**

**Intramural playoffs under way**

By Steve Wiener

Badminton and volleyball IM playoffs are in full swing while the squash finals are slated to begin next week. The top seeded teams have survived their quarter final matches in the double elimination tournaments.

In the badminton playoffs, Ashdown "A" and "B" teams won decisions over Phi Mud and SAE "B" respectively. The victors are seeded first and second. Other first round victors are Baker "A," Chinese Students, Burton "A" and AEPi.

**SAE UPSETS SIG EP**

The volleyball finals saw fifth rated SAE gain a 2-0 triumph

over fourth seeded Sig. Ep. Top ranked Ashdown "A" saw action last night against second seeded Club Latino, which had remained undefeated by downing Sigma Alpha Mu. In other major league playoff competition, Chinese Students beat TEP 2-0 and third seeded Club Mediterranean vanquished Baker "A" by the same count.

The squash playoffs begin next week, when the top two teams in each league will battle for the title. Undefeated squads at this point include Ashdown and Meteorology in the graduate division and Landa Chi, NRS, Burton, Baker, ZBT, AEPi, and SAE.

**Sailors do poorly at Kennedy Cup, finish sixth in ten school regatta**

By John Kopolow

The varsity sailing team suffered a disappointing opening week for their 1966 spring season. Besides finishing fifth in the Geiger Cup meet last weekend, the sailors could do no better than fifth out of ten schools in the Kennedy Cup Regatta held at the Naval Academy in Annapolis, Md. Finishing ahead of Tech in order were Navy, URI, USC, and Stanford.

The wind blew at 40 knots Saturday making Chesapeake Bay very choppy. In the only race held that day team captain Terry Cronberg '66 skippered and took a third behind URI and USC.

On the following day the breeze died down to about 12 knots, but in the first race a misplaced marker caused MIT to take a longer route, resulting in a sixth place finish. In the next race Cronberg came back to finish a strong third; however, in the third and last Tech's chances were crushed when an unexpected puff

of wind took its boat into another which had the right of way, causing MIT to foul out. Sharing the crewing duties were seniors Joe Smullin, John Turner, and Mike Johnson, juniors Chet Osborne, Joe Ferreira, and Tom Maier, and sophomore George Foote.

This weekend here on the Charles the sailors will participate in the Boston Dinghy Cup in which they took a third last year.

They will be trying to regain the success they had last fall when they won eight of their twelve regattas.

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**How They Did**

**Baseball**

BC 8, MIT (V) 3

**Lacrosse**

MIT (V) 8, Middlebury 6

**3 errors mar game**

**Boston College downs Tech nine, 8-3**

By Tom James

The Tech baseball squad dropped its third game of the season 8-3 to Boston College. Coach John Barry's nine errored three times and hurled four wild pitches to bring its record to 1-3.

The bulk of the engineers' runs

came in the second, as Jeff Altman '67 led off with a single. Tom Hood '68 reached first on an error and was forced at second in a fielder's choice by Rick Papenhausen '67. Jim Reid '67 then banded out a hit, scoring Altman and sending Papenhausen to third.

Another fielder's choice by Tom Bailey '66 scored Papenhausen.

A single by Ben Gikis '66 in the ninth eventually put him on third and allowed him to score Tech's other run on Papenhausen's sacrifice.

MIT posted seven hits, all singles. The only engineer to get more than one was Altman with a 3 for 5 record at the plate.

But the story of the game really lies in errors and wild pitches. Four times BC runners reached third on a combination of errors, wild pitches, and stolen bases. All four of these runners scored. Starter Ed Richman '67, charged with the loss, worried about his pitching and not the runners at first, consequently allowing several steals.

Richmond allowed four earned runs in as many innings before he was replaced by Bob Kiburz '68 in the top of the fifth. Hurlers Bill Dix '67 and Papenhausen also saw action on the mound in the engineer nine's first home contest.

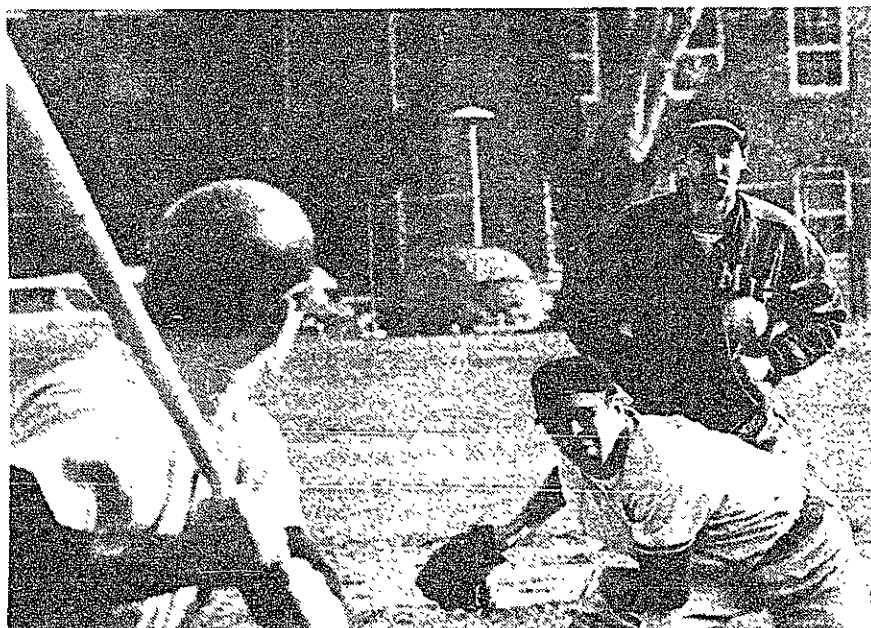


Photo by Jeff Reynolds

Ed Richman '67, MIT's ace southpaw, is shown throwing against Boston College. Tech lost the game, 8-3.