

Vol. 86, No. 49

Cambridge, Massachusetts, Friday, December 2, 1966

Five Cents

## Talks set for Saturday

# Inscomm meeting to probe future of student housing

By Karen Wattel

The Institute Committee is holding an all-day conference on student housing tomorrow. This is the second such conference, which supplements the now monthly meetings of Inscomm. The use of a partial pass-fail grading system was the topic of the first conference, which 24 people attended.

### Residential Campus

Topics scheduled for discussion at tomorrow's meeting revolve around the concept of the Institute as a residential campus, the type of living group most conducive to co-curricular education, the programming for co-curricular education, and input for the future of student housing.

Other questions tentatively slated for consideration are as follows: Will undergraduate population remain stable? How will the "New type of person coming to MIT" affect the future of housing? What are the advantages and disadvantages of having all Institute-owned undergraduate housing on West Campus?

### Community Relations

Also on the flexible agenda are the following questions: How will community relations (with Back Bay, Cambridge) affect the future of housing in the long run? How would or will a "dormitory rush" affect the distribution of people in houses? What affect will the new and renovated dormitories have on this distribution? What type of short-range or long-range programs can be undertaken to make

housing better fulfill its educational objectives (e.g. classes in houses)?

Among those attending this conference are Professor Alan Lazarus (of the Committee on Students) (Please turn to Page 3)

## Laser rock breaking makes nationwide news for two sophomores

MIT's two "rock-busting" sophomores spent twelve hours Wednesday demonstrating their techniques to ABC and CBS network news services and the UPI news film service. The two students, Robert Gladstone '69 and Anthony Kettaneh '69, have done research with lasers that may lead to a revolutionary process of excavation and tunnel digging.

The films will be broadcast over national television. (See The Tech, Nov. 18.)

### Used Raytheon laser

The demonstration was given at the Raytheon Research Laboratory in Waltham, Massachusetts, with the continuous infrared gas laser that was used in experiments. The research was carried out with the extensive cooperation of Dr. David R. Whitehouse of Raytheon, who is the developer of the laser.

The laser itself is a continuous, one kilowatt carbon dioxide gas laser, which puts out an invisible infrared beam with a 10.6 micron wavelength. The laser is twenty meters long.

The fact that a laser could be made to crack hard rocks, such as granite and marble, is regarded as a significant discovery, for it will enable excavation that might otherwise be almost impossible. It has been suggested that a laser be used in digging Project Transport's 450 mile long tube between Boston and Washington.

### Makes national press

The story has received full coverage in many national newspapers, including full spreads in the Boston Globe, write-ups in (Please turn to Page 3)

## Vice President spotlight

# Treasurer of the Institute



Joseph J. Snyder, Vice President and Treasurer of the Institute.

By John Corwin

(The following is the fifth of a series of six articles based on interviews with each of the Vice Presidents of MIT.)

"The management and allocation of the existing resources of the Institute to the present and continuing programs of the Institute" is the most important area of concern for Joseph J. Snyder, Vice President and Treasurer of the Institute.

In particular, Mr. Snyder provides "assistance for those who are seeking new funds for new programs," referring most frequently to President Johnson, Chairman Killian of the Corporation, and Vice President Vincent Fulmer.

### Budget committee

Mr. Snyder, a member of the MIT Budget Committee, may send a recommendation to the President, who is also Chairman of that committee. The committee membership also includes the school Deans, the Provost, Vice President Kispert, and Paul Cusick, Comptroller.

Mr. Snyder is an ex-officio member of the Executive Committee, the Investment Committee, and the Development Committee of the MIT Corporation. The Investment Committee, of which Mr. Snyder is presently Chairman, is concerned with the investment policies guiding the day-to-day management of the Institute's investment portfolios in the Office of the Vice President and Treasurer.

A major concern for the Treasurer is, of course, the annual budget. The operating budget of MIT runs close to \$200,000,000, of which \$45,000,000 is academic, another \$45,000,000 for the Division of Sponsored Research (DSR), and over \$100,000,000 related to

(Please turn to Page 10)

## Cambridge Corporation assists development of low-rental housing

By Mark Bolotin

The Cambridge Corporation, chartered in March as a non-profit, privately supported development corporation aimed at assisting in developing low-rental housing, has set itself working diligently to solve some of Cambridge's many housing problems.

### Housing Shortage

Mr. Oliver Brooks, President and Chief Executive Officer of the Cambridge Corporation, as well as former Vice President of Cleveland's University Circle Development Foundation, discussed some of the reasons for a housing shortage in Cambridge.

Primarily, Cambridge is considered "an attractive place to live." Also, with so many schools in and around Cambridge, there are a large number of students and faculty who want to live near school. These people must compete with the permanent residents for housing space, which is quite limited since Cambridge is an old, well-established city with little space available for expansion. This housing shortage

would be compounded further, if the Inner Belt is built through Cambridge. The proposed Brookline-Elm route would displace about 1500 families.

### Land Too Expensive

The Cambridge Corporation is seeking to alleviate this housing shortage by providing housing for families of low or moderate in-

(Please turn to Page 2)

## Townes advocates change in birth control doctrine

Dr. Charles H. Townes, provost of MIT and Nobel Prize winner for research in quantum electronics and the development of the Maser-Laser, was one of 85 of the world's religious and scientific leaders from 20 countries who sent an appeal to Pope Paul to change the Catholic church's stand on birth control.

### Changing conditions

They stated that "man's responsibility to the next generation includes a primary duty to limit

that generation's size." They consider it "the mark of great religions and the obligation of great leaders to recognize that changing conditions demand changing applications of unchanging moral values."

The letter to the Pope said that because of the spectacular increase in the world's population—especially through scientific achievements in saving and prolonging life—"man's future is threatened less by rampant disease than by unbridled production."

### Conscientious regulation

"Therefore," the appeal said, "if future generations are to enjoy the quality of the life made possible through the advances of science, our new moral imperative must call for the conscientious regulation of fertility."

The letter, whose signers included 21 Nobel Prize winners, was sent to the Pope in June. However, its text was not made public until November.

## Old rules still in effect

# Wadleigh, dorm heads to discuss implementation of new parietals

By Gerry Banner

Dean of Student Affairs Kenneth R. Wadleigh is planning breakfast meetings with dormitory house masters and executive committees to implement the extension of parietal hours as ap-

proved by the Academic Council November 22.

In a meeting Tuesday with The Tech, Wadleigh explained that the Council's decision merely extended the limit of visiting privileges and that each dorm will work out individually with him how its own parietals would be extended.

He emphasized that the dormitories must all establish adequate enforcement of guest rules, before the extension can be granted. "The sign-in, sign-out system must work," he further commented.

Wadleigh hoped that the new rules can be implemented for the spring term, but until then the present rules are in effect.

The significant changes in visiting hour limits for members of the opposite sex are:

Hours begin at noon instead of 4 pm on Fridays and before holidays.

Friday and Saturday hours have been lengthened from 1 am to 2 am.

Weekday hours end at midnight instead of 10 pm.

## Old Coop gets facelifting

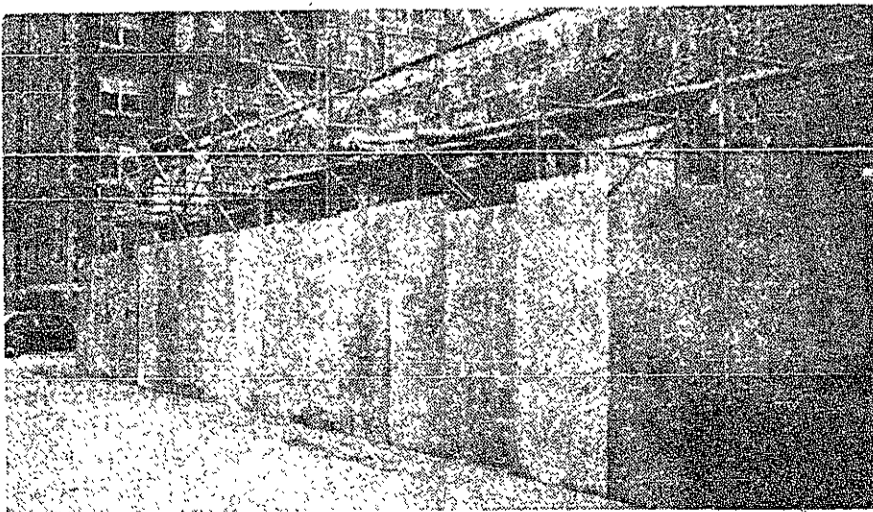


Photo by Lew Golovin

Remodeling has begun on the old Tech Coop, which is now being turned into Professor Gyorgy Kepe's center for visual arts. The center will be moved from its present location on the fourth floor of Building 5.

## Registration material

Registration material will be available to all regular students Wednesday, January 4, from 9 a.m. to 4 p.m. in the lobby of Building 10. After this day, the material may be obtained at the information office. Identification cards must be shown.

Special students and students entering their graduate year whose applications have been approved by the admissions office before December 23 may pick up their registration material at the same time and place as regular students. For approval after December 23, the forms may be picked up at the registrar's office, E19-335.

**Basketball Opener  
vs. Wesleyan  
Saturday Night  
Cage — 8:15**

**Land also expensive**

**Cambridge housing space limited**

(Continued from Page 1)  
comes through federal assistance. However, even with federal assistance, there are obstacles to large-scale housing programs, the major problem is the high cost of land. While there is very little land in Cambridge that is available for less than \$3 per square foot, it is necessary to hold land costs to under \$1 in order to meet FHA price level requirements for federally-assisted privately-sponsored housing.

**Urban Renewal Program**

The most likely solution to the problem of land costs can be found under Title 1 of the Urban Renewal program. Through the Cambridge Redevelopment Authority, areas of "underutilized land not now used for residential purposes" can be obtained cheaper by means of federal subsidies amounting to 2/3 of the land cost. The Cambridge Corporation is now investigating certain parcels of land which might be obtained through urban renewal. However, this method of obtaining land is limited by the political friction that results from any displacement of industry or families on grounds of urban renewal.

**Advice to Neighborhoods**

In addition to providing housing, the Cambridge Corporation tries to advise those people who are trying to improve their neighborhood from within. For example, the corporation has been providing continuous staff advice to the Wellington-Harrington Citizen's Committee in relation to urban renewal already being undertaken by the federal government in their neighborhood.

Another area being given consideration by the Cambridge Corporation is Neighborhood Four, which, as a neighborhood has been striving hard to better itself, has been the subject of much study, including a major portion of the "Urban Challenge" conference held at MIT last Spring. Neighborhood Four is a prime example of what the corporation is trying to encourage — a homegrown organization that has been guided by the Cam-

bridge Corporation "in the refinement of its own self-generated plans for future development."

**Neighborhood Four**

In Neighborhood Four, one of the specific problems hindering the community is a conflict of interests between the residential and industrial segments of the neighborhood. Although industry's demand for land is a traditional threat to the security of the homeowners, this problem has recently been heightened by demands for parking space. However, intervention by the Cambridge Corporation solved this problem by effecting a compromise through which the Polaroid Corporation released some land which is to be used for playgrounds and other neighborhood facilities.

The corporation also tries to aid Cambridge by analyzing more general aspects of redevelopment. With other organizations, it devotes "time and energy to the necessary planning processes for Cambridge as a whole." It studies closely federal programs, such as Urban Renewal and Demonstration Cities, to discover how Cambridge can avail itself of federal aid.

**"Catalyst"**

Mainly, the Cambridge Corporation tries to act "as a catalyst," rather than a sole supporter of development programs. Exemplifying this role as a catalyst is the corporations' role in providing low-cost land through urban renewal. This action is being undertaken jointly with the Interfaith Housing Corporation of Cambridge and the interfaith Housing Corporation of Boston.

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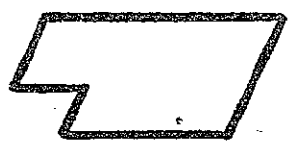
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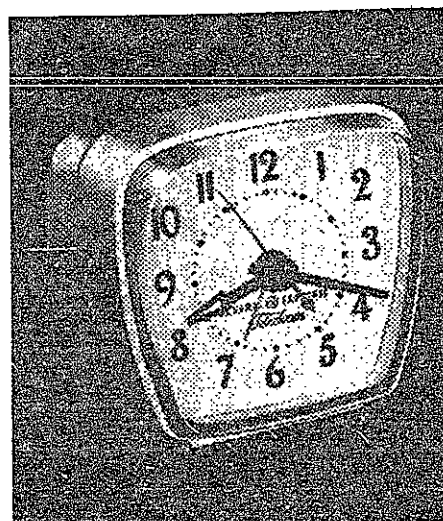
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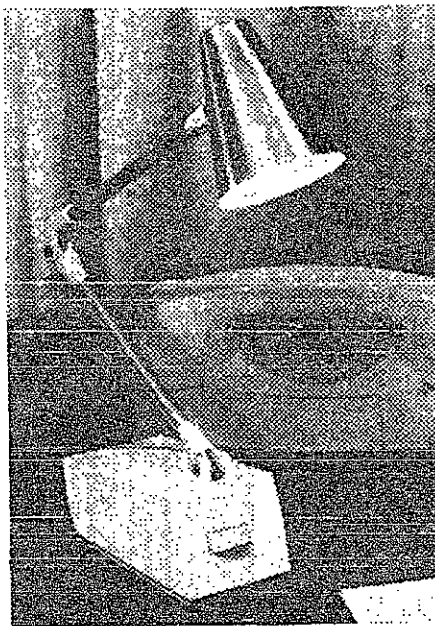
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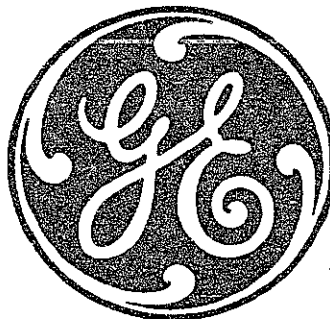


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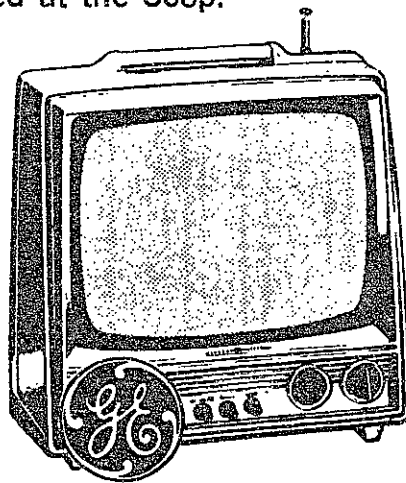
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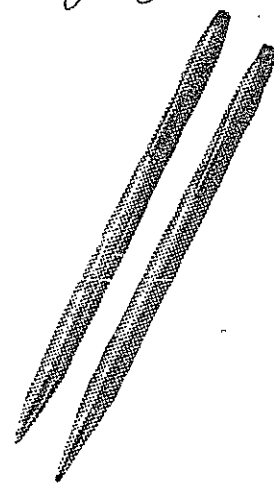
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# Cambridge hires planner

By a 7 to 2 vote, the Cambridge City Council Monday night created the position of Community Planning Coordinator and City Manager Joseph A. DeGuglielmo immediately named Cambridge resident Justin Gray to the \$18,750 a year post.

Presently working for the Institute of Public Administration in New York, Gray has been commissioned to draw up a "master plan" for Cambridge after first surveying the city.

Will consult with MIT  
Gray will consult with both MIT and Harvard officials before drawing up his plan, which will hopefully be ready in about eight months.

His job, as described by DeGuglielmo, is to study the problems of Cambridge, "come up with a workable program, and

then go to Washington and secure for our city . . . Federal monies to implement the program."

Thus the post will try to develop an integrated solution to Cambridge's problems. For, since Federal programs have become more complex, and begun to interlock with each other, the government has been more and more interested in developing complete solutions to community problems.

### Too much paper already?

Planning Director Alan McClennan said that this situation "justifies hiring a full-time man . . . so that he could correlate all federal programs and bring all municipal departments together."

City councilman Edward Crane, one of the two voting against the proposal, argued that too much planning was being done in Cambridge, and too little action was taken on it. He pointed out that Cambridge has had 20 different surveys made in the last 10 years, and that such projects as the Kennedy Library, the Kendall Sq. NASA project and the Inner Belt have given Cambridge too much paper to digest already, and that the Federal money of the future might well wait until present projects are complete.

# Professor's study warns of weak federal system

By Carson Agnew

A report issued by the bipartisan congressional Commission of Intergovernmental Relations and prepared by an MIT faculty member has warned that the Federal System might be severely weakened unless the states are able to increase their role in solving urban problems.

Bernard J. Friedman, Associate Professor of City Planning, who prepared the report for the commission, showed that the minimizing of "state participation in urban affairs" effectively removed critical issues such as transportation, pollution control, and control of the size and number of incorporated suburbs from the jurisdiction of the states.

### 'Innovation Required'

"Changes in the structure of government within metropolitan areas and innovations in rela-

tions between the Federal Government, the states, and local communities" will be required to overcome the present conflicts of interest and lack of coordination which hamper present efforts, according to the report.

It also pointed out that, since three-quarters of the population of the United States will reside in urban areas by 1980, the government will be called to furnish many necessary services on a vast scale. When state governments cannot or will not solve the problems these requirements present, they become the domain of the Federal government by default.

### States Possess Power

Yet the states possess the Constitutional power and the financial ability to administer to projects which the Federal government might carry out less efficiently.

The report contained many specific proposals, such as state legislation to limit the zoning powers of small suburbs and limit the incorporation of separate units within urban areas, pointing out where state authority is needed and can be exercised.

# Course I project led to discovery of laser tunneling

(Continued from Page 1)

two papers in Beirut, Lebanon (Kettaneh is Lebanese born), and Business Week and Engineering News Record.

The discovery was part of a project for 1.10, an introductory Civil Engineering Laboratory. Gladstone and Kettaneh worked with Professors R. Brady Williamson and Fred Moavenzadeh, and Frederick J. McGarry, head of the materials division of Course I.

This rock fracture research program is sponsored through the Division of Sponsored Research by the US Department of Commerce.

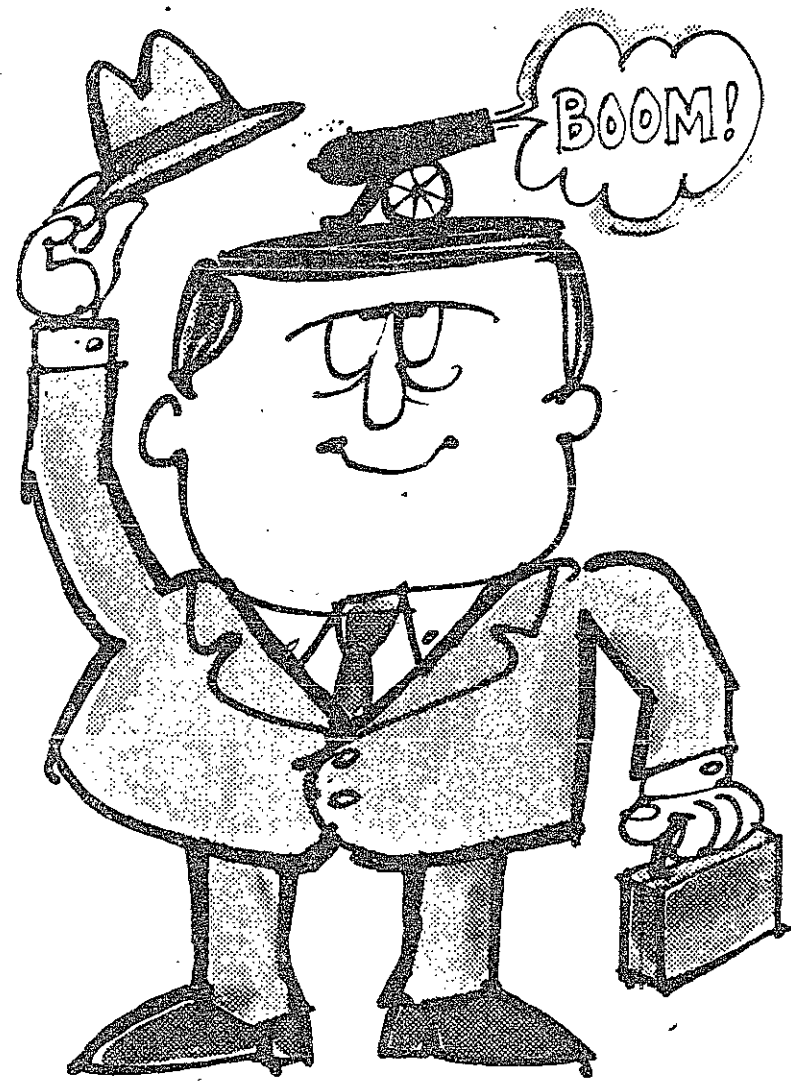
# Corporation represented at housing conference

(Continued from Page 1)

Environment), Deans Wadleigh, Gray, and Holden, D. Reid Weedon, Jr., '41, member of the Corporation, and chairman of the Corporation Visiting Committee on Student Affairs, Prof. David C. White, Master of Burton House, Bob Simha, Administration Planning Officer, Professor Thiel D. Poole, Acting Head of Course XVII, and Incomm members.

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# Walking is fun

Not all MIT undergraduates agree with the title line of this editorial; but if the Cambridge City Council has its way, they will all be introduced to the joys of hoofing it through four years of college.

Earlier this month the City's governing body passed an Order in Council asking MIT, Harvard, and Radcliffe to forbid their undergraduates to own and maintain cars in Cambridge. An Order in Council is no more than a request from the City and is not legally binding. Therefore it appears unlikely that the Institute will do much more than ignore the City Council's action.

However it's not so clear what the administration could do in the face of a law to the same effect. The constitutionality of a law which singled out non-resident students would be suspect, but there is at least the possibility of the City Council being able to make it stick. Faced with such an ordinance, the Institute might very well be put into a situation where it would have to crack down on cars owned by undergraduates living in Boston as well as those owned by Cambridge residents.

Singling out undergraduate-owned cars as the cause of a significant portion of the City's traffic or parking woes is a questionable judgment. The number of undergraduates at the three schools named is less than ten thousand; we suspect that at most a quarter of them own cars. Many of those who do own cars don't live in Cambridge, and because of the parking problem seldom even drive in Cambridge. Certainly the number of cars owned by graduate students, and maybe even the number of cars driven by local high school students, outnumber the undergraduate-owned autos.

The fact that such a law would be virtually unenforceable should also give the City Council something to think about. Certainly the colleges themselves would be extremely reluctant to try carrying out any part of the enforcement procedure.

The City Council undoubtedly has its hands full dealing with the problems facing Cambridge, but it should realize that irresponsible suggestions or laws aren't really going to help the situation.

# THE TECH

Vol. LXXXVI, No. 49 Dec. 2, 1966

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Front page photo of Memorial Drive taken by Art Kalotkin.

# Footnotes

by Mike Rodburg

124. Though this might not carry with it as dubious a distinction as MIT's indirect role in China's nuclear capabilities (the man in charge was educated here), MIT is playing a role in the Egypt-USSR project known as the Aswan High Dam. Civil engineer Ibrahim Kinawy '31 is in charge of the 27,000 Egyptian laborers and 800 Soviet engineers and technicians involved in this huge undertaking. His official title is Deputy Minister of the High Dam, but he is responsible to bosses in Cairo and Moscow.

125. Coeds have a long tradition of being made of "stern

stuff," and Mrs. Marion Hart '13 is no exception. At 74 she became the oldest person ever to fly solo across the Atlantic. Her single engine Bonanza arrived in London after a start from Maine; there was one stop in Iceland.

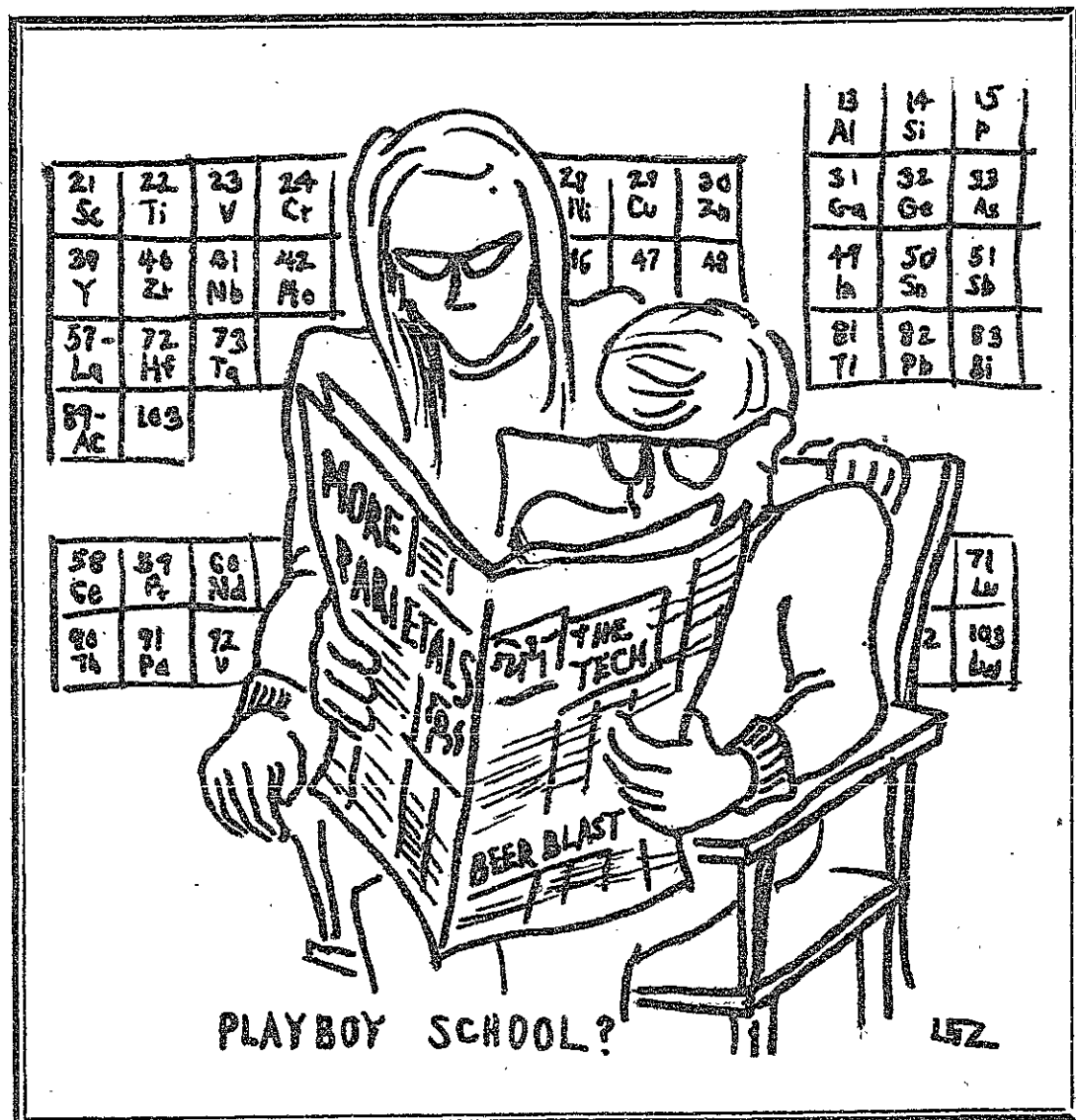
126. This Sunday's New York Times Magazine will feature on the cover a "typical Harvard-Radcliffe bull session." Ha! Those attending the session were hand-picked from the freshman register, but the photographer complained the group looked too bland. He scouted the rooms of Matthews South until he found one adorned with one wall-size collage of nudes; it served as background.

But the group was still not right; too clean-cut. One member was instructed to remove his shoes; another had to put his feet up on the desk.

Thus, the public will not be disappointed when it reads the cover story of the NY Times next week.

127. Moderator magazine had a few urbane remarks to make about drugs on campus (it is now considered only a page two story on campus papers). At Boston College several students on an LSD trip concluded that God resided just beyond the acoustical ceiling tiles. They ripped off all the tile but found God was not there; instead, there were two steel beams. They spent the rest of the evening praying to the beams.

Some Harvard students were duped when what they thought was LSD capsules turned out to be a powerful powdered laxative. Moderator remarked, "A trip to the john is better than no trip at all."



## College World

### Sex identified as national pastime; baseball, religion, etc. ruled out

By Leland Shaeffer

Has sex replaced baseball as a national pastime? The people attending a debate at Chicago University several weeks ago now seem to think so. The debate, presented by the University's forensic society as a diversion to the more serious debates, hassled the topic, "Resolved: That baseball is not the national pastime."

The first speaker, Jo "Topless" Spregue, an instructor at Purdue, argued that the real national pastime must be one that can be played both indoors and out, by as few people as possible (preferably two), and with no expensive equipment.

"That's good," countered the opposing team, "because some people don't have much equipment."

"Speak for yourself," came the reply.

Miss Spregue proceeded to rule out several other popular activities as N.P. candidates. Religion was discarded because God is dead; drinking because it "precludes efficient operation, although it does allow one to see things in different lights," and even smoking, since it decreases personal contact. She disliked

football because there is a penalty for holding, and the backfield is not penetrated often enough. Television was considered because it is turned on by a majority of the population.

The first speaker to defend baseball, Miss Avis ("We try harder") Vidal, UC student and veteran of former debates, pointed out that the birth rate is lowest in March, April, and May. "If you count back nine months, you'll find that in June, July, and August everybody must be at the baseball games."

The second affirmative speaker, Ted "Old Man" Jackson, an instructor at the University of Michigan, was met with jeers as he approached the podium. Cries of "Dirty old man," and "Get your hands out of your pockets!" erupted from the audience. Someone replied to the latter, "It's safer if he keeps them there."

Jackson pointed out the following advantages of sex over baseball:

No crowds to boo when you strike out. ("How accustomed are you to striking out?" somebody yelled.)

No practice is required; the first time can be the greatest.

The squeeze play has a greater chance of success, and pitching

and receiving are of equal importance.

Jackson climaxed his argument by commenting that the only thing baseball and sex have in common is that neither ends until the last man is out.

William "No Hit" Snyder, assistant director of forensics at UC, pleaded that, although the affirmative had made their point, "(Their) integrity . . . is so despicable that they deserve to lose." He then proceeded to discuss the femininity of both Miss Spregue and Mr. Jackson.

Miss Spregue wound up the debate with a seductive plea that sex be recognized as the oldest, most enduring, and most widely practiced pastime. No word yet as to who was judged winner.

Shower, anyone?

Russel House might be able to boast of the cleanest men on the Carleton (Ottawa, Ontario) campus — or any college campus, for that matter. A little over a week ago Dean Wendt, a Carleton student, turned off Russel's third floor shower to end a 229 hour marathon. This is five hours longer than the record formerly held by Harvard, The "super-shower" publicized the Carleton Building Fund.

## Letters to The Tech

For a forum

To the Editor:

Several days ago the MIT Students for a Democratic Society presented a "forum" in the lobby of Building 10. As nearly as we could determine, the "forum" consisted of one student standing on a chair and delivering a largely incomprehensible lecture to the passers-by. To those who are used to a "forum" having more than one opinion presented, it was probably a large disappointment.

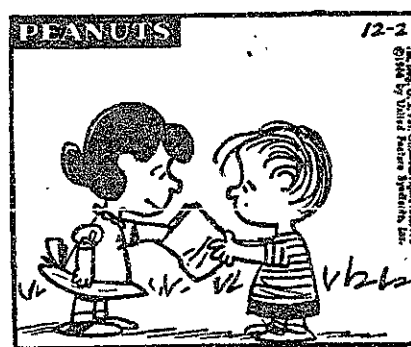
We of YAF feel that a real forum would be profitable. Therefore we challenge the members of SDS to debate us on any topic of current interest upon which our two groups disagree. The House Committee on Un-American Activities might be a good topic to start with.

SDS supports free speech, but do they really have anything to say?

Roy Latham, chm.

Dick Kline, secy.

MIT Young Americans for Freedom



## Xmas assembly set for Dec. 15; Johnson to speak

The annual Christmas Convocation will be held Thursday, December 15, from 11-12 am. All classes will be cancelled during this time.

Frank March, UAP, will preside at the Convocation. President Howard Johnson is to be the principal speaker. There will also be a reading by the Drama Shop. The MIT Logarithms, directed by Prof. Klaus Liebmann, will be singing carols.

Refreshments will be served immediately after the Convocation.

## Green to speak Thursday; XXI Society sponsors talk

Dr. Martin Green of the University of Birmingham will deliver a talk at 8 pm, December 8 entitled 'American Freudians and British Marxists.' The lecture, sponsored by the Course XXI Society, will be given in the Hayden Library Lounge (14E-310). Dr. Green did his undergraduate and post-graduate studies in literature, but began to pursue an interest in science after receiving his doctorate. He has taught and studied at schools and universities in England, Wales, France, Turkey and America.

While he was an Instructor at Wellesley, between 1957 and 1961, Dr. Green studied science at MIT. His study culminated with a book, "Science and the Shabby Curate of Poetry", in which Green attempts to answer C. P. Snow's famous challenge to effect a mediation between the scientific and literary cultures.

Dr. Green is best known in this area for his most recent book, 'The Problem of Boston', a study of the rise and fall of Boston's cultural dominance.

Dr. Green has earned recognition as a critic of cultures and as an expert in comparing cultures from a literary point of view.

## Looking Back

By Mickey Warren

**80 years ago**  
... The annual meeting of the MIT-Harvard football teams took place before a large crowd. MIT, playing without its best players, was outweighed by the Harvard team. Our play was erratic, and they capitalize on our errors. To make a very long story short: Harvard—62, MIT—0. (It's not as bad as it seems. USC lost to Notre Dame 51-0, and they are going to the Rose Bowl.)

### No jock at Yale

... The Chicago Times ran the following story: "A man named Timothy Dwight has been elected President of Yale College. He is said to be a man of considerable

ability, but is entirely unknown in sporting circles.

... A press release from Yale printed in The Tech: "There are four 'Japs' in the Law School." ... The University of the South has its vacation during the winter so that it can save on fuel.

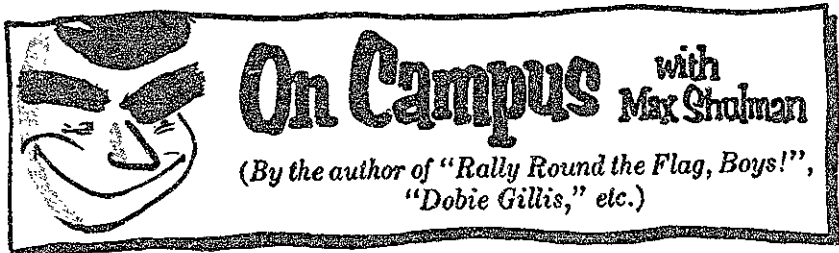
... Also found in The Tech: "Vassar girls are said to be so modest that they will not look at a clothes-line when the clothes are off."

### 60 years ago

... Columbia University adapted a unique method for arousing student interest in scholarships. For every two courses that a student receives a mark of "A," and providing that he has not fallen below a grade of "B" in any other course, the student is given one point. Points are tabulated at the end of the year, and every point means \$5 deducted from the student's tuition. It is possible for a student to save nearly \$60 a year in this way. What a great Brownie-point system.

### Princeton cane spree

... Princeton University had a class rivalry similar to the now defunct Cane Rush, called cane (Please turn to Page 9)



**On Campus** with Max Shulman  
(By the author of "Rally Round the Flag, Boys!", "Dobie Gillis," etc.)

### "M" IS FOR THE MANY THINGS YOU'LL TEACH HER

Nobody will dispute—surely not I—that raising children is a task which requires full time and awesome skills. Nonetheless, a recent nationwide survey has revealed a startling fact: mothers who go back to work after their children are safely through the early years are notably happier, better adjusted, and more fulfilled than mothers who simply remain housewives. Moreover—and mark this well—the children of such working mothers are themselves happier, better adjusted, and more fulfilled!

All very well, you say, but what's it got to do with you? Isn't it obvious? If you are underachieving at college, get your mother a job.

What kind of job? Well sir, your mother is probably between 35 and 50 years of age, so certain occupations must immediately be ruled out. Logging, for example. Or whaling. Or carhopping.

But don't despair. There are other kinds of jobs—not many, to be sure, but some. However, you must not stick Mom in just any old job. You must remember that after the excitement of raising you, she would be bored to tears as a file clerk, for instance, or as a dolman. (A dolman, as we all know, is someone who brings handfulls of water to track layers. With the recent invention of the pail, dolmen are gradually falling into technological unemployment.)

But I digress. I was saying, find Mom a job worthy of her talents, something challenging that uses her vast wisdom and experience but, at the same time, is not too hard on her obsolescing tissues. That's what Walter Sigafos did, and the results were brilliantly successful.

Walter, a sophomore at the Upper Maryland College of Wickerwork and Belles Lettres, majoring in raffia, approached the problem scientifically. First he asked himself what his mother did best. Well sir, what she did best was to keep hollering, "Dress warm, Walter!"

At first glance this seemed a skill not widely in demand, but Walter was not discouraged. He sent out hundreds of inquiries and today, I am pleased to report, his mother is happily employed as wardrobe mistress for the Montreal Canadiens.

Another fortunate venture was that of Frank C. Gransmire, a junior at the Oregon State Conservatory of Music and Optometry, majoring in sties. Frank, like Walter, did a survey in depth of his mother's talents. Chief among them, he found, was her ability to make a roast of beef feed the whole family for three days. So, naturally, Frank got her a job at the Museum of Natural History.

What has one to do with the other, you ask? Isn't it obvious? Anyone who can stretch ribs like that belongs in paleontology.



I cannot conclude this column without saying a few words about Personna Super Stainless Steel Blades. The reason I cannot is that this column is sponsored by the makers of Personna Super Stainless Steel Blades, and they are inclined to get peckish if I omit to mention their product.

Not, mind you, that it is a chore for me to plug Personna. Or, for the matter of that, to shave with Personna. No sir: no chore. Personna takes the pain out of shaving, scraps the scrape, negates the nick, repudiates the rasp, peels the pull, boycotts the burn, blackballs the bite, ousts the ouch. Furthermore, Personna endures and abides, gives you luxury shave after luxury shave, day after day after day. And further furthermore, Personna is available both in double-edge style and Injector style. And as if all this were not bounty enough, Personna is now offering you a chance to grab a fistful of \$100 bills! Stop at your Personna dealer and get an entry blank for the new Personna Super Stainless Steel Sweepstakes. But hurry! Time is limited.

\* \* \* © 1966, Max Shulman

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WARNER BROS. RECORDS

# Kindleberger sees gold reform

Sometime, possibly within the next year, the international banking fraternity will agree on a monetary reform which would create a currency reserve in the free world to supplement the dollar and the pound sterling.

### Problems To Be Solved

After more than two years discussion of the question there remains to be made the decision of which should come first—reforms leading to an increase of global liquidity, or a successful balancing

of payments problems by the United States and Britain. It is hoped that the problems will be ironed out by next September, when the International Monetary and World Bank meetings are held in Rio de Janeiro. Many economists and bankers believe that by then America and Britain will have shown that they can get their trade books in shape.

### Difficulties Expected

Not everyone, however, believes that the United States can proceed with as much ease as is expected by the majority. Professor Charles P. Kindleberger, of the Department of Economics, suspects that the United States will find it difficult to eliminate its deficit, except by "far-reaching and thoroughgoing exchange control." And this is exactly what the world bankers do not want.

Kindleberger feels that the present dollar-linked system is a good one, and one not needing major renovation. He is, however, disturbed when three United States Presidents—Eisenhower, Kennedy and Johnson—act publicly as if the dollar were actually in a crisis. "It is not conducive of trust in a bank to have the president, and officers visible through the front window wringing their hands and bemoaning their institution," he says.

### Proposed Solution

His solution to the problem is to have the United States "get back its cool in international monetary relation . . ." and help to set up an "Atlantic Open Market Committee (like the Federal Reserve) which makes monetary policy for North America, Europe and . . . perhaps Japan."

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## Christmas Choral Concert conducted by John Oliver

The annual Christmas Choral Concert will be presented by the New England Conservatory Chorus Wednesday at 8:30 pm in Jordan Hall. The conductor for the

performance will be John Oliver. Admission will be free.

The program will include 'Ancient French Carols,' Sutermeister's 'Mass in E flat minor,' Bach's 'Cantata No. 150—Nach dir Herr, verlangst mich,' with Diane Luscher, soprano soloist; and Britten's 'Rejoice in the Lamb,' with Patricia Richardson, soprano, Loretta Giles, contralto, William Parberry, tenor, and Mark James Baker, baritone, as soloists.

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 the 'Sala' of the Student Center

# Talking Rock

By Don Davis

It's about time the Hollies made it big. "Bus Stop" was their first song to really make it, even though the very talented British group can boast of a long list of good records.

This history is a rough parallel of the other familiar British groups, in that they began putting out British hits in early 1963 and their records began to be played in America in early 1964. Despite the fact that their records have been superior to those of many of the other British groups, not until "Bus Stop" could they dent America's top 30, although many of these records had gone near the top of Britain's charts.

### Hollies' Early Singles

Their first two British singles were old Coasters' hits, "Ain't That Just Like Me" and "Searchin'," and made it into Britain's top twenty in the first half of 1963. Their first American release came in April, 1964, shortly after the Beatles cleared the path from Britain to America. However, aside from becoming the pick-hit of the week of New York's WABC, their version of Doris Day's "Just One Look" didn't catch on. Then, in June, 1964, came "Here I Go Again," a good song which hit four in Britain but couldn't make America's top 60.

"Look Through Any Window" made Boston's top ten and hit 32 nationally in January, 1966, to become their biggest hit to that point. "I Can't Let Go," released in April, 1966, only added to their American frustration. A number one song in Britain, their only tune to hit the top, this rocker made it all the way to 44 nationally, and I don't remember hearing it in Boston. It was written by Chip Taylor, who also wrote "Wild Thing," a number one hit in both Britain and America. Incidentally, The Troggs, who recorded "Wild Thing," got their name from "troglydite," meaning "one who creeps into

holes or caverns" or "walks in caves," and considering their primitive sound, it is an appropriate name.

### Hollies Finally Made It

Then, in September, "Bus Stop" hit five in America (three in Britain). It was too good not to make it, given a little airplay in the right places, and it got that. It was written by Grahame Gouldman, who also wrote "No Milk Today," a current British hit and probably a future American hit for Herman's Hermits.

"Stop Stop Stop," their current hit, is the first to have the advantage of having a name artist behind it. It peaked out at 2 in Britain and is near its peak at 13 in America. It was written by three of the five Hollies. They had written most of their previous B-sides, but this was the first time they chose one of their own compositions as an A-side. The Everly Brothers have recently recorded an album of Hollies' compositions, but Don and Phil don't sell so well any more. "Stop Stop Stop" is the humorous tale of a guy who gets bounced from a night club because he knocks over tables and drinks in response to the belly dancer.

Gossip of the week: Graham Nash, the Hollies' rhythm guitarist and vocalist, has been dating big Mama Cass Elliot steadily for some time.

### Beatles' Status

Everybody wonders what's happening to the Beatles. They haven't recorded recently because John Lennon has been busy in "How I Won the War," the Richard Lester film in which he is appearing without the other Beatles. They are expected to have a single out in January and an album in March.

Hoping to be able to lead more private lives than before, they have said that they will tour no more. However they have been offered \$500,000 for two performances in Shea Stadium this summer. They got \$160,000 last summer.

## Movies and theatres

### MOVIES

- Astor—'Alfie,' 9:45, 11:45, 1:45, 3:45, 5:45, 7:45, 9:45; Sun. 1:30, 3:30, 5:30, 7:30, 9:30.
- Beacon Hill — 'The Appaloosa,' 10, 12, 2, 4, 6, 8, 10; Sun. 1:30, 3:30, 5:30, 7:30, 9:30.
- Boston Cinerama — 'Russian Adventure,' Mon., Tues., Thurs., Fri., 8:30; Wed., Sat. 2, 8:30; Sun. 2, 5, 8, 7:30, 9:30.
- Brattle—'Look Back in Anger,' 5:30, 7:30, 9:30.
- Cheri I—'Georgy Girl,' 10, 12, 2, 4, 6, 8, 10; Sun. 1:30, 3:30, 5:30, 7:30, 9:30.
- Cheri II—'Fortune Cookie,' 10:45, 1, 3:15, 5:30, 7:45, 9:55; Sun. 1, 3:15, 5:30, 7:45, 9:55.
- Cinema Kenmore Square — 'Shameless Old Lady,' 1:45, 3:45, 5:45, 7:45, 9:45.
- Cleveland Circle—'Is Paris Burning,' 8:30; Sat., Sun. mat. 2; Sun. 8.
- Esquire — 'A Man and a Woman,' 7:30, 9:30; Sun. 3, 5, 7, 9.
- Exeter — 'The Endless Summer,' 2, 3:40, 5:25, 7:15, 9:10.
- Gary — 'Hawaii,' 8:30; Sat., Sun., Wed. mat. 2; Sun. 7:30.
- Harvard Square — 'The Wrong Box,' 1:50, 5:45, 9:45; 'Walk, Don't Run,' 3:45, 7:45.
- Mayflower — 'Hot Rod Hullabaloo,' 9:40, 12, 2:40, 5:15, 7:45; 'Discotheque Holiday,' 10:45, 1:15, 3:50, 6:25, 9.
- Music Hall—'The Professionals,' 10, 12, 2, 4, 6, 8, 10; Sun. 1:30, 3:30, 5:30, 7:30, 9:30.
- Orpheum — 'Not With My Wife, You Don't,' 10, 12:24, 2:48, 5:12, 7:36, 10; Sun. 1, 3:10, 5:27, 7:44, 9:54.
- Paramount — 'Rage,' 11:05, 2:35, 6:05, 9:30 (Sun. 2:35, 6:05, 9:30); 'A Study in Terror,' 9:30, 12:55, 4:25, 7:50 (Sun. 1, 4:25, 7:55).
- Paris — 'The Sound of Music,' 8:15; Wed., Sat., Sun. mat. 2:15; Sun. 7:30.
- Park Square Cinema—'A Man and a Woman,' 2, 4, 6, 8, 10.
- Savoy — 'Texas Across the River,' 10, 12, 2, 4, 6, 8, 10; Sun. 1:30, 3:30, 5:30, 7:30, 9:30.
- Saxon — 'Dr. Zhivago,' 8:15; Wed., Sat., Sun. mat. 2; Sun. 7:30.
- Uptown—'Ambush Bay,' 11:45, 3:35, 7:30 (Sun. 3:20, 7:10); 'Return of the Seven,' 1:45, 5:35, 9:25 (Sun. 1:30, 5:20, 9:10).
- West End Cinema — 'I, a Woman,' 11:30, 1:28, 3:26, 5:24, 7:22, 9:20 (no 11:30 Sundays).

### THEATRES

- Charles Playhouse — 'The Balcony,' by Jean Genet; Nov. 3 - Dec. 11; Tues., Wed., Thurs., Fri. 8:30; Sat. 5, 9; Sun. 3, 7:30.
- Colonial Theatre — 'Man from La Mancha,' by Dale Wasserman, Nov. 15 for four weeks.

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## Verdi Requiem concert Choral Society performs with BSO



Contralto Eunie Alberts will be featured with several other soloists in the Choral Society performance.

Distinguished soloists Eunie Alberts, Helen Boatwright, Richard McComb, and Paul Matthen will join the MIT Choral Society and 48 members of the Boston Symphony Orchestra in a performance of the Verdi Requiem, Sunday, December 11, at 3 pm in Kresge Auditorium.

The concert is under the direction of Professor Leipmann, of the Music Department. Reserved seat tickets may be obtained by calling UN 4-6900, x2910. Tickets will also be sold at the door on an unreserved basis.

Contralto Eunie Alberts has performed during the past year at Philharmonic Hall and in Washington D. C.'s Constitutional

Hall. Miss Alberts spent the summer working and performing with the Boston Symphony at the Berkshire Festival.

Miss Boatwright has also been a participant at Tanglewood in recent years, in addition to fulfilling her regular concert schedule. A soprano, she has been equally effective in oratorio and as an orchestral soloist.

Tenor Richard McComb and bass Paul Matthen are both internationally known for their performances in oratorio and opera. Mr. Matthen is artist-in-residence at Indiana University.

## Ali Akbar Khan plays sarod at concert of Indian music



Ali Akbar Khan, famed Indian musician, will give a concert of classical Indian music in Kresge December 14.

Sangam will present the noted Indian musician, Ali Akbar Khan, Wednesday, December 14 at 8

## Pianist Simons presents recital Monday at 8

p.m. The concert will take place in Kresge Auditorium.

Ali Akbar Khan is one of the finest exponents of classical Indian music. He plays the sarod, combining virtuosity with fertile imagination.

The music of India is exciting, even intoxicating. It is not composed. In fact, no work exists on paper. The instrument is the composer and each performance is something altogether unique.

Tickets at the price of \$3 and \$2 are now on sale in the lobby of Building 10. Reservations may also be made by calling x2910.

Thomas Simons will present a piano recital Monday at 8 pm. The recital will take place in the Sala de Puerto Rico in the Student Center.

Works by Schubert, Webern, and Beethoven will be featured. Admission is free.

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## Tech talkers finish fifth, ninth in Georgetown Debate Tournament

**By Louise Morris**  
Two debate teams from MIT placed fifth and ninth out of 110 participating teams at the annual Georgetown Invitational Debate Tournament held over Thanksgiving weekend.

MIT's fifth ranking team consists of seniors Jim Foster and Eric Johnson. Bill Arthur '69 and Barry Rosenbaum '70 were the members of the other team. Their topic was "Resolved: the US Should Substantially Reduce Its Foreign Policy Commitment." Out of 350 college debaters, Jim Foster was chosen as the sixth speaker.

The team has scored other recent impressive victories. The team of Foster and Arthur placed first out of 60 teams at a tournament hosted by the University of Illinois, Chicago Circle on November 17-19. Altogether the team won eleven of their twelve debates, including three victories over Northwestern University, last year's national champion.

Some of the strongest debate teams in the country attended. Other local schools were Harvard, Brandeis, Boston College, Dartmouth, Holy Cross, and University of Massachusetts.

## Pete Seeger performs at Back Bay Theatre

Pete Seeger will make his first public concert appearance in Boston in two years at the Back Bay Theatre tomorrow at 8:30 pm. Mr. Seeger, a figure of great stature in the folk music field, is being presented as part of the Folklore Concert Series.

His many activities last year, including a round-the-world concert tour with his family, have kept him from performing in Boston up to now.

Tickets are available at the box office for \$2, \$3, and \$4.

## Ammons presents poetry, reading

Poet A. R. Ammons will read selections from his own book of verse Wednesday at 8:30 pm in the Hayden Library Lounge. The reading is sponsored by the Department of Humanities and will be followed by an informal discussion between poet and audience. The public is invited to attend.

Ammons is known for his highly original and vivid style. He has had five collections of poetry published, three of them in the past two years.

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**Cambridge Civic Symphony Orchestra**  
Victor Manusevitch, Music Director  
**CONCERT—Sanders Theatre, Harvard—Sunday, Dec. 4, 8:30 p.m.**

**PROGRAM**

Mehul ..... Symphony No. 2 in D Major  
Haydn ..... Concerto in C for Cello and Orchestra  
Foote ..... Suite in E Major for Strings  
Tchaikowsky ..... Variations on a Rococo Theme

Soloist - **LESLIE PARNAS**

Tickets: \$2.50, 2.00, 1.50, 1.00. Available at Harvard COOP, MIT TCA and at door

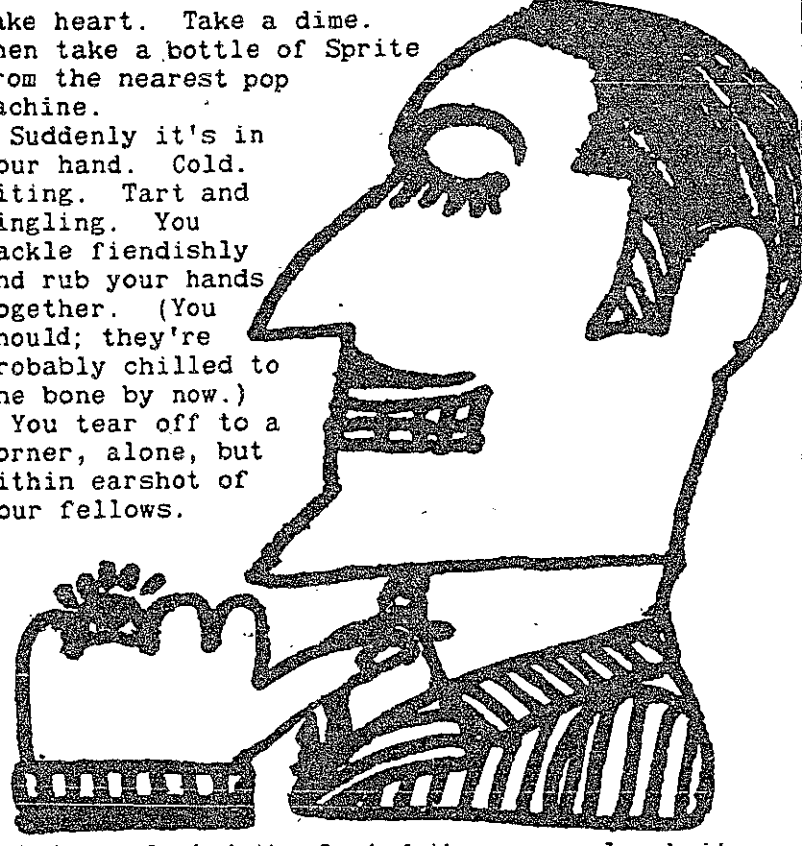
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# Four jazz artists featured

Four Lives in the Bebop Business, by A. B. Spellman, is the account of four black artists, Ornette Coleman, Herbie Nichols, Jackie McLean and Cecil Taylor, and the tragic odds against artistic success in the 'bebop business'—what the author defines as 'that peculiar cross pollination of show business and serious modern jazz that has developed since the bebop revolution of the forties.' Much of the book is told in the musicians' own words, taken from taped interviews with Mr. Spellman. This book, as well as informing the reader of the lives of the artists, is also a devastating indictment of the American attitude toward the black artists as 'entertainers,' and the refusal to take seriously the black man's contribution to American culture. The book was published earlier this month by Pantheon.

Reporter in Red China, by Charles Taylor, was published by Random House this week. The author, a correspondent in Peking for the Toronto Globe and Mail from May, 1964 to October, 1965, states, "In China today we are witnessing the greatest political and social upheaval since the Communists won power in 1949." In his analysis of current turmoil in China, Mr. Taylor said further, "The Chinese call it their Great Proletarian Cultural Revolution. In the West we term it a purge; both designations are appropriate.

In part it is a struggle for power and for the mantle of the aging Mao Tse-tung, but it differs from what occurred in the Soviet Union under Stalin. There has been violence, but nothing like a blood bath." Charles Taylor's book 'Reporter in Red China' is an account of his personal impressions of China—its people and its land—their religious and social customs. It is a revealing first-hand account from a reporter who lived there for a year and a half.

The Painted Bird, by Jerzy Kosinski, was first published in the United States by Houghton Mifflin Company, but it was published in a soft cover edition by Pocket Books several weeks ago. Only occasionally, a book comes along that is almost impossible to categorize or classify. While violating all the usual definitions, it somehow stands out. For some it is fiction, for others, non-fiction. 'The Painted Bird' is such a book. It is very specifically set in Eastern Europe during World War II; yet, it has struck some people as fable or allegory. Critics have remarked on the utter precision of its structure, but it is a work that has no plot. Rich with characters, it is a book where not a single word of direct conversation is spoken. 'The Painted Bird' has in less than a year become one of the most widely acclaimed books in the world and is already

the number one best seller in France and in German-speaking countries. It has won the 'Prix du Meilleur Livre Etranger,' the annual award given for the best foreign book published in France. Jerzy Kosinski was born in 1933 in Lodz, Poland. After receiving an M.A. in political science and history from the University of Lodz, he studied at the Polish Academy of Sciences in Warsaw, where he became an assistant professor of sociology, and then did research at Lononsow University in Moscow. After coming to the United States in 1958, he was offered a Ford Foundation fellowship which enabled him to attend Columbia University, where he is presently a PhD candidate in the Department of Sociology.

# Rutgers' civil rights attorney to speak in Boston Tuesday at 8

Professor Arthur Kinoy, of Rutgers, noted civil rights and civil liberties attorney, will speak at the Arlington Street Church, corner of Arlington and Boylston Streets, in Boston Tuesday at 8 pm.

Kinoy, who was forcibly ejected from the House Un-American Activities Committee hearings last August while attempting to defend the rights of anti-Vietnam war witnesses, is a professor at Rutgers Law School. He will

speaking on the topic, "The House Un-American Activities Committee: Dissent and Civil Rights under Fire."

Speaking with Kinoy will be Jerome Grossman, chairman of the Executive Committee of Massachusetts Political Action for Peace (PAX) and Bryant Robbins, vice chairman of Operation Exodus.

The meeting is open to the public. A donation of \$1 per person will be requested.

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## Exhibition, sale of prints held by Arts Committee

By Sue Downs


A Christmas exhibition and sale of original prints will be sponsored by the Committee on Visual Arts in the Hayden Gallery starting Wednesday and lasting through Friday, December 16.

## Engineering library to hold amnesty days

The MIT Engineering Library will hold amnesty days Thursday and Friday, December 15 and 16. On these days no fines will be collected for overdue materials. The amnesty days will be observed only at the Engineering Library in Building 10.

The prints, coming from New York and Boston galleries, will be sold at reduced prices, with discounts ranging from 10% to 33%. The display will consist of a variety of posters, including \$5 pop art posters as well as \$300 prints.

The exhibition will be open Mondays, Tuesdays and Fridays from 10 to 4 pm, and Wednesdays and Thursdays from 10 to 6.

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If you're under 25, chances are you've got sideburns to burn. Longer than your dad's, shorter than some, but highly likely to grow out of control between trips to the barber.

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The trimmer works well on the back of the neck, too. All you need is a second mirror and in a flash last week's scraggly growth is gone.

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The REMINGTON 200 shaver will keep your skin from being chewed up and turned crusty by shaving.

Just turn the dial to positions 2, 3 and 4, the cutters raise up and adjust to your beard. You'll get a close, clean shave, tough beard or not-so-tough, whether you're just touching up your lip or shaving your whole face for the first time in three days. Because the REMINGTON 200 shaver has a bigger shaving surface, you don't rub and scrub your skin raw red to get a close shave.

Click to 6, and the side panels flip open for the easiest cleaning in electric shaver history.

The price. The good news is that it costs less than most ordinary shavers that figure if a man under 25 has sideburns, he's on his own.

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## SSRS panels spotlight classified study, politics

The MIT Society for Social Responsibility in Science will sponsor two discussions Tuesday in the Bush Room, room 10-105.

Norman Dahl, Professor of Mechanical Engineering, will moderate a panel discussion on 'The Effects of Classified Research on Student Life' at 4 pm. David Frisch, Professor of Physics, and Yao Li, Professor of Aeronautics, will participate.

At 8 pm, Armand Siegel, Professor of Physics at Boston University, and Barry Blesser, Instructor of Electrical Engineering, will discuss 'The Political Involvement of Scientists and Engineers Abroad: Europe, Soviet Union, Argentina, etc.'

## Institute to close at noon on 23rd

MIT will be closed at noon Friday, December 23, for the rest of that day, as well as December 26 and January 2 for the official holidays. It will remain open all day Friday, December 30.

## Held at Westgate Nursery School starts 3rd year

The Technology Nursery School completed last spring its second year of operation at the Westgate Apartment complex. The school, which opened about six months after the completion of Westgate, is run as a non-profit corporation, with an Operating Committee drawn from the parents of the children enrolled, and a Board of Trustees consisting of representatives of the MIT community.

The Board includes members of the Graduate School Office, and Medical Department, the Planning Office, the Social Work Service, and faculty wives with special interests or experience in nursery school education. The Operating Committee and the teacher are responsible for the day-to-day functioning of the school, which is run on a cooperative basis.

When the school opened in 1964, six children were enrolled in each

of three classes, all that the City of Cambridge would permit in the small classroom then available. All eighteen children in Westgate, and the teacher was the mother of one of them. Since the autumn of 1964 the teacher has been Mrs. Charles D. Clarke.

The following spring the school's relationship with the Institute was clarified by the establishment of the Board of Trustees and the Operating Committee. The school was also moved into its present quarters on the first floor of the Westgate Tower. The size of each class was increased to eleven, and the school was able to open its doors to families living outside Westgate.

At present most of the children, who range from two-and-a-half to four-and-a-half years, are the children of students. Approximately three quarters of them live in Westgate, and a little under half of them are of foreign parentage.

With the opening of the Eastgate apartment complex next September, the school will expand into two new additional classrooms in Eastgate. This will allow a sharp rise in enrollment and require two new teachers.

## Students' autos viewed as bringing evil to campus

(Continued from Page 5)

spree. Each class, frosh and sophomores, enter three contestants who meet to decide the question of class supremacy. The Princeton spree is just as messy as our glove fight, but the limited number of entries keeps the injuries down.

... A Japanese college student broke the world's record in the pole vault with a vault of 12 feet, 9 inches.

40 years ago

... A local beauty parlor called the MIT employment office, requesting a student to be a walking billboard for the Central Square area in the afternoons. An advertisement for a "sandwich" man was put up in various points around Tech, but there was no response. Desperate, the beauty parlor called Harvard, where they promptly got their man. As far as can be learned, he sandwiched competently.

... Autos of college students, and their owners, were taking a lot of abuse. Penn State and the University of Illinois had expelled students cars. The New York Times wrote a story on the controversy, concluding with an interview with a professor who had

seen "the evils of college autos for twenty years."

"It brings the worst of evils nearer the college; lawless resorts line the main highways, wherein fugitive criminals, bandits, bootleggers, hijackers and vicious women collect."

(There is a rumor afoot that some remnants of this reactionary thought, dating back to 1926, is still alive in the Cambridge City Council. Seems someone there wants to outlaw student cars or something stupid like that. Any way, it's just probably a rumor. Too preposterous to be true.)

20 years ago

... The MIT Veterans Association held a forum on compulsory military training in Morss Hall. Four distinguished speakers debated the topic. Advocating compulsory military service were Dr. Karl T. Compton and Mr. Howard C. Patterson, Special Assistant to the Secretary of War. On the negative side were Dr. Harold Stoke, President of the University of New Hampshire, and Mr. Philip La Follette, former governor of Wisconsin.

## HKN, TBPI to sponsor pledges' social today

By Steve Swibel

The pledge classes of Eta Kappa Nu, the electrical engineering honorary, and Tau Beta Pi, the engineering honorary, will jointly sponsor a social for members and their dates today. The pledge social will begin at 8:30, and will be held in the Lobdell Dining Room in the Student Center. There will be a rock and roll band and refreshments will be served. Dress is informal.



1. How come you've been getting such swinging computer dates?  
I guess you haven't seen my personality questionnaire.



2. "Five foot two. 113 pounds. Nearsighted."



3. "Play the ocarina."



4. "Like cucumber sandwiches."

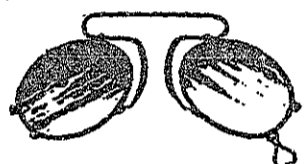


5. You mean to tell me those great-looking girls go for these things?  
It's the last item that really clinches it.



6. "Stepping into swell job with Equitable Life. Good pay. Fascinating work. Plenty of chance to move up."

I think I'll see Jane tonight, Susie tomorrow and Fran the day after.



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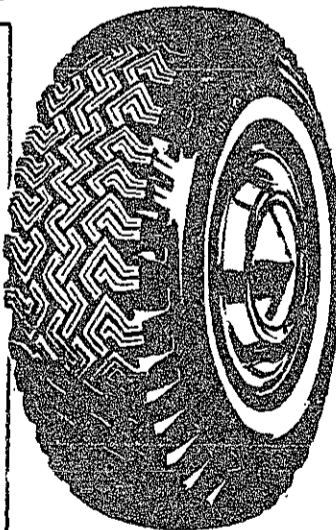
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775/670x15	\$12.95	\$2.21
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# Snyder works with budget

(Continued from Page 1)

the Lincoln Lab and Instrumentation Lab.

In addition there is a capital budget, currently valued at between 25 and 30 million dollars, which covers buildings and building improvements such as Eastgate Dormitory and the Space Sciences Center. Mr. Snyder and President Johnson have the annual responsibility of balancing the MIT budget.

Mr. Snyder reports annually to the President on the "budget conditions." This includes projected expenses for the following year, estimated income from various sources, and present expenses and income. The Vice President has prepared a formal summary of this data for Mr. Johnson.

Typical sources of income for the Institute budget include tuition, endowment income from capital gifts, grants from industry and private foundations, and grants from government agencies. Principal expenses include faculty salaries, academic departmental expenses, space changes in the physical plant, and the financing of new programs, such as curriculum development changes.

### Watriss aids in investments

The work of Mr. Snyder is reduced from impossible to very difficult through the able assistance of Fred Watriss, Assistant Treasurer, and of Paul Cusick, the Comptroller.

Mr. Watriss assists in the management of the Institute's invest-

ment portfolios. He is also recording secretary for Mr. Snyder's office, and is thus responsible for the proper receipt and acknowledgement of gifts received by MIT. In addition, he is concerned with insurance protection for the Institute, such as fire, property, and student medical insurance.

Settlements of estates and bequests are a concern of Mr. Watriss, as well as Life Income Trust Funds. The latter are gifts by donors to the Institute, whereby the beneficiaries are paid the income earned during their lifetimes. Finally, Mr. Antony Herrey, the Institute Real Estate Officer, currently responsible for the development of the faculty housing program, reports to Mr. Watriss.

### Cusick contracting officer

Paul Cusick, Comptroller, is the Institute's contracting officer, and thus establishes the terms of and signs contracts for construction, research, or other projects. He handles the business, accounting and fiscal procedures followed at MIT. Each of the two large labs has a fiscal officer who reports to the Comptroller. Mr. Cusick also sets policies governing the purchasing of materials and services.

In particular, with relation to the budget, he first prepares all

the accounting which backs up the budget, and then assembles the figures which actually comprise the budget. His associates, Mr. Little and Mr. Cowen, are the director of accounting and receipts and payments, and the director of financial planning, respectively. Mr. Snyder works closely with Mr. Cusick and Mr. Watriss in the financial administration of the Institute's affairs.

### Background

Mr. Snyder graduated from Carnegie Institute of Technology, and received the MBA from Harvard's Graduate School of Business Administration in 1934. From 1943-1944, he was a special graduate student in Course X at MIT, after which he became secretary of the budget committee and associate head of the Office of Business Administration of the Radiation Laboratory. He became treasurer of MIT in 1950 and Vice President in 1952.

Mr. Snyder is currently a director and officer of a number of industrial, utility and financial companies across the country.

# Reunion questionnaires IM football show management trend topic of meeting for recent graduates

What will you be doing ten years from now? If you are graduated from MIT, stronghold of scientific advancement, you'll probably wind up working in management.

The Class of 1956 serves as the prime example. Though less than 10 per cent of them were graduated from the Institute in business and engineering administration, nearly 40 per cent of the class now consider that their principal duties are management, this according to a reunion questionnaire. Twenty per cent are actually classified as management by their companies, but 17 per cent are in development, and 15 per cent in research.

### Cums count

What will you make? Well the mean salary after 10 years is \$14,264. Those graduating with higher grade averages tend to make more money; "those who don't remember their averages make less than those who do."

Intramural Vice-President Bill Dix '67 announced today that the next IM Council meeting will be Tuesday at 7:30 in the Varsity Club Lounge. The order of business will include bringing water polo into the council, possible changes in IM football and the incorporation of women into the council. Certain constitutional changes will be presented by the protest board. There is also a protest board meeting scheduled for today at 3 pm in the IM Managers' Office.

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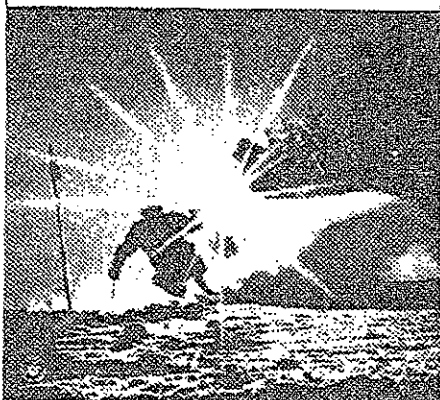
## Folk-dancing classes to start next week

Folk-dancing classes will begin Tuesday from 7:30 to 10:30 pm in room 491 in the Student Center. The weekly classes will feature dances from all countries. Dodi Li, Quadriglia di Aviano, and Oberek are some of the dances that will be done in the first class.

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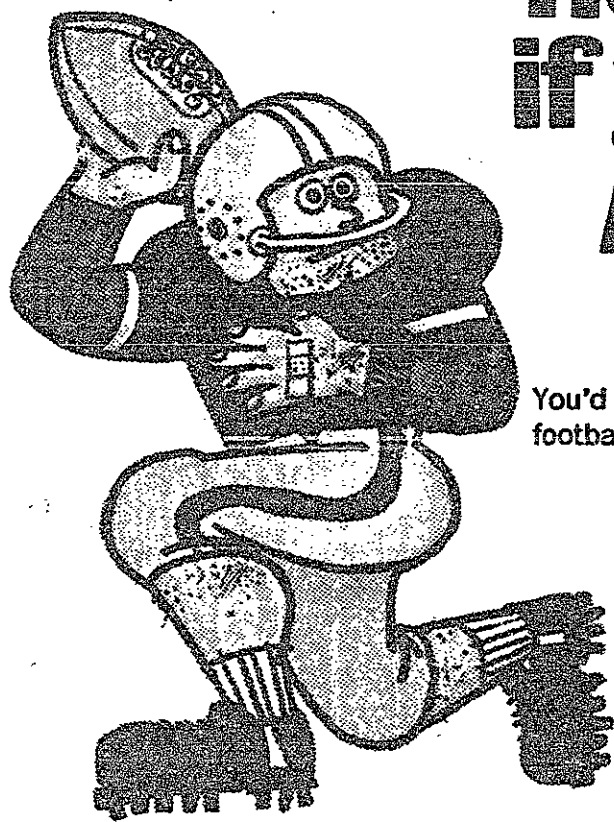
Discover the other Colorado, where there's great skiing far from the crowds of Vail and Aspen... explore Vermont's Sugarbush, Glen Ellen, Mad River Glen... check out the merits of the Fischer, Hart and Kaestle skis in SKIING's exclusive test reports... meet Rip McManus, last of the free-lance racers... take a first-hand look at the magnificent Matterhorn... learn how to adjust your own cable bindings, how to get real fit in boots and how to improve your skiing technique with the expert advice of Stein Eriksen, Conrad Staudinger and Doug Pfeiffer.

You'll find all this and much more, in the December issue of

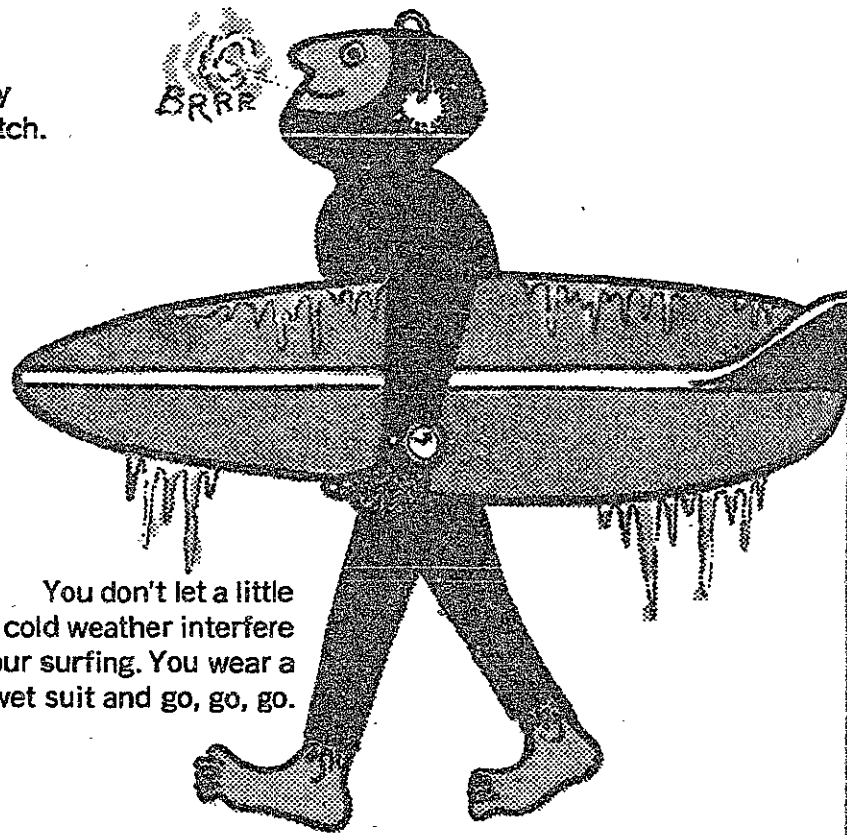
## SKIING

Just 60¢—ask about the special half-price student subscription rate available through college bookstores.

# How to tell if you're an Ale Man



You'd rather play football than watch.



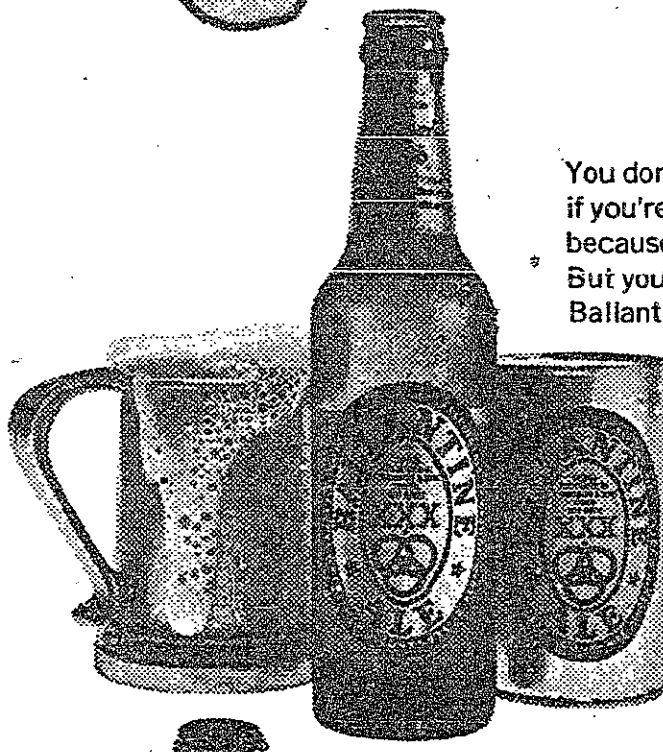
You don't let a little thing like cold weather interfere with your surfing. You wear a wet suit and go, go, go.



You still think James Bond books are better than James Bond movies.

“Your friends think that four-on-the-floor is it. Your last car had a five-speed box.”

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You know the name and phone number of your Ballantine Ale distributor by heart. You should. You've called him enough to arrange for parties.



You don't have to read an ad like this to find out if you're an Ale Man. You know you're an Ale Man because you graduated from beer ages ago. But you're still explaining to your friends how Ballantine Ale is light like beer but packs a lot more taste. You wish they'd discover the clean, dry, tangy taste of Ballantine Ale for themselves—and let you do the things an Ale Man likes to do.

Dedicated to Ale Men everywhere. May their numbers increase.  
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## Racketmen blank Adelphi, 9-0; Tantivit leads engineer squad

By Roger Dear

MIT's varsity squash team opened its 1966-67 season Wednesday night with an overwhelming 9-0 victory over Adelphi. The team, coached by Edward Crocker and captained by the number one man, 'Chye' Tantivit '68, had too much overall strength and depth for the Panthers. Each man won his contest by 3-0 scores.

The match began with Chye playing Adelphi's number one man, Stu Goldberg, and after a close opening game in which Chye squeaked out an 18-15 victory, he took control and won the next two, 15-8, 15-11. The Beaver's number three man, Ken Wong '68, and number nine man, Ralph Sawyer '67, quickly won their matches with scores of 15-2, 15-5, 15-8, and 15-3, 15-8, 15-2 respectively.

Number five man, Phil Scogan '69, then won what turned out to be the closest match of the night, 15-11, 15-12, 15-10. Elpy Ipiotis '69, playing in the number seven slot, assured MIT of a victory by winning the fifth match of the night, 15-9, 15-10, 15-9.

The sixth contest pitted Eric Coe '67, number two man for the



Polaroid by Jeff Reynolds  
Chye Tantivit '68 smashes a forehand shot into the lower right-hand corner for the point against Adelphi.

Beavers and the Panthers' Joe Young. Eric won the first game, 15-9, the second, 15-8, and the third, 15-7. MIT's sixth man, Joe Ferreira '67, and eighth man, Pete Hurley '68, then easily vanquished their opponents.

The last contest matched number four man, Bob Melanson '68, with Don Robertson. Bob easily won the first game, 15-7, but in second, he trailed 8-14. A fine comeback prevented what could've been MIT's lone loss, as he won 15-14, and then 15-2.

## Betas second by 26

# SAE leads IM standings

By Herb Finger

Figures released today show Sigma Alpha Epsilon first in the IM point-total standings. The SAE's 251 points give them a 26 point lead over second place Beta Theta Pi. The SEAlor margin comes from a first and ninth place in the IM Football competition supplemented by a second place finish in wrestling, twelfth in cross-country and twentieth in tennis.

The Betas 225 points is the result of a second place in football, seventh in cross-country and first and eighteenth place finishes in wrestling.

Fiji, Delts, Burton, DU, Phi Delts, Theta Chi, Lambda Chi, and AEPi round out the top ten list.

The IM Hockey action this week, SAE continued their domination of the A league just where they left off last year by trouncing Sigma Phi Epsilon 14-0. Steve Queeney '67 sparkled for the SAE squad scoring goals.

As the rains came, Phi Mu Delta and Delta Psi splashed into the ice. Undaunted by the weather the Phi Muds skated to a 2-0 victory over Number 6 Club.

### Bowling

IM Bowling began the first of six weeks of competition this

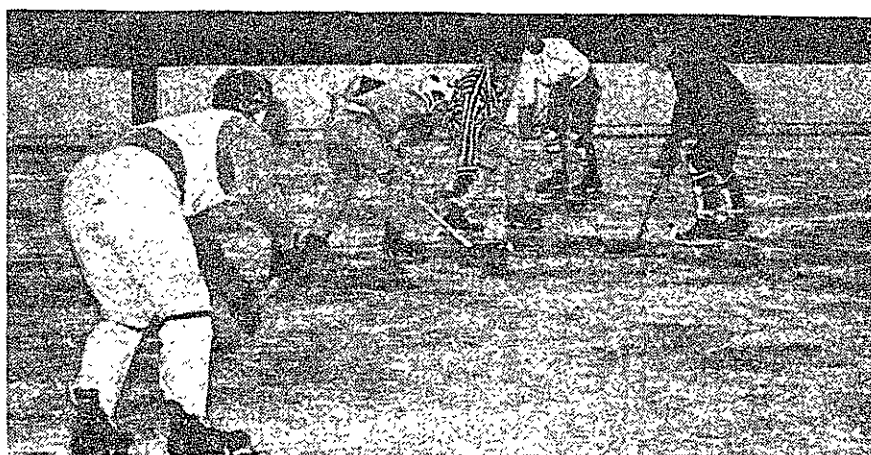


Photo by Tom Dooley  
Referee John Schwarz '67 drops the puck in a face-off between Dick Sidell of SAE (left) and Sandy Randall '69 of SPE. Playing right wing for the Sig Eps is Joe Stewart '69. The SAEIors trounced SPE, 14-0, as Sidell hit 5 goals.

week. Teams will compete against all of the other 59 teams, the top 16 making the double elimination playoff to be held in February. The Peterson point system will be used throughout with additional 50 pins being given for team game victories. 25 points will be awarded to a team if it has the greater total pin count but has won only one game, losing two.

The leagues are as follows:

Sunday		Monday	
2:00 pm	PKT	3:30 pm	TEP
Bak "A"	PLP	Bur "A"	Bur "A"
SPE "E"	PDT "A"	Sen H "C"	TC "B"
KS "B"	NRSA	SC	TDC "C"
PSK	Bak "D"	Bur "G"	SPE "B"
Bur "B"	PMD "A"	Ash "C"	McCormick "A"
PDT "B"			

First rounds of time trials for qualification in the finals of the IM swimming meet were held Monday night, November 28, at the MIT Alumni Pool.

Steve Nord '69 of SAM recorded the best time in the fifty yard freestyle by tying the IM record at 25.2 seconds. Stan Gedzelman of Ashdown House broke the IM record in the 50 yard breaststroke at 32.4.

In the fifty yard fly, Angel Silva, swimming for the Club Latino, tied the existing record at 28 seconds flat. Zeta Beta Tau broke the IM record in the 200 yard medley relay at 2:03.1 seconds.

IM finals will beheld Sunday, December 4 at 2:30 pm.

## CE skaters top Habitants in Community Hockey

The MIT Community Hockey League opened its season this week with two games. This year, the league is made up of four teams: Beacon Street Athletic Club, Civil Engineering, Instru-

mentation Lab, and Habitants. Standings at the end of the first round show Beacon Street AC and Civil Engineering in a tie for first place, each sporting 1-0-0 records.

In the first game, Civil Engineering downed Habitants, 4-2. CE was led by Bob McPhail, who scored 3 goals and assisted on the other. Wayne Pecknold led the Habitants with one goal and an assist.

Beacon Street ran away from the I. Labs, 7-3 in the second game. The winners were led by Tony Pasquale's hat trick and one assist. I. Labs showed scoring balance, as three of their players got one goal apiece: John McNeil at 9:04 of the second period, Bill Vachon at 12:39, and Loren Wood '66 at 12:01 of the third period.

The Community Hockey League is designed for members of the MIT community who would like to play, but are ineligible for intramurals or the varsity for one reason or another. It is made up primarily of graduate students, but virtually anyone is eligible to play. For this reason, the quality of play is usually much higher than is found in the intramural teams.

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That which is born of the flesh is flesh; and that which is born of the Spirit is spirit. Marvel not that I said unto thee, Ye must be born again.—John 3: 6, 7.

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**Wilson trying for record**

**Cagers take on Wesleyan in home opener tomorrow**



Polaroid by Scudder Smith

The Tech cheerleaders for 1966-67: kneeling, l. to r.: Co-captains Lou Lentini '68 and Elaine Lancaster '67. Standing: Janine Knauf '67, Sue Downs '68, Barbara Sollner '70, Mary Thornton '70 and Martha Radford '70.

**By John Kopelow**

With the season's opener under their belts, MIT's varsity cagers will return to action tomorrow night when they face Wesleyan University in Rockwell Cage.

Last year the Beavers chalked up their first win of the season against Wesleyan, an 83-70 trouncing in which Tech had to overcome an early 8-point deficit. In the cost Dave Jansson '68 and Bob Ferrara '67, both returning to the starting line-up this season, were particularly effective—Jansson hitting a variety of shots for 24 points and Ferrara scoring 12, one of his best point productions. The Beavers figure to have even less of a challenge from their opponents this year, for Fred Wherle, who scored 33 points for Wesleyan in last year's game and was the highest scorer in their history, has graduated.

Senior co-captains Bob Hardt and Alex Wilson will be at their customary center and forward spots respectively while one of the starting guard positions has not yet been clinched. Leading contenders are seniors Roy Talus and Ray Ferrara.

Wilson will be continuing his quest for a new MIT career

scoring record, which he should reach midway through the season. Prior to the start of this campaign, he has totaled 832 points for an average of nearly 19 per game. Hardt has also been an effective shooter, averaging almost 15 per game as an undergraduate cager.

**Frosh sports**

**BC falls to matmen, 34-2**

**By Paul Baker**

Tech's freshmen wrestlers thundered to the mats Wednesday night and humbled Boston College, 34-2.

The engineers won eight matches, while BC managed only to squeak out a tie in the 123-pound division.

Four Techmen, Paul Malek (152), Walt Price (167), Dave Alperin (177) and Fred Andree (unlimited) achieved the ultimate in wrestling by pinning their opponents. Price wasted no time in demonstrating his finesse and earned his victory in just thirty-one seconds. Alperin, at one time down 6-2, staged a come-from-

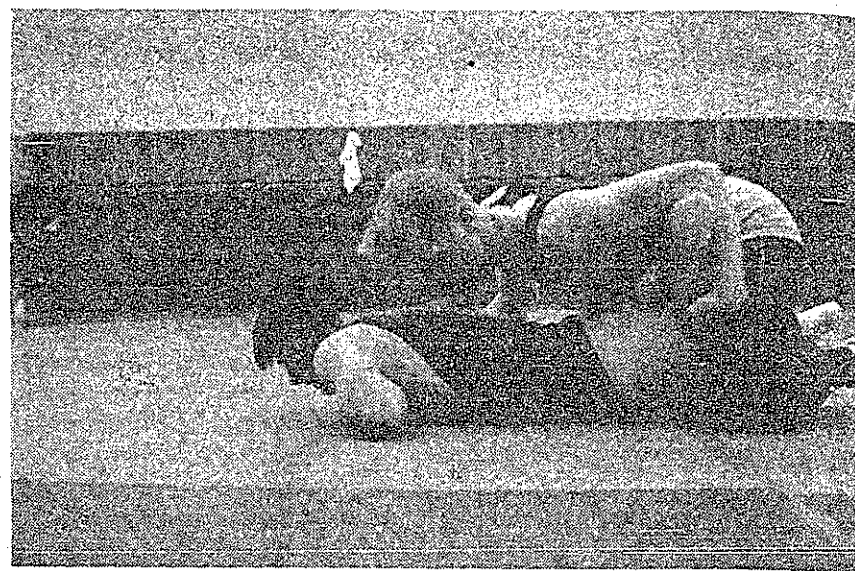
**Grapplers rout Boston College**

**By Armen Varteressian**

Coach Will Chassey's varsity wrestlers got the season off to a good start Wednesday as they squashed a Boston College squad, 24-11.

Bill Harris '68 started the Engineers off as he pinned senior Matt Avitabile with nine seconds left in the second period of their match. Bill was reversed by the BC wrestler in the second period, but regained the advantage late in the round, and went on to win, using a reverse nelson for the fall.

Gregg Erickson '69, a newcomer to this year's varsity, made an impressive start, pinning senior Pete Gately in 1:45 of the first period of the 130 lb. match. After scoring a takedown early in the round, Gregg easily turned his advantage into a pin. Jack Maxham '69, another first-year varsity candidate, kept up the MIT lead with an 8-4 victory over BC senior Tom Curtin. After Curtin took Jack down in the first round to move ahead 1-0, Maxham scored a quick reversal and led 2-1 going into the second period. Maxham scored another reversal in the third period, and



Polaroid by Jeff Reynolds

Jack Maxham '69 maneuvers for a pin after reversing Tom Curtin in the second period of the 137 pound match against the Boston College Eagles. Maxham went on to win the contest, 8-4. The engineer grapplers won their home opener, 24-11.

rode out the match to win with better than two minutes riding time.

**Weight loss hurts Thilly**

The 145-lb. contest turned out to be a surprise, as normally strong Bill Thilly '67 lost by pin to soph Paul Trombi. Weakened by his rapid loss of weight in recent days, Thilly nevertheless managed to reverse Trombi and

maneuver him into a predicament in the second period to go ahead 4-0. However, Trombi reversed Bill and pinned him with a minute remaining in that round.

At 152, John Fishback '68, took 3:42 to pin Mike Calvey of BC and send MIT ahead, 18-5. Hank DeJong '67 put the meet on ice by scoring a 9-4 decision over John McDade.

BC took the next two matches, as senior Richard Moses decided Julian Schroeder '69 by a 3-0 tally, and Dick Bradley, a placewinner in last year's New England, scored a 5-0 decision against Al Landers '67 in the 177-lb. match.

Schramm wins, 16-3

MIT picked up its last three points as expected, in the heavy-weight contest, as Captain Dave Schramm '67 demolished Brian Froelich to the tune of 16-3.

**Student-faculty basketball game set for Saturday, December 10**

MIT sports fans will be treated to two special attractions Saturday, December 10 — a faculty-student basketball game, and a sock hop.

The faculty-student contest will take place between halves of the MIT-RPI basketball game.

Starring for the more experienced squad will be Professor Charles Draper, former head of Course XVI. He will be aided by Deans Robert J. Holden, William Speer, Paul E. Gray, and Jay Hamner.

Professor William R. Moore, 5.01 and 5.02 lecturer; Professor Alvin W. Drake, East Campus faculty resident; Professor Jer-

ome V. Lettvin, of 21.97 fame; and Larry Bishoff, administrative liaison to Stouffer's, will bolster the Faculty roster. Several other faculty and administration members are also expected.

Leading the student team will be Inscomm members Frank March '67, Gary Garmon '67, and Paavo Pyykkonen '67. The four class presidents, and several other members of Inscomm have also been invited. The team will be supplemented by Gerry Banner '68 and Rick Gostyla '67 of the Athletic Association Executive Committee, and Herb Finger '68, Intramural basketball manager. George Jones '67, President of the AA, will act as commentator.

After the varsity game, Varsity Club is sponsoring a Sock Hop in the cage with the Insex playing. The varsity hockey, track, and wrestling squads are also in action that Saturday.

**Friedman to face Geo. Pantoulis in pool tourney**

Defending champion Doug Friedman '67 will face his toughest opponent of the tournament Saturday morning as he takes on freshman whiz George Pantoulis. The young Canadian snooker expert has an impressive record thus far in the tournament, and is expected to produce an excellent match with Friedman.

The other semi-final match between last year's runner-up Ray Ferrara '67 and Alan Greenfield '69 will be postponed until early next week, since Greenfield is in the infirmary.

The match Saturday morning in the Games Room will begin at 9:30, and the community is invited to attend.

The final match will be held Friday night, December 9, in the Sala de Puerto Rico of the Student Center. The winner will represent MIT at the New England Regionals Tournament at Boston University February 18, and could go to the Nationals.

**Basketball Roundup**

**AEPi tops NRSA in IM action**

**By Joel Hemmelstein**

Alpha Epsilon Pi, taking its fans to near nervous prostration, eked out a 58-57 overtime win over NRSA Tuesday night in Rockwell Cage. The Pi's, third in IM Basketball last year, are 3-0 this season and a certain contender for the title.

NRSA jumped out to an eight point lead at the end of the first half. Jack Cleary '68, ace forward, held the hot hand from fifteen feet and popped in a game high of 24 points. AEPi fought back to within five as the teams entered the last period of play. Gerry Banner '68 and Herb Finger '68 paced the rally and finished with 22 and 13 points, respectively.

With 15 seconds left AEPi held the ball and a two point lead. However, sloppy ball-handling gave NRSA possession with two seconds to play. On the out-of-bounds throw-in Cleary was fouled and went to the charity stripe with a one-and-one situation prevailing. He sank both foul tries and sent the contest into a three minute overtime.

NRSA scored first, but Finger's foul shot and Banner's layup gave the Pi's the one-point lead and the eventual winning margin.

**Burton trounces ATO**

The race for the title remained deadlocked as Burton A also won convincingly over ATO, 74-40. Outstanding balance gave the winners the overwhelming superiority

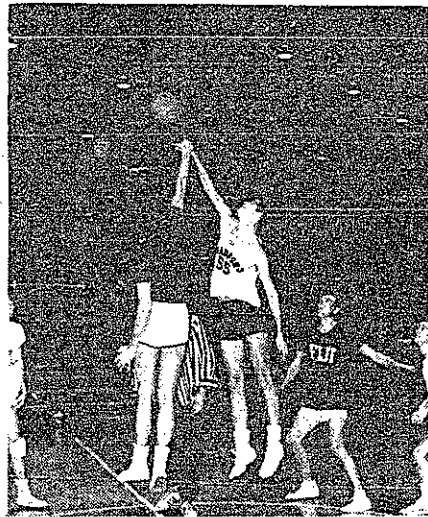


Photo by Tom Dooley

Steve Smith '70, PGD center, jumps with Dave Meyers '70, Senior House, in Tuesday's contest. The Fijis won, 62-33.

of the court. Tom Scholz '69 took the scoring honors with 18, but he was followed closely by teammates Lee Kammerdiner '67 (16), Marc Seelenfreund '68 (12), and Rich Singer '67 (11). Bob McGregor '69 led ATO with 15 markers.

Phi Gamma Delta held their share of first place by defeating Senior House in League II competition. The 62-33 win was sparked by Don Baron's twenty points and a hustling all-around performance by the Fijis which kept their opponents off balance throughout the conflict.

**Lambda Chi still unbeaten**

In the big game Wednesday night, Lambda Chi Alpha beat Pi Lambda Phi, 74 to 41. The

Lambda Chis started slowly mounting up a five point lead after the first quarter, 13-8. Bruce Twickler '67 and Chick Chotkowski '68 shot the LCA offense into high gear in the second period, to lead at the half, 35-16.

In the second half Ed Jernigan '69 kept Pi Lam in the game with good shooting and strong rebounding, but the Pi Lams couldn't match the torrid pace of the much taller Lambda Chis. Jernigan finished with 18 points for the night. Twickler had 16 and Chotkowski counted 15 for LCA.

**"B" races tight**

The B league competition is unfolding as a close race in all four sections. Close battles arose between the Delts and TEP and Baker A and Sigma Nu. The Delts pulled away at the end to defeat a hardy TEP squad, 49-35. Baker House edged Sigma Nu as Erik Jensen '67 (15) and Dennis Kalla '67 (13) ignited the Baker offense. Tom Mattick (SN) led both teams with eight field goals and a foul shot for 17 points.

The big contest between SAE and AEPi will take place Saturday at 2 pm in the Cage.

**Other scores:**

- Theta Xi 35, West St. 33
- Burton C 1, Theta Chi 0 (forfeit)
- Pi Lam B 46, Phi Kappa Theta 28
- Old Lambchops 84, ZBT B 27
- Club Latino 70, Baker C 24
- Kappa Sig 62, Phoenix 22
- Theta Delta Chi 74, Phi Mu Delta 37
- Sig Ep A 52, Sigma Chi 23
- Meteorology 53, Krash'ski's Klub 11
- Burton E 59, NRSA B 27
- Fiji B xx, SAM B 21
- East Campus A 32, Sig Ep 24
- Chi Phi 35, Theta Delta Chi 6 33

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