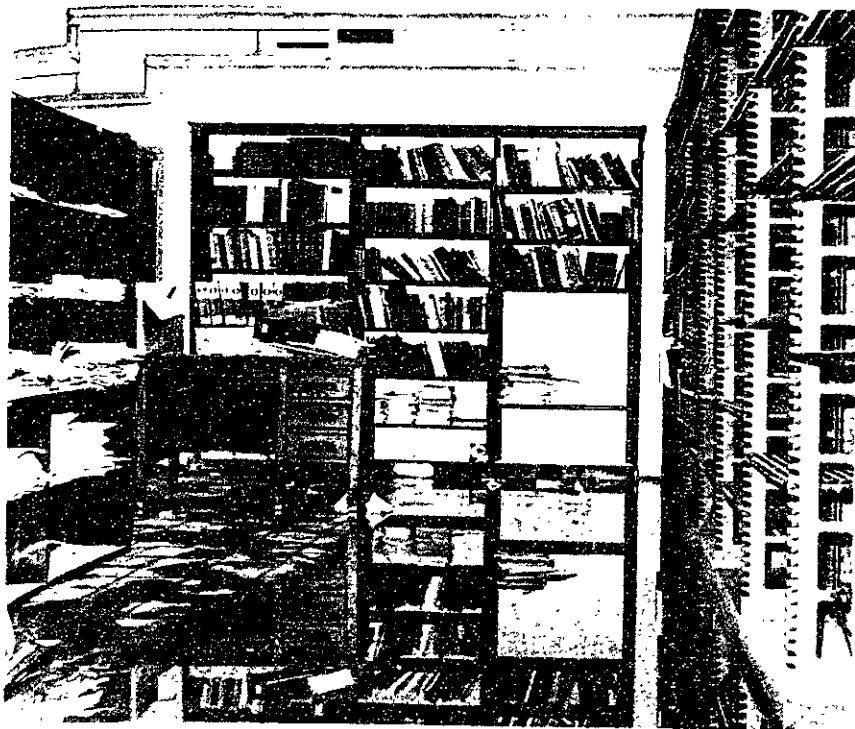


## Heavy Weekend Rainfall Plagues MIT Basements



A substantial amount of water collected in the basement of Hayden Library



Members of the Lecture Series Committee vacuum the water out of their office (right) in the basement of Walker Memorial, where the water was three inches deep before being pumped out. —Photos by Conrad Grundlehrer

By Lyall Morrill

Basements throughout the Institute were flooded last weekend as a result of the heaviest rain since Hurricane Diane in 1955.

Senior House, Walker Memorial, Hayden Library, and main-complex basement areas were hardest hit. Maintenance crews used twenty-two auxiliary water pumps in an attempt to keep the continual seepage under control.

Senior House residents Saturday morning found water up to an inch deep in many parts of the basement. A volunteer bucket brigade of thirty students worked for several hours both Saturday and Sunday mornings in the Crafts basement party room. They mopped water, carried it upstairs in wastebaskets, and poured it on President Stratton's lawn.

Water continued to leak between the floor and the molding. An auxiliary pump provided by the Physical Plant was soon disabled by rain water, which soaked through a cardboard box intended to protect the pump's motor.

In the basement of Walker Memorial, the water reached a depth of more than two inches. The Lecture Series Committee reported that 8000 sheets of offset paper stored in their basement office in Walker were ruined. Also damaged were several pieces of plywood and some unfinished wooden cabinets which were exposed to the water.

Other organizations having offices in Walker's basement escaped damage.

According to one report, water reached a depth of nearly four inches in the basement of Hayden Library. This flooding is blamed for a false fire alarm Saturday morning which brought two hook-and-ladder trucks to Building 14. The suspected cause of the alarm was water which shorted out several Hayden electrical circuits.

Various other Institute buildings suffered from the insurgence of rain water. The deepest reported accumulation was in the boiler room of Building 80, the supersonic wind tunnel, where water was knee-deep. Other locations listed as critical by the physical plant were Buildings 2, 3, 4, 8, 16, 26, the swimming pool, and President Stratton's house.

According to Mr. Crawley of the Physical Plant, it is essential to protect the electrical conduits which run under the basement floors and to keep water from entering the steam tunnels beneath the streets around MIT.

## MIT Meteorologist Predicts Cold Winter

By James Villeux

MIT can expect a colder winter this year with an above-average amount of snow. That's the advance forecast of Prof. Hurd C. Willett, Meteorology Department.

November will not feature much winter weather, but cold temperatures will begin in December and reach abnormal lows throughout New England in January. Although February should be normal, we can expect a moderately cold spring.

As part of a cold-weather trend that will continue for several years, the anticipated abnormal winter will include a greater amount of snow for the Northeast.

Prof. Willett emphasizes, however, that no matter how severe the weather may be at times, the actual temperature average will be merely a few degrees below normal.

He bases his predictions on a comparison of past weather patterns with current trends. The flow of prevailing westerly winds and the variations in solar activity are factors supporting his forecast.

During the late forties and early fifties, the general trend of weather was toward warmer temperatures. This trend is reversing itself, according to past observations and the fact that the last two winters have both been below normal.

Westerly winds are the chief factor in explaining the trend. These winds will be heading South in the years to come, resulting in colder weather. In the milder winters of a dozen years ago, these winds traveled North.

An interesting theory regarding weather cycles is the correlation of these cycles with the regular



Prof. Hurd C. Willett  
—Photo by Curtiss Wiler

variations in solar activity. Professor Willett asserts that the observed solar cycle of 80-90 years coincides with a corresponding climatic cycle.

In 1790 and 1870, when the level of solar activity changed from high to low, the weather trend changed from warm to cold. We are now experiencing such a solar-climatic change.

Another solar cycle of shorter duration—about 22 yrs.—roughly determines how wet or dry the weather will be.

## Teaches Americana

On WGBH-TV

## Prof. Wood Offers Folklore Course

By Sutikshan Prakash

"The purpose of the course is to interest people in this great body of traditional knowledge; I just hope they will see what an insight they can get into a way of life at any given time or place from examining its folklore," said Prof. Theodore Wood about his course on American Folklore being offered for college credit by the commission of Extension Courses.

The WGBH-TV course started October 1, and will last about fifteen weeks. "It is a kind of social history—what it was or is to be an American; what it is to live in a certain way. It documents the beliefs and ways of life of the American people. A great deal of folklore is, of course, fascinating in itself," explained Prof. Wood.

Commenting on this course is different from most ordinary courses, Prof. Wood said that the students don't need to put too much effort since they are not going to be in a regular classroom. Unlike other courses, this one requires a script — so every action has to be directed.

"What would be a definition of folklore?"

"There is a wrong notion in the minds of many people that folklore is only of academic interest to cultural anthropologists. Folklore is composed of many things. Superstitions, thinking twice about broken glass, even slang and other things which are passed down traditionally — all these make up folklore. Folklore is important and interesting. You learn about the true feelings, the attitudes and the way of life of a community. You learn from their stories, jokes and songs, although considerable information must be speculated. But you learn what they thought and really believed in, what their real character was."

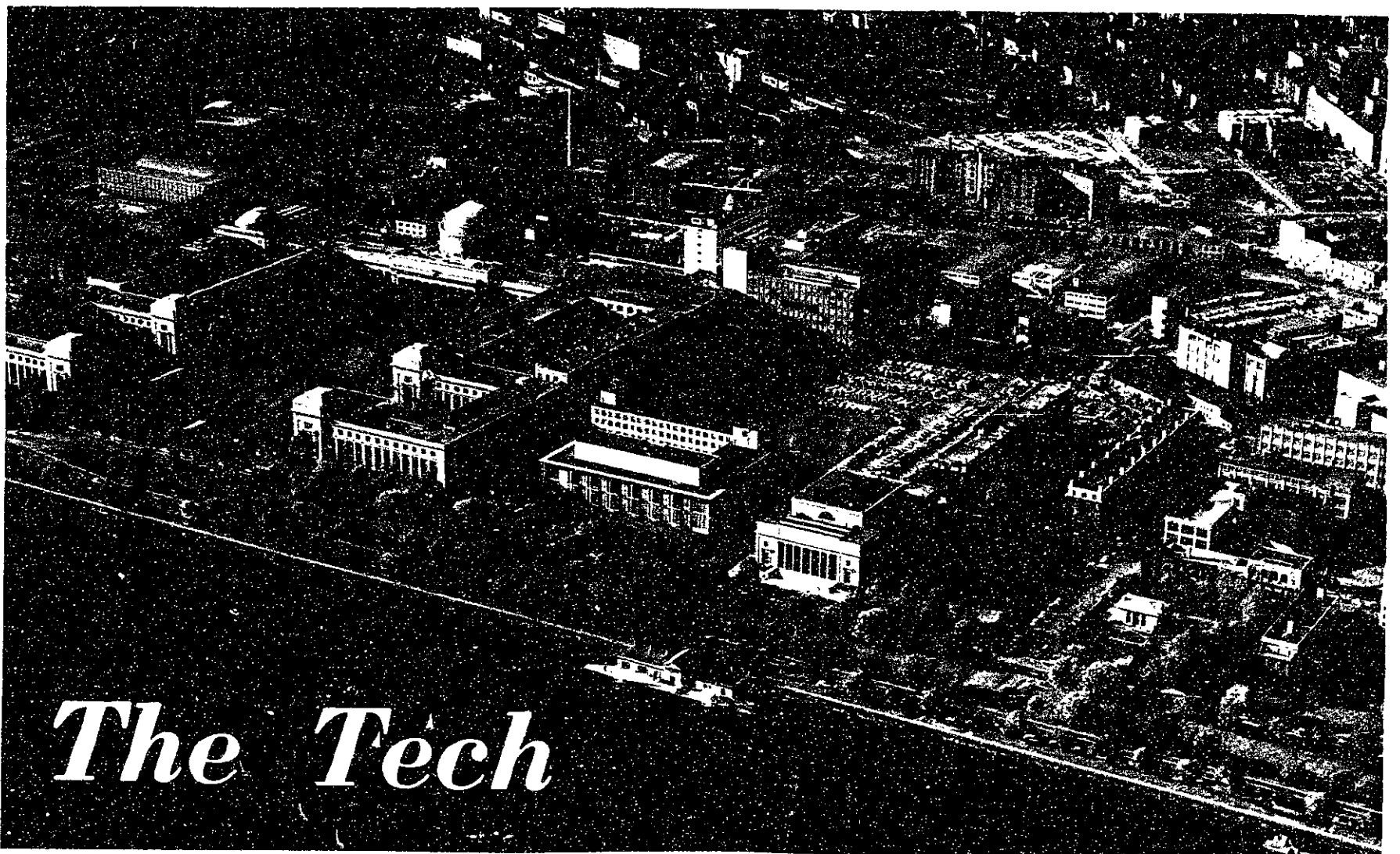
Prof. Wood is very interested in folk singing and sings a lot himself. I asked him of the importance of folk songs in folklore. He replied, "Folk songs reflect themes and as such they form an important part of folklore. Folk singing is the most popular aspect of folklore. Since the war it has grown about a thousand

per cent in popularity. While previously there were hardly any well-known folk singers, we now have many — from Josh White to the Kingston Trio."

Talking about the origin and necessity of folklore he said, "American folklore has sprung from the activities of Americana-ordinary American people. Negroes are the ideal group; their work songs, ballads and stories tell of their view of life. They were an isolated and illiterate group. This was the only way they had of expressing themselves.

It is different from medieval ballads, which were the poor man's story books and talked of ladies and gentlemen on steeds and not horses. Today folklore tends to persist more in rural and unsophisticated areas."

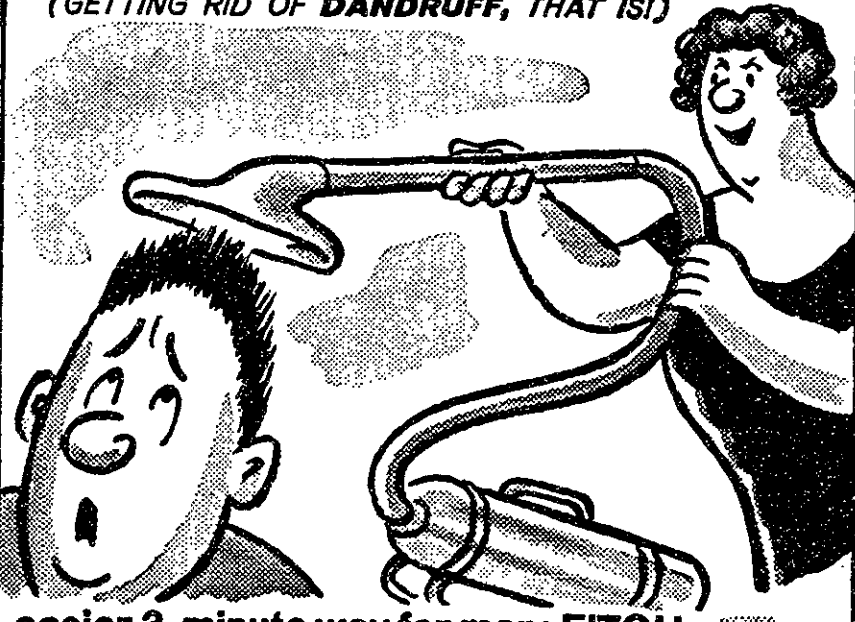
In the course, Prof. Wood will explore every aspect of American folklore, illustrating his subject with films, photographs, scenes from great folk dramas and many folk songs.



# The Tech

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(GETTING RID OF DANDRUFF, THAT IS!)



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## Muslin Malcolm X Appearance Deferred Until End of October

The long-anticipated appearance at MIT of Minister Malcolm X, speaker for the Black Muslims, has been deferred at least until late October, according to Civil Rights Committee chairman Ned Block.

Mr. X was first scheduled to speak last May, sponsored by the CRC. When it became apparent that the only available date in May would be too close to final exams, CRC decided to postpone the engagement until the beginning of this term. Again a tentative date, September 26, was set, but CRC decided at the beginning of September to sponsor "The Candidates Speak Out On Civil Rights" on that date instead. Malcolm X proposed the first week in October but later wrote to say he could not come to MIT until after October 14. CRC is now awaiting a reply to its letter suggesting several dates in the latter part of October. Meanwhile, the question of whom, if anyone, Malcolm X will debate, remains to be settled. He has requested a debate with Martin Luther King, but Rev. King, when contacted by the CRC, said he did not want to debate the Black Muslim spokesman.

## Cherchez la Femme

## Wheaton Has Only Mixer

As many Tech men have noticed, last weekend was a great time for mixers. Logically, they shouldn't be expecting much this week and, naturally enough, they are not getting much.

The only mixer I have for this Friday is one at Wheaton College in Norton, Mass. It should be a very worthwhile affair, with guaranteed attendance by Wheaton upper classmen as well as many many freshmen. It's being held in Plimpton Hall with a \$50 admission charge, and a rock 'n' roll band will provide music. NOTE: It doesn't start until 9 p.m.

Saturday night is equally vacant with almost nothing on the agenda. And there's a correction on that Senior House affair: it's open only to residents of Sr. House. (Not enough Wellesley girls for the whole campus.) This is all I have, but I could not get through to some of the dorms in time, so check your bulletin boards and social chairmen. They may be receiving notices during the week.

The following weekend, October 19 and 20, will probably see resumed activity in the mixer field. Emmanuel will hold a mixer Friday night in Marian Hall, and the same night will see in-



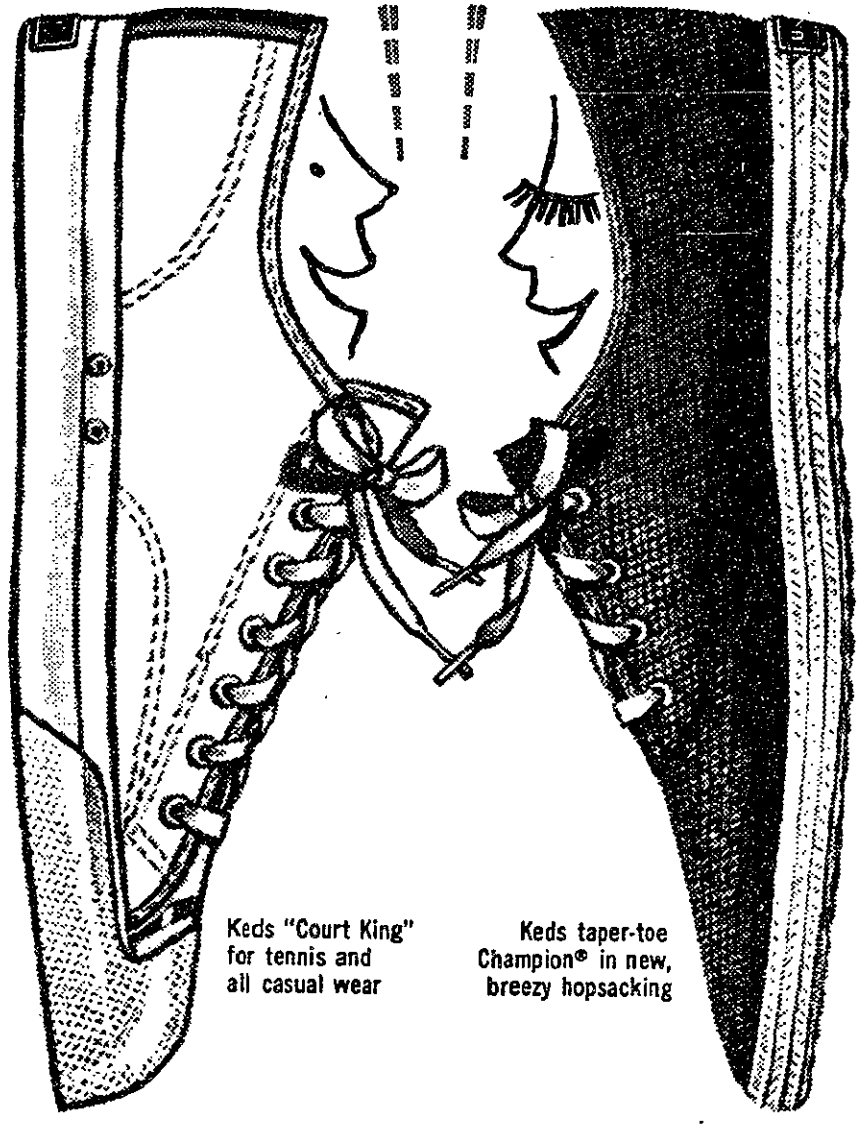
—Photo by Sanford Libman  
Typical scene at the frosh mixer Friday night in Walker Memorial.

vitational mixers at both Towers and Charlesgate, BU.

Other BU dorms, including Harriet E. Richards House and Brook Hall, are also planning mixers and open houses in the near future. I'll give you more details in the next few weeks.

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**TECH COOP**

## Harvard Coop Refunds Half Million Dollars

Over \$500,000 will be refunded to Coop members, beginning Saturday October 13 at the Harvard Store and Monday October 15 at the Technology Store.

The Annual Report of the Harvard Cooperative Society, released Friday, announced total 8 and 10% refunds would run to \$535,000, an average of \$11.75 per member. Sales for the 1961-62 fiscal year exceeded \$8.75 million.

The Society has 45,544 members, 6638 of whom are MIT students. Based upon the Society's total worth of \$2,097,632, each membership represents over 46 dollars.

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# THE TECH

Vol. LXXXII No. 17 Oct. 10, 1962

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Unsigned editorials appearing in THE TECH constitute the opinion of the newspaper's Board of Directors, and not that of MIT. The newspaper welcomes letters from its readers. Space permitting, such letters will be printed in whole or in part, if deemed by the editor to be of sufficient interest or benefit to the community. Brevity increases the chance of publication. Anonymous letters will not be printed. Names will be withheld upon request.

## Aid For Americans

With but a few exceptions, when integration is mentioned at MIT one's mind runs to mathematics. There is certainly no "color barrier" here, no federal marshals or national guard troops. The admissions office painstakingly assures that no applicant mentions his race, creed or national origin when filling out his admissions material. Our fellow students, whatever their origin, are by and large accepted as equals and treated in that way.

In spite of all this, and in spite of the fact that most employers of MIT graduates are equal opportunity employers, the number of American negroes who enter each MIT class remains vanishingly small. The reasons for this are by no means simple; they are not justified by simply stating that not enough qualified applicants exist.

First, there seems to be a widespread feeling, despite the efforts of the admissions office, that MIT does discriminate against American negroes. This is not true and MIT should work to explode the myth. MIT does discriminate, quite inadvertently, by sending their high school admissions "recruiters" to schools most likely to yield the greatest number of applicants. With limited funds available for this purpose, the policy is economically defensible, but it is incorrect to assume that MIT's best students will come from these "glamour" high schools. We feel that this program should be revised to include some of the less fertile yet perhaps just as rewarding schools.

Another disappointing factor which seems to discourage American negro applicants is the feeling that financial aid is not available. It is, but ironically enough, the same laws which prohibit segregation in admissions policies prevent specifically directed steps to encourage negro applicants. It would be wonderful if some philanthropic organization would set up a scholarship fund specifically for aiding negro students admitted to MIT. But until (or unless) this happens, all that can be done is to make clear that the aid is available on the same basis as is the admission.

MIT is in an excellent position to make a dual contribution to our society, by striving to educate excellently qualified people and at the same time helping this minority to help itself. It cannot be done with condescension or special treat-

ment, and it should not be. MIT owes it to itself, and to our negro citizens to make the facts known, and to provide encouragement for all those who feel qualified to attempt an MIT degree.

## Bomb Scare

Within 48 hours of the attempt to break up the MIT Civil Rights Committee's presentation of the major Massachusetts Political Candidates, a hospital for incurable patients in the Metropolitan Area was evacuated because of a bomb hoax.

It is not clear whether the bomb scare calls to Kresge originated on the MIT campus or not; we hope that there is no one here whose mind is sufficiently disturbed to perpetrate such a crime. Falsely reporting the location of a bomb is not a joke: it is punishable in Massachusetts by a fine of up to \$1,000 or imprisonment of up to ten years.

In addition to the consternation the caller created in the people who were aware of the hoax, he forced the Cambridge authorities to impose severe restrictions upon the future use of Kresge Auditorium. We are sure that the entire MIT campus will sooner or later have cause to regret the "no overflow crowds" ruling.

We would like to be sure the caller wasn't on MIT's campus, but we are not, so this is a reminder to anyone tempted to make such a call: you may be biting off more than you can chew.

## Bright Freshmen

Members of the present Freshman Class have received advanced credit for 540 MIT subjects. When more than one-fourth of an incoming class has received advanced standing in normal freshman subjects, special care must be taken to see that these students get a fair start at MIT. A special effort should be made to see that these Freshmen receive proper assistance from their faculty advisers. With tuition and other expenses at MIT at their present levels, any advanced credit received should be used to advantage and not wasted through improper class selection.

Considering the increasing abilities of incoming Freshmen, the Institute has the obligation to match the level of the classes to those students that are taking them. Curricula must be subject to constant review and action, such as the Mathematics Department has taken in the recent revision of 18.01-18.05 must be forthcoming.

New ideas for instruction must be tested, as for example, the very successful Undergraduate Seminar Program which has been expanded this year. In other cases, special advanced sections must be provided for those students who show high aptitude or a strong high school background in individual subjects.

## NDEA II

The House of Representatives has cleared the path for the removal of the "disclaimer clause" from both the National Defense Education Act and the National Science Foundation Act. Considering President Kennedy's dislike of the "disclaimer" portion of the acts while he was in the Senate, no opposition is expected from the White House.

The removal of the clause should open the benefits of the Acts to many of the students who were prevented from obtaining benefits by their own convictions or university policies. Under the revision, it is illegal for any member of a Communist-controlled organization to accept or use any of the benefits provided by the Acts.

## Letters to The Tech

### REVEREND BLOY DISCUSSES MISSISSIPPI

To the Editor:

In response to your suggestion that I comment on the recent Mississippi conflict, I submit the following observations.

First, I believe that the white people of Mississippi are more amenable to change in race relations than the mob violence at Ole Miss would indicate. When I was in Jackson last fall we talked to many whites who took a public stance of unalterable opposition to any desegregation but privately told us that they knew the handwriting was on the wall, that desegregation was coming to Mississippi, and, moreover, that they were ready to accept the change. Even the sheriff and police at the Jackson City Jail admitted this, and one detective felt so badly about our false arrest that one of us became involved in a real pastoral counselling relation with him. In substance, then, I believe that except for a few of the better-dead-than-integrated White Citizen Council members Mississippi is ready for desegregation, at least in the areas of civil justice and public institutions.

But, secondly, Gov. Barnett has fanned the fears of the whites rather than building on their readiness to comply with inevitable change. The reason for this is obvious. Six months ago the News Editor (then a Nieman Fellow in

Journalism at Harvard) of the Macomb, Mississippi newspaper told me that there was not a single newspaper in the state which backed Governor Barnett, that it was common knowledge that Barnett was one of the most corrupt, self-seeking demagogues the state had known, that even the people who had supported and campaigned for him in his successful bid for the governorship had now publically repudiated him, and that he didn't stand the ghost of a chance of being re-elected. But then came the suit of James Meredith and a chance for Barnett to keep his sinking ship afloat by becoming a folk hero to white Mississippians. So, listening to his close political advisor, William Simmons (national head of the White Citizens Councils) Governor Barnett took the politically expedient course, fanning all the latent fears of his ethnocentric constituency to near paranoia, rather than taking the creative, but politically suicidal (for him), course of building on the grudging readiness for change which was also present in the white populace.

Whether Barnett's political play works remains to be seen at election time; it also remains to be seen whether the Barnett-inspired conflict has slowed or increased (an ironic but real possibility) the inevitable movement towards desegregation. But as far as we in

(Please turn to Page 8)

## Kibitzer

By MICHAEL LINAH

**NORTH**  
 ♠ J 10 7 5 2  
 ♥ A K Q 8 3  
 ♦ Q 9  
 ♣ 2

**WEST**  
 ♠ 3  
 ♥ 10 5 2  
 ♦ J 4 2  
 ♣ A K Q J 9 6

**EAST**  
 ♠ 9 6  
 ♥ J 7 4  
 ♦ 8 7 6 5 3  
 ♣ 10 5 3

**SOUTH**  
 ♠ A K Q 8 4  
 ♥ 9 6  
 ♦ A K 10  
 ♣ 8 7 4

South deals. Neither side vulnerable.

**SOUTH** WEST NORTH EAST  
 one ♠ two ♣ three ♠ pass  
 4 no trump pass 5 ♦ pass  
 5 ♠

**ALL PASS**

Sitting somewhere aloft in the heavens, there undoubtedly is a muse whose realm is bridge. It must be so for the game is just too sublime to have been inspired entirely from man. She is smiling now, somewhere Charles Goren is executing a quadruple grand coup to make a seven spade contract, and somewhere else a relative beginner is executing his first squeeze. Well done. But oh! Now she looks ill, and it is today's hand that is causing the trouble.

South opened with one spade, West overcalling with two clubs. North has a really fine three spade bid, and now South perpetrates the horror: "Four no-trump!" with gusto he calls. North has an automatic five diamond bid, showing one Ace. Now back to South again, who now goes into a long huddle trying to decide what to do. Finally he decided on five spades, looking very unhappy when the dummy came down, since six is absolutely cold.

Our muse is a little recovered now, and it appears she is about to say something, "Oh, the four hundred fifty-sixth misuse of Blackwood today! Why was it ever invented? It is such a sim-

ple convention, made to be used in two instances, either when you are sure of slam but want to make sure you are not off two Aces or when you have a distributional hand and the knowledge of the number of Aces your partner has completely determines the contract. But it has become anything and everything but that!

There is the nervous player who gets excited when he senses slam and impulsively bids it. There are the little old ladies who like to find out secrets and consider it exciting to use it. Ugh! there was that fellow yesterday who thought it was illegal to bid slam without using it!

There are such useful other bids for instance, cue bids and the raise to five in the trump suit which could have been used on the hand I just got sick over. If South had only bid four diamonds over his partner's three spades bid. This announces first round control in that suit, plus slam interest. North would bid four hearts, and now South could make a nice bid, five spades. This asks North to bid six if he had second round control in what was either the unbid suit or the opponent's suit, which ever applies, in this case clubs. South would then be in his slam, since North had a singleton club.

When will they ever learn! Oh no!! number four hundred fifty-seven, somewhere at Harvard!

Puzzler: Answer to last week's hand:

As dealer you hold:  
 ♠—, ♥ Q J 10 9 6 5 2, ♦ A K Q, ♣ A K Q

What is your opening bid: Five Hearts. This is a special bid which says the following: "Partner I am interested in nothing about your hand except the Ace and King of hearts. If you have either one of them bid six hearts, if you have both of them bid seven hearts."

This weeks hand:  
 You hold the following hand:  
 ♠—, ♥ A K Q 3, ♦ A Q 10 7, ♣ A Q 9 5 2

What do you bid if your right hand opponent a) opens three spades, b) opens four spades?

Answer Next Week  
 This Saturday, October 13, the M.I.T. Bridge Club holds its Individual Club Championship. It is an excellent chance for beginners to improve their game. Blue Room, Walker Memorial, 1:30 and 7:30 P.M.

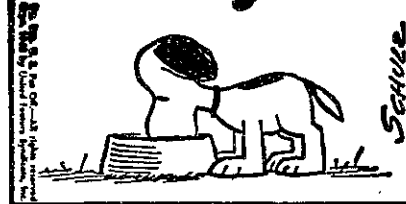
### PEANUTS



I JUST WANT YOU TO KNOW THAT THREE HUNDRED AND FIFTY MILLION DOLLARS A YEAR IS SPENT ON DOG FOOD!



I WONDER IF THAT INCLUDES TIPS!



PEANUTS appears daily and Sunday in the Boston Herald.

## Blackwell, Johnson Granted Fellowships

Two MIT graduates have been granted fellowships by the Rockefeller Brothers Theological Fellowship Program. One is Albert L. Blackwell, '62, now a Fellow at Harvard Divinity School. The other is Richard A. Johnson, '58, now studying at Union Theological Seminary in New York. The grants are for a period of one year.

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## College World

Have you ever tried to take a picture and then find that you needed an explosives permit? The problem was encountered by a sophomore Photo Science class at the Rochester Institute of Technology. The explosives permit, however, was not the only problem.

It all began last year when several members of the Photo Science class organized "Operation Hi-Ball". The project slowly grew until it encompassed the entire class and became a full-time job. The basic idea was simply to send up a balloon with a camera and make like a flying shutter-bug. The problems of aerial photography would be studied and historic views of the campus would be obtained.

Then complications set in. The Federal Aviation Agency has stringent regulations on captive balloons, especially when they are being flown in an airplane. Then it was found that an explosive device was needed to destroy the balloons if they broke loose, and this, in turn, required the explosives permit. Also necessary were airport clearance and in-

## RIT Flying Shutter - Bug Grounded; Univ. of Minn. To Study Egg Shells

By Toby Zidle '63

insurance for everyone involved in the project. Even worse, 24 hours before the scheduled launching time, one very necessary balloon was still being sought.

At 9:45 a.m. on May 18, the final count-down was set and "Operation Hi-Ball" was on its way. Its equipment included a camera capsule made specially for the project by Urethane Foam Installations, containing a Graphic 35 Electric camera loaned by Graflex. The capsule, painted a bright orange, was 43 inches in circumference and weighed eight pounds with the camera.

There were to be two balloons lifting the payload to an altitude of 700 feet, but a third one had to be added at the last minute. Each of the original balloons was 9 feet high, 6½ feet in diameter, held approximately 285 cubic feet of helium, and had a lifting power of nearly 19 pounds.

One thousand feet of 5/16-inch nylon line was attached to the plastic balloons to keep them within the general vicinity and also to make possible retrieval for several more runs.

The balloons were released and it was soon quite obvious that one very important clearance had not been obtained — that of the First Presbyterian Church. The nylon line became entangled in the church ornamentation. The capsule had to be rescued from the roof of a nearby apartment building, while the Rochester fire department had to be called in to retrieve the balloons. The RIT Reporter says that project workers are "optimistic that they will achieve religious clearance yet."

### Plastic Shells Needed

"State Needs Stronger Egg Shells," according to the headline in the *Minnesota Daily*. Unlike balloons, egg shells don't yet come in plastic. Thus they have a tendency to break more easily and, according to University of Minnesota researchers, cost Minnesota poultrymen thousands of dollars each year. To reduce this loss, the University's Department of Poultry Husbandry has been conducting studies on egg shell strength.

The need for stronger-shelled eggs has been brought about by automation and by increased distances which eggs must travel from farm to market. Studies show that up to 8 per cent of all eggs laid are cracked by the time they reach the market.

There are certain physical and chemical factors that contribute to shell strength, the researchers

said. Certain strains of chickens will produce eggs with stronger shells, for example. The diet of the hen — which must contain great amounts of phosphorus, calcium, and vitamin D — also has a notable effect.

Previous results have indicated that the protein content of the shell is of little significance in the strength of the shell. Researchers are now studying the effect of the amino acid content of the shell.

### The Best Of The Worst

Recently, at the University of Michigan, the John Barton Wolgamot Society presented an evening of "the best worst poetry ever written" — poems which were "beyond the distinction of failures."

English professor X.J. Kennedy began the evening by singing a poem written by the unknown temperance poet Katy V. Hall. Called "The Old Filthy Beer Pail," the poem was sung to the tune of "The Old Oaken Bucket" and told the story of a child living in the anguish of a "Sodom of sin" — Chicago.

Keith Waldrop introduced a poem by Alfred Austin, a poet laureate of England, saying that he became poet laureate "because no one else applied." He read two of Austin's lines: "It fell upon his hand/ In warm, wet slop."

Mrs. Rosemarie Waldrop of Michigan's German Department read only one stanza of a poem by Julia Moore because no one could stand a whole poem." Mrs. Moore ("the most infallible of the bad poets — she never wrote a good line") wrote mostly about death by fire, by chicken pox, and by other disasters.

Mrs. Waldrop read a stanza of Mrs. Moore's which said: "While eating dinner/ This dear little child/ Was choked by a piece of beef."

Among other poems read was one by a North Carolina poet about a woman fishing on a boat and getting seasick. The last line was she cast "Her bread upon the water."

In addition to reporting the evening's entertainment, *The Michigan Daily* revealed that the week of June 5-12 had been declared "National Study Week." Apparently there are people who don't want us to become bored with vacation, especially after a week of finals.

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## Entries Now Being Solicited For College Poetry Anthology

The Inter-Collegiate Poetry Congress is preparing its 1962-63 college poetry anthology. Any MIT student may enter. Selections will be based upon poetic merit and chosen from colleges all over the country. Last year three Tech students won. They were Floyd Stecken '62 "En Rapport"; Eugene Vorhies '62, "August, August"; and Patricia Shelby '63, "Secrets."

Entries may be submitted to: Inter-Collegiate Poetry Congress, 203 South Third Street, Lewisburg, Pennsylvania.

All contributors will be notified of the decision and can buy the completed anthology. If accepted, all future publishing rights are to be retained by the author.

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**HARVARD SQ.** UN 4-4580  
"Mr. Hobbs Takes a Vacation" 1:35, 5:35, 9:30  
"Comancheros" 3:35, 7:30  
Wednesday, Oct. 10—Review Day  
"Never on Sunday" 1:45, 5:45, 9:45  
"North by Northwest" 3:10, 7:25  
Starting Thursday  
"Lolita" 2:20, 5:30, 8:40  
"Case of the Mukkinese Battlehorn" 1:55, 5:05, 8:15

**BRATTLE SQ.** TR 6-4226  
"The Hustler" 5:10, 7:30, 9:50  
Mat. Sat. at 2:50  
Starting Sunday  
"A Summer To Remember" 3:30, 5:30, 7:30, 9:30  
Weekdays 5:30, 7:30, 9:30

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GOOD UNTIL OCT. 24

## theatre . . .

# Actors Playhouse Revives 'The Father'

By Charles Foster Ford

August Strindberg, one of the first voices of modern theatre, died exactly fifty years ago. Mystical, tormented, neurotic, Strindberg wrote sixty plays, fashioned often out of his own life. From the wreckage of the first of his three marriages came THE FATHER (1887), revived this week at the little Actors Playhouse in the Hotel Bostonian.

This is a valid, if shallow, interpretation of the play. Marriage is pictured here as a violent battleground upon which two people struggle mercilessly for total domination. For the Captain (George T. Bolton), however, this is a hopeless battle. His household shelters not only his wife Laura (Barbara Leary), but his old nurse (Dixie Bolton), and even his wife's mother. And to Strindberg women are, by nature, unfeeling, unscrupulous villains.

The major campaign in the play is fought for control of the future of Bertha (Ginia Ballard), the daughter of the house. The captain wishes to preserve her independence by training her to be a teacher, and for that purpose would send her to live in town, away from her mother. To prevent this, Laura coldly and deliberately drives the man into insanity using as her major lever doubts as to her own faithfulness, and thus as to the captain's paternity of his own child.

THE FATHER, by August Strindberg, translated by Elizabeth Spriggs; directed by Alan J. Levitt; settings and lighting by David Hoffman; costumes designed by Nyna Brael Polumbaum; act curtain by Robert Wells.

**CAST**  
The Captain . . . George T. Bolton  
The Pastor . . . Erik Winckler  
Nojd . . . Jay V. Pati  
Laura . . . Barbara Leary  
Doctor Ostermark . . . David Tabor  
Bertha . . . Ginia Ballard

This is the motor for this smoothly functioning machine. The subject of paternity arises in the opening scenes: Nojd the manservant (Jay V. Pati) seeks to avoid marriage with a kitchen-maid because "you can never really tell who the father was." Later, as the struggle over Bertha intensifies, Laura seizes upon this same theme as a weapon.

But, once in motion, this powerful motor churns up much more than a pathetic melodrama. In his ramblings, the captain admits his search for a mother, not a lover, in his wife, and Laura's hatred of him is recognized as the reaction of a "mother" who has had her "son" become her lover. It is a genuine tragedy that final self-realization comes to these people when it can no longer do them any good.

Acting in this production is generally good throughout, with the single exception of Ginia Ballard, whose Bertha is neither young, innocent, nor convincing. George T. Bolton portrays the agonizing disintegration of the

captain with terrifying conviction. In Strindberg's time insanity was the cue for garrulousness, not silent forward turmoil. In his soliloquies and rambling dialogues, Mr. Bolton is tense and illuminating where boredom is a danger.

Barbara Leary's Laura suffers, more from directorial interpretation than acting error. She is a cold-blooded, deliberate schemer, but later her question "Do you still believe I am your enemy?", and her statement "I didn't want this to happen; I acted purely by instinct" become false, even satiric in the face of her rational destruction of her husband.

This cold, conscious portrayal of Laura puts more emphasis on the melodramatic structure of the play than is necessary. To make it a whole play, Laura herself should feel trapped by her instincts as much as the captain. Even recognizing these missed opportunities, however, this is a tense, absorbing play.

## Movie Schedule

Wed. Oct. 10 through Tues. Oct. 16 (Unless otherwise stated, the Sunday schedule is the same as the weekday schedule except no movies are shown before 1 p.m.)  
ASTOR—Sun. 2:00; Sun. 7:30.  
BEACON HILL—"A Very Private Affair." 10:00, 12:00, 2:00, 4:00, 6:00, 8:00, 10:00.  
BOSTON CINERAMA—"The Wonderful World of the Brothers Grimm." Mon., Tues., at 8:30; Wed., Thurs. at 2:30, 8:30; Fri., Sat., Sun., 1:30, 5:00, 8:30; Sun., 1:30, 5:00, 8:35.  
BRATTLE—"The Hustler." 5:10, 7:30, 9:50, matinee Sat. (last day) at 2:50. Starting Sun.: "A Summer to Remember." 3:30, 5:30, 7:30, 9:30, weekdays at 5:30, 7:30, 9:30.  
OAPRI—"Anna Karenina," no times available.  
COMMUNITY PLAYHOUSE (Wellesley)—"Bird Man of Alcatraz." Wed. 2:00, 7:45; "My Geisha" and "Merrill's Marauders," Oct. 11-13. No times available.  
COOLIDGE CORNER—"Carry on Teacher." 2:00, 7:45, 9:40, Sun., 1:50, 3:45, 5:50, 7:50, 9:45; "Circle of the Sun," 1:30, 7:15, 9:10, Sun. 1:15, 3:15, 5:15, 7:20, 9:15.  
EXETER—"Waltz of the Toreadors." 2:05, 3:50, 5:40, 7:25, 9:15.  
FENWAY—"Viridiana." 1:37, 3:36, 5:35, 7:34, 9:33, through Wed. Starting Thurs., "Summerskill." No times available.  
FINE ARTS—"White Nights." 5:30, 7:45, 10:00, Sat.-Sun., 1:00, 3:15, 5:30, 7:45, 10:00; "The Mischief Makers," 7:15, 9:30, Sat.-Sun., 2:45, 5:00, 7:15, 9:30.  
GARY—"Barabas," no times available.  
HARVARD SQUARE—Review Day (today only), "Never on Sunday." 1:45, 5:45, 9:45; "North by Northwest." 3:10, 7:25. Starting Thurs.: "Lolita." 2:20, 5:30, 8:40; "Case of the Mukkinese Battlehorn." 1:55, 5:05, 8:15.  
JOHN HANCOCK HALL—"Hamlet." Thurs., Fri., 7:00, 9:30, Sat.-Sun., 2:30, 7:00, 9:30.  
KEITH MEMORIAL—"Lady and the Tramp." 9:30, 12:19, 3:58, 6:57, Sun., 2:40, 5:36, 8:32; "Almost Angels." 10:46, 1:35, 4:24, 7:13, 10:02; Sun., 1:00, 3:56, 6:52, 9:48.  
LOEW'S ORPHEUM—"Sword of the Conqueror." 1:40, 2:55, 6:10, 9:25; "Explosive Generation." 10:00, 1:50, 4:35, 7:50; Thurs. "David Copperfield." no times available; "King Solomon's Mines." "Naked Spur." Oct. 12-16, no times available.  
MAYFLOWER—"The Chapman Report," no times available.  
MUSIC HALL—"The Interns" starting Mon. 2:45, 4:59, 7:13, 9:27, Sun., 1:00, 3:12, 5:29, 7:36, 9:48.  
MIT—Friday, "Maedchen in Uniform." 10:25, 6:30, 9:00; Saturday, "Elmer Gantry." 10:25, 6:00, 9:00.  
NEW ENGLAND LIFE HALL—Opera Film Festival—"Lucia Di Lammermoor" and "Il Barbiere Di Siviglia." no times available.  
PARAMOUNT—"Marco Polo." 9:30, 11:50, 2:10, 4:35, 6:55, 9:20. Sun. 1:45, 4:15, 6:45, 9:15; "Seaward the Great Ships." 11:15, 1:35, 3:55, 6:20, 8:40, Sun. 1:10, 3:14, 6:05, 8:35; Tues., "Tosca." 9:50, 1:45, 5:35, 9:35; "Fuggi." 1:55, 3:45, 7:40.  
PARK SQUARE CINEMA—"Divorce Italian Style." 1:30, 5:30, 7:30, 9:30.  
PIERCE—"Lolita." 9:00, 1:05, 5:15, 9:25. Sun., 1:05, 5:05, 9:15; "World in My Pocket." 11:30, 3:40, 7:50, Sun., 3:30, 7:40.  
SAXON—"Damn The Defiant." 9:45, 11:25, 1:30, 3:35, 5:40, 7:45, 9:50.  
UPTOWN—"Hatari." 12:25, 4:35, 8:45. Sun., 1:00, 4:55, 9:00; "I Like Money." 10:55, 3:05, 7:15; Sun., 3:30, 7:30.



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Wed.—Ramblin' Jack Elliott.  
Thurs.—Tom Rush.  
Fri.—Keith and Rooney.  
Sat.—Eric Von Schmidt, 8 pm-midnight.  
Sun.—Sunday Brunch with the N.Y. Times, 11 am-3 pm; Mitch Greenhill and Zola, 9 pm-1 am.  
Mon.—Film—"The Snake Pit." with Olivia de Havilland, Mark Stevens; director Anatole Litvak. The struggle of an inmate in a mental hospital as she tries to pull herself out of the pit of insanity; 8 pm and 10 pm.  
Tues.—Jackie Washington.  
Wed.—Doc Watson.  
Thurs.—Doc Watson.

## Making the Scene

**MUSIC**  
 BSO Open Rehearsal, Thursday, 7:30 p. m., Symphony Hall.  
 Ustad Ali Akbar Kahn, Indian musician, will give a performance on the sarod, a string instrument, Friday, 7:30 p. m., Kresge Auditorium.  
 The Weavers, Folklore Concert Series, Friday, 8:30 p. m., Symphony Hall.  
 Budapest String Quartet, BU Celebrity Series, Mon., New England Conservatory.  
 Leningrad Philharmonic, BU Celebrity Series, Thurs., Oct. 18, Symphony Hall.  
 Cellist Luis Garcia Renart, playing works of Brahms, Beethoven, Shostakovich and Schumann, Sunday, 3 p. m., Gardner Museum.  
 Dave Brubeck Quartet, Friday, Oct. 19, Donnelly Memorial Theatre.  
 Kingston Trio, Saturday, Oct. 20, Donnelly Memorial Theatre.  
 Orfeon Chorus of Coimbra, Sunday, 3 p. m., Symphony Hall.  
 Modern Jazz Quartet, Friday, Oct. 19, 8:30 p. m., Symphony Hall.  
 Miriam Makela, Sat., Oct. 20, 8:30 p. m., John Hancock Hall, Folklore Concert Series.  
 Woody Herman, Tues., Oct. 23, Boston University Hayden Hall, 8 p. m.

LSC Classic Series, "Maedchen In Uniform." This is the famous classic film depicting a sensitive girl in a fashionable school for girls. Leontine Sagan directs this adaptation of Christa Winsloe's play "Yesterday and Today." Voted the year's best film by the New York Press. (Germany, 1932). Friday, 6:30 and 9 p. m., room 10-250.  
 LSC Entertainment Series, "Elmer Gantry." Based on Sinclair Lewis' controversial novel of the late 20's, which expresses the private life and morals of a religious charlatan. Burt Lancaster, Jean Simmons, Dean Jagger, Shirley Jones, Saturday, 6 and 9 p. m.  
**MISCELLANEOUS**  
 Roscoe Drummond lecturing on "Explosive South America: Democracy, Communism or Fascism?" Ford Hall Forum, Sunday, 8 p. m., Jordan Hall.  
 "Theatre of the Free World." New England Theatre Conference: Arthur Kopit, author of "On Dad, Poor Dad," 10:15 a. m. Scenes from "The Threepenny Opera," by the Charles Playhouse, 2:30 p. m. All in Kresge Auditorium, Saturday, Students, \$1.  
 Hamid Morton Circus, Wed., 7:30 p. m.; Thurs., 3 and 7:30 p. m.; Fri., Sat., 10 a. m., 2:30 and 7:30 p. m.; Sat., Sun., 3 p. m., Boston Arena.

## Two O'Neill Plays Next Weekend

The MIT Community Players will open this year's season with Eugene O'Neill's "The Hairy Ape" and "Before Breakfast." Performances will be October 18, 19, and 20 at 8:30, in the Kresge Little Theatre. These plays are presented in the Players' tradition of opening with little known plays of a well known playwright. Since the first play runs only an hour, the second will be used as a curtain-raiser. Tickets will go on sale weekdays in Building 10, from 12 to 2 p. m. They will be sold at the door or by calling ext. 2910. All seats will be \$1.50. Opening night a reception will be held after the performance.

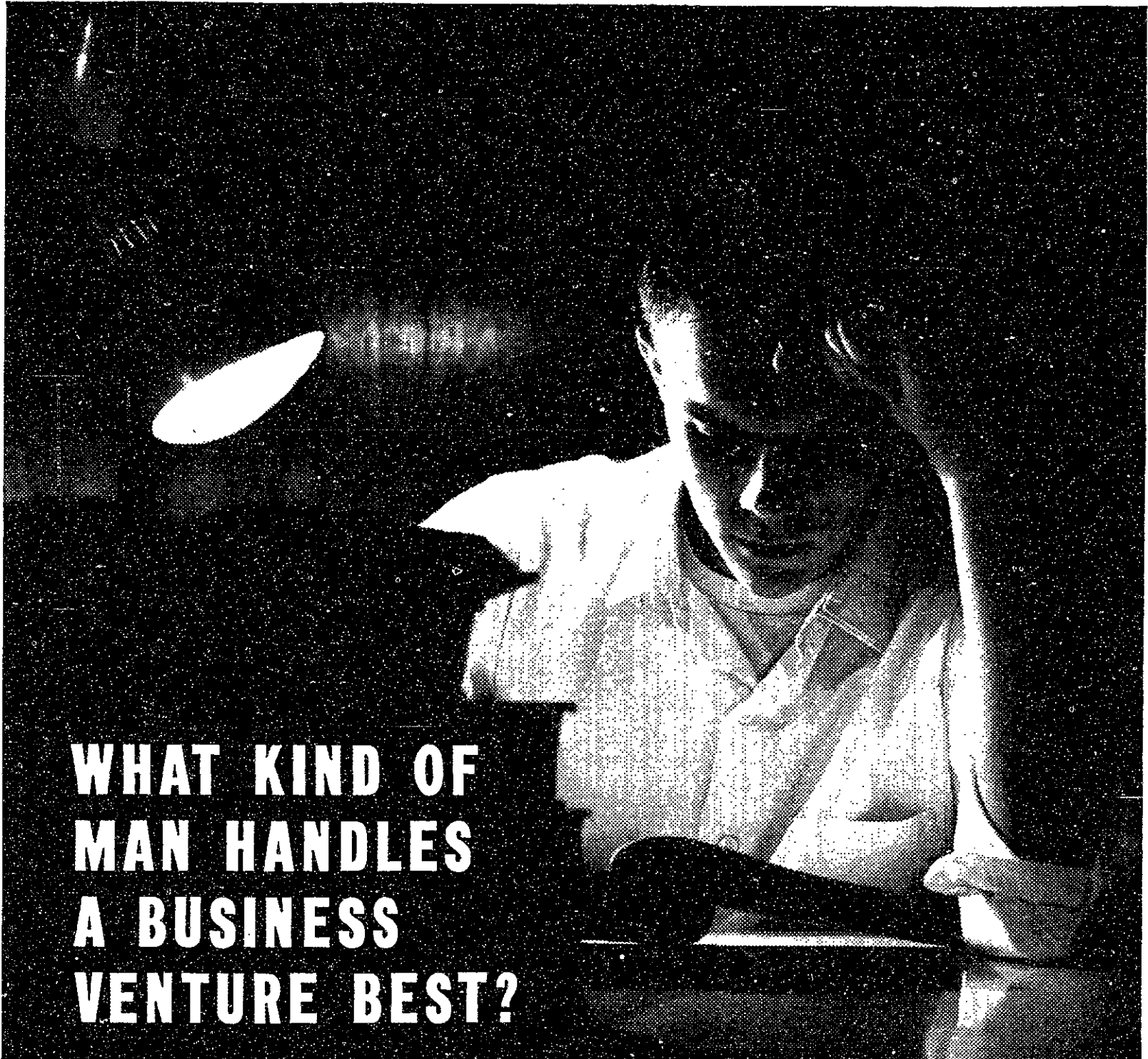
## movies... Bardot Doesn't Even Strip

By Gilberto Perez-Guillermo  
 My first encounter with Brigitte Bardot took place in that memorable film, "And God Created Woman." The film was essentially a vehicle for Bardot, but it was directed with cinematic taste and grace by Roger Vadim. Clouzot's "La Verite," though not as good, received wider acclaim from American critics on the grounds that it had "something to say," while the Vadim film only had "something to show." Louis Malle's "A Very Private Affair" is hybrid, combining elements from Vadim (Bardot the object) and Clouzot (Bardot the subject). In both respects it is a failure. As in "La Verite," Bardot plays her own role. I have always had my doubts about Clouzot's "success" in obtaining "a fine performance" from her, but in this film the failure is much more obvious. Here, in the role of a sex goddess chased by photographers, she is confined to displaying the much-overused Bardot pout. In the Vadim film, her body is amply and variedly photographed. But Malle, to make her more of an object, concentrates on the close-up. Brigitte's face

was never her forte, and furthermore, she refrains from disrobing. Nowhere is there an effective use of her visual charms. New Wave director Louis Malle ("Les Amants, "Le Monde du Silence") is technically pretentious, borrowing shamelessly from Truffaut's "Jules et Jim." The resulting effects are often pretty, but seem forced and out of context. In the Trauffaut film, the allegro pace recreates a mood, a way of life. Here the same tempo seems meaningless. Similarly, most of Malle's techniques "look neat, but..." Some scenes are to be commended: the sight-seeing in Spolitto, the camera running through narrow streets, is the best in the film. Toward the end, the argument between Bardot and Mastroianni, going downstairs, is effective both dramatically and pictorially, an occurrence unfortunately unique in this film. The opening shot of Bardot dancing before the titles) is indeed beautiful with her yellow hair in contrast with a pale blue window in the background. This pattern of yellow, pale blue and white is used throughout the film in compositions that may be pretty but are obviously artificial-lavish distracting lights through the windows, for example. (Contrast with Hitchcock's "Vertigo" or Minnelli's "Some Came Running"). The film is uniformly uninteresting; the number of consistently good directors in the French "New Wave" is decreasing.

Sunday Evening OCTOBER 14 at 8 o'clock  
**ROSCOE DRUMMOND**  
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 "Explosive South America: Democracy, Communism or Fascism?"  
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**Theatre Schedule**  
 ACTOR'S PLAYHOUSE — "The Father," Tues.-Fri., Sun., 8:40; Sat., 7:30, 9:30.  
 CHARLES PLAYHOUSE — "Three Penny Opera," Tues.-Fri., 8:30; Sat., 5:30, 9:00; Sun., 3:00, 7:30.  
 COLONIAL — "Beyond the Fringe," evenings at 9:00, matinees, Thurs., 2:15, Sat. 2:30.  
 HOTEL SOMERSET — Compass Improvisational Theatre — Opens Friday, Fri., Sat., 8:45, 10:15; 12:00; 8:00, 10:30; Sun., Tues., Wed., 9:00; Thurs. 9:00, 11:00.  
 KRESGE LITTLE THEATRE — Friday, Dramashop — "The Can and the Moon," "The Tinker's Wedding," 8:30.  
 WILBUR — "Tchin-Tchin," evenings, 8:30, matinees, Wed. & Sat., 2:30.



**WHAT KIND OF MAN HANDLES A BUSINESS VENTURE BEST?**

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 "And contrary to age-old beliefs, extracurricular activities proved a lesser indicator unless the individual had an outstanding achievement. Mere 'joining' was not enough.  
 "The study indicates, at least as far as the Bell System goes, that there's little opportunity for college students

who practice 'diplomaship'—the belief that a diploma automatically leads to job success. Such thinking will not make telephone service what we know it can be.  
 "The men we want are men with intelligence plus those other attributes that give you the feel, the sense that they will make things move and move well—men who want to excel and are determined to work at it.  
 "Nothing short of excellence will do."  
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**On Campus** with **Max Shulman**  
(Author of "I Was a Teen-age Dwarf," "The Many Loves of Dobie Gillis," etc.)

**WHAT TO WEAR TILL THE DOCTOR COMES**

Now that you have enrolled and paid your fees and bought your books and found your way around campus and learned to hate your roommate, it is time to turn to the most important aspect of college life. I refer, of course, to clothes.

What does Dame Fashion decree for the coming school year? (Incidentally, Dame Fashion is not, as many people believe, a fictitious character. She was a real Englishwoman who lived in Elizabethan times and, indeed, England is forever in her debt. During the invasion of the Spanish Armada, Dame Fashion—not yet a Dame but a mere, unlettered country lass named Moll Flanders—during the invasion, I say, of the Spanish Armada, this dauntless girl stood on the white cliffs of Dover and turned the tide of battle by rallying the drooping morale of the British fleet with this stirring poem of her own composition:

*Don't be gutless,  
Men of Britain.  
Swing your cutlass,  
We ain't quittin'.*

*Smash the Spanish,  
Sink their boats,  
Make 'em vanish,  
Like a horse makes oats.*

*For Good Queen Bess,  
Dear sirs, you gotta  
Make a mess  
Of that Armada.*

*You won't fail!  
Knock 'em flat!  
Then we'll drink ale  
And stuff like that.*



*In 1589 she invented the laying hen*

As a reward for these inspirational verses Queen Elizabeth dubbed her a Dame, made her Poet Laureate, and gave her the Western Hemisphere except Duluth. But this was not the extent of Dame Fashion's service to Queen and country. In 1589 she invented the laying hen, and she was awarded a lifetime pass to Chavez Ravine. But she was not to end her days in glory. In 1591, alas, she was arrested for overtime jousting and imprisoned for thirty years in a butt of malmsey. This later became known as Guy Fawkes Day.)

But I digress. Let us get back to campus fashions. Certain to be the rage again this year is the cardigan (which, curiously enough, was named after Lord Cardigan, who commanded the English fleet against the Spanish Armada. The sweater is only one product of this remarkable Briton's imagination. He also invented the glottal stop, the gerund, and the eyelid, without which winking, as we know it today, would not be possible).

But I digress. The cardigan, I say, will be back, which is, I believe, cause for rejoicing. Why? Because the cardigan has nice big pockets in which to carry your Marlboro Cigarettes—and that, good friends, is ample reason for celebration as all of you will agree who have enjoyed Marlboro's fine, comfortable, mellow flavor and Marlboro's filter. So why don't you slip into your cardigan and hie yourself to your tobacconist for some good Marlboros? They come in soft pack or flip-top box. Cardigans come in pink for girls and blue for boys. © 1962 Max Shulman

*Cardigans or pullovers—it's a matter of taste . . . And so is Marlboro a matter of taste—the best taste that can possibly be achieved by experienced growers and blenders—by science, diligence, and tender loving care. Try a pack.*

**theatre . . .**

**'Tchin-Tchin' Is Delectate Fantasy**

By Charles Foster Ford

Will Steven Armstrong is a genius. His sets for TCHIN-TCHIN fill the Wilbur Theatre with breathtaking space and excitement. Four of his nine sets are outdoor scenes, including one recreating Idlewild Airport. Such masses could easily dwarf this delicate fantasy, and its cast of five. Happily, they do not.

The chaos created by divorce in today's world is the matter of Sidney Michael's play. It is often touching, but a haze of alcohol turns it from a pathetic tragedy into a delight. It unfolds in the atmosphere of a musical comedy without songs.

The play is a succession of scenes defining a state of mind, rather than telling a story. Pamela Pew-Pickett and Caesario Grimaldi come together because their spouses are carrying on to-

TCHIN-TCHIN, by Sidney Michael, based on the play by Francis Billethead; a David Merrick presentation; produced by Warner LeRoy; settings and lighting by Will Steven Armstrong; costumes by Theoni V. Aldredge; directed by Peter Glenville.

**CAST**  
Pamela Pew-Pickett . . . . . Margaret Leighton  
Caesario Grimaldi . . . . . Anthony Quinn  
Robert Pickett . . . . . Charles Grodin  
A Multitude of People . . . . . Jean Barker and Sandy Baron  
A succession of scenes shown through a mellow haze of alcohol. A "musical comedy" without music.

gether, and all their clumsy efforts to prevent divorce are useless. These two lost people, after considerable floundering, come to look upon the end of their marriages as an opportunity for complete freedom. They finally renounce the last vestiges of their former lives; for Caesario, love of his wife; for Pamela, her son. They end the play penniless, positionless, perfectly happy wanderers.

There are many delightful scenes along the way. In the only other speaking role, Charles Grodin, as the son, Robert Pickett, has an interview with Grimaldi about his "intentions." Robert is nineteen, very grey-flannel, very Madison Avenue. His position as marriage-broker for his own mother makes this scene a well-built farce. Robert plays most of another scene noisily locked inside a closet. Outside, Pamela and Caesario, living "together but without sex," try to enjoy their new-found freedom.

In a scene set on a street of West Side brownstones, Grimaldi, now a bum, entices Pamela, liv-

ing on her son, away into the night. An aura of romantic innocence lights them both.

As the play progresses, and these two people become more and more free of the pressures of reality, their actions seem more believable. It is almost as if the play operated on a logic all its own, which has nothing to do with reality at all.

Acting almost as living details of the sets, Jean Barker and Sandy Baron play a number of silent characters: waiter, a hairdresser, a nurse, a charwoman, etc. This profusion of tiny parts serves to intensify the feeling of fantasy in this play. The two main characters seem suspended in their own magical, mystical universe, engaged in incredible adventures. Their final burst of freedom is totally unrealistic, but by then it is much too late not to believe in them.

**Letters:**

(Continued from Page 4)  
The North are concerned I would suggest keeping two things in mind. First, demagogues and bombast notwithstanding, the white South is resigned to change, and desegregation (if not social integration) will be accomplished at an increasingly rapid pace. (Note, for example, the defeat of racist Marvin Griffin in Georgia and the agreement of the New Orleans town fathers to desegregate all public facilities within a year.) Secondly, the front-page conflict in the South should not cause us to lose focus on back-page (Apartments for Rent pages?) patterns of racial injustice in the North. Our patterns of racial injustice are deep, subtle, and complex and will not be solved by phony self-righteousness or even passive good-will: those of us who care must work together, e.g., in the M.I.T. Civil Rights Committee (call Ned Block or me for information, Ext. 2326), and a good part of our action must be focused on political consequences, e.g. our recent "Candidates Speak Out on Civil Rights" night and the just-completed door-to-door Roxbury canvas in which M.I.T. students participated, to bring a higher Negro voter registration.  
Myron B. Bloy, Jr.

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**Will Not Affect Tech**

**Charles Floods Predicted**

By David Vanderwert

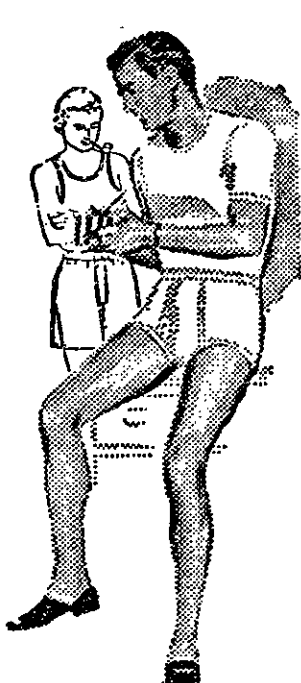
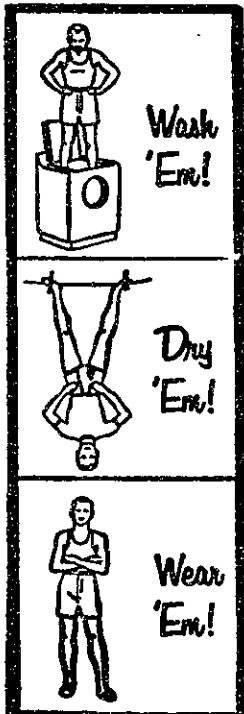
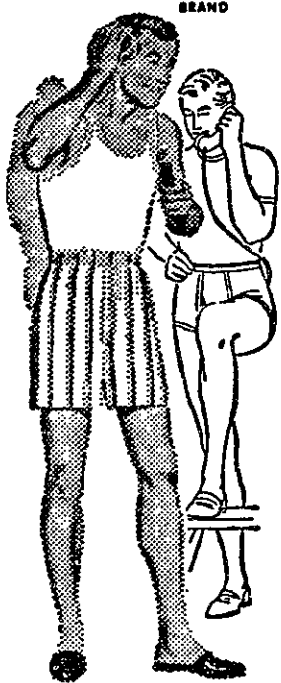
The Boston Public Works Department will sandbag the banks of the Charles River to prevent flooding, if the need arises, Commissioner James Haley said Sunday.

His statement followed the announcement that the river is expected to crest 2½ feet above floor level on Thursday. This statement, attributed by United Press International to the US Weather Bureau, was later qualified by the bureau. The flooding, they said, will occur only at Needham on Thursday morning, and at points up to Watertown later in the day.

The Metropolitan District Commission, said that the level of the river in the lower division has been steadily decreasing from the high point of this storm 109 feet, 8 inches, which occurred Saturday. This is 4 inches below flood level, they said. The commission, in an effort to lower the river below the danger point, has been dumping water through flood gates on the lower Charles. By Sunday the Charles had subsided somewhat, but flooding had forced the MTA to close its underground operations at Kenmore Station on Monday.

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**IM Tennis Tourney Slowed by Rain**

Rain again slowed the intramural tennis tournament, as only two matches could be played off this week. All scheduled matches will again be pushed forward a week unless teams are otherwise notified.

**SPE IN SECOND ROUND**

Sigma Phi Epsilon advanced to the second round on Tuesday, October 2, by topping Phi Delta Theta by 4-1. For Sigma Phi Epsilon, Jim Hufford 63 defeated Harry Barns 66, Don Rockwell 62 edged Bob Gilbertson 63 by 8-6, Keith Joseph 63 downed Juri Kolts 64, and the team of Norm Wagener 64 and John Endriz 64 defeated Juerden Hahn 65 and Roy Carver 65 by 8-1. For Phi Delta Theta, Jim Nick 63 and Don Yansen 63 won a close, 10-8 duel against Dick Miller and Tony Fiorentini 65.

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**Notices**

The MIT Joint Student Branch of AIEE-IRE is sponsoring an open lecture on "Experiments in Sonar" by Prof. Harold E. Edgerton, Dept. of EE. The subject is the study of investigations beneath the ocean floor. There will be slides and demonstrations. It is to be held Monday, October 15 in the Bush Room, 10-105 at 4:00 p.m. "Antiferromagnetism in Metals and Alloys" and "Anharmonic Effects in Crystals" will be the metallurgy colloquium on

physics of solids Tuesdays, October 9 and 16, respectively, presented by the Dept. of Metallurgy. The speakers scheduled are A. W. Overhauser, Ford Scientific Laboratory, October 9 and A. A. Maradudin, Westinghouse Research Laboratory, October 16.

**Tech Show**, M.I.T.'s annual musical comedy, announces a smoker and organizational meeting to be held Monday night, October 15 at 8:00 p.m. in Kresge Auditorium, Rehear-

sal Room A. All those interested in the production or business ends of the show are cordially invited to attend.

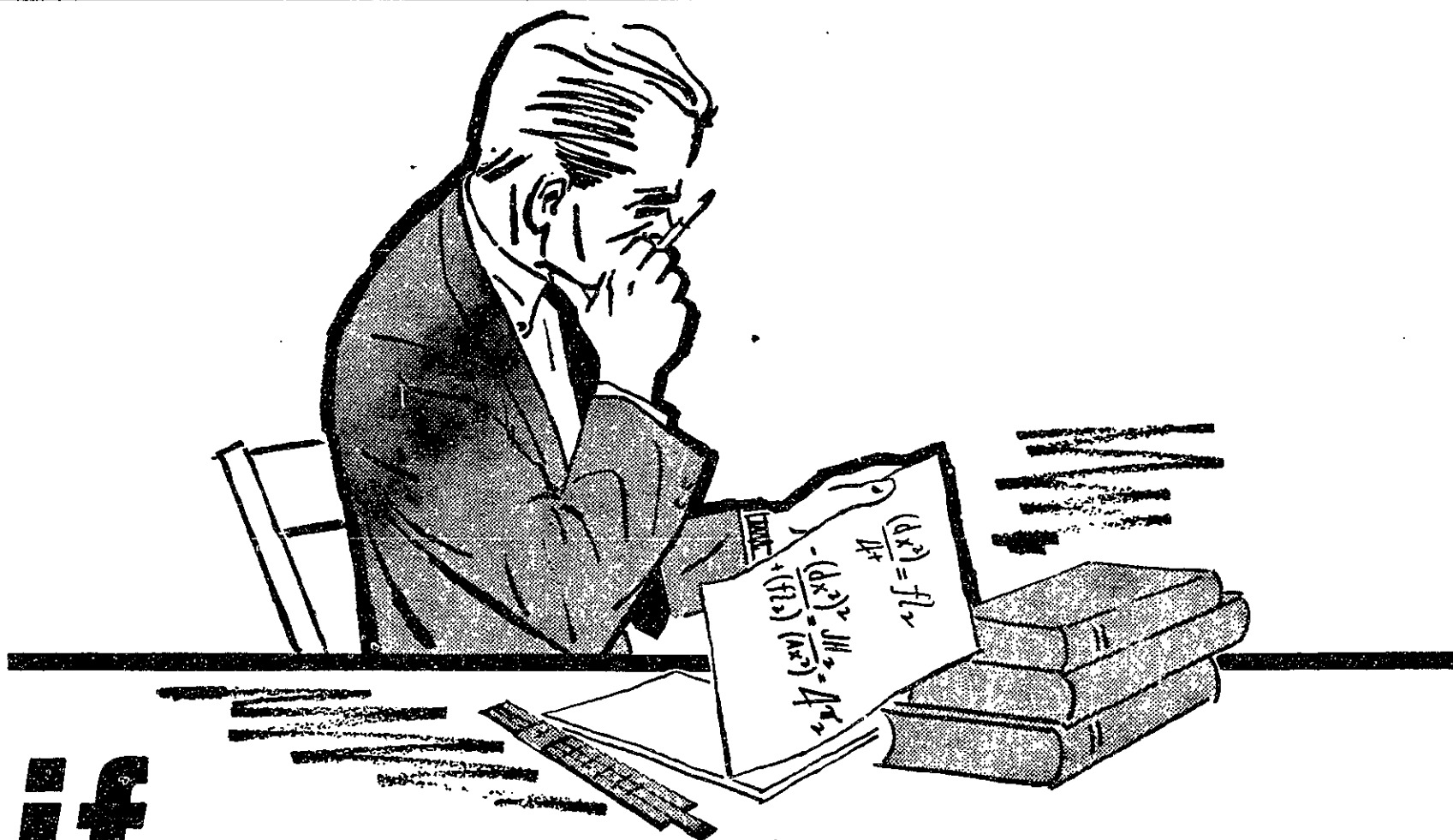
"Gay Nineties," an open bid party, will be given by the Deke house Saturday, October 13, beginning at 8 p. m. Free beer and a band will highlight the evening. All Tech men and their dates are invited. Delta Kappa Epsilon is located at 403 Memorial Drive, Cambridge, Mass.

All students from Australia, the British Isles, New Zealand and Canada will be welcomed

at an open house reception October 10 at 8 p. m. at the International Student Association center at 33 Garden Street, Cambridge. This is the first of a series for informal "nationality nights" for foreign students in the area.

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# America's Mariner II Will Study Venus

Mariner II, America's weird new spacecraft that looks like an interplanetary windmill, speeds on a corrected trajectory towards its planned mid-December rendezvous with the planet Venus. The corrected path will carry the Venus probe on a 36,000,000-mile journey to study the planet at a distance of 9,000 miles. The tiny space probe, which is merely ten feet high and weighs only 446 pounds, is assigned the task of unveiling many of the secrets of the mysterious, cloud-shrouded planet.

The chief assignment of Mariner II will be to determine the exact temperature of the planet's surface. Present evidence describes the temperature about 600° F. However, scientists believe that the microwaves emitted by the planet describing a temperature of 600° may actually result from an extremely dense Venusian ionosphere packed with electrically charged particles. To solve this puzzle Mariner II

carries a dish-type antenna two feet across and mounted on a pivot so it can swivel back and forth through a 120° arc and scan the entire Venusian surface that faces the probe. The Mariner is equipped with two radio receivers to study the microwavelengths of 19.5 mm and 13.5 mm. One receiver will process the data from the 19.5 mm to help solve the temperature-dense ionosphere puzzle.

If Venusian microwaves come from the surface of the planet, which indicates a high surface temperature, then the signal intensity should reach a peak near the mid-portion of each antenna scan. If, however, the microwaves originate in a highly-charged ionosphere, the signals should reach a peak at the outer edges of the disc.

The second radio receiver will process data from 13.5 mm microwavelengths. These wavelengths are characteristic of those emitted

by water vapour and thus may help to disclose the water content of the Venusian atmosphere.

Mariner II has other duties concerning Venus and inter-planetary space travel. Its tasks include the following: studying radioactive particles that will threaten future space travellers in the inter-planetary region and near Venus; investigating cosmic dust particles that exist in uncountable numbers in space; and that they may prove to be another hazard to space travel; analyzing the thick blanket of Venusian cloud cover; charting the currents of the solar wind, a stream of charged particles which continuously pour outward from the sun; and measuring the strength and direction of magnetic fields which influence the planet.

Mariner II was designed by a team of four men, three of whom reside in the Boston area. Included in this team is MIT's own Dr. Alan H. Barrett of Lexington, Associate Professor of Electrical Engineering and researcher in radio astronomy at MIT's Research Laboratory of Electronics. Other members of the research team are Dr. A. Edward Lilley of Cambridge, a noted astronomer and member of the research staff at the Harvard College Observatory; Dr. Jack Copeland of the Ewen-Knight Corporation; and Douglas E. Jones of the California Institute of Technology's Jet Propulsion Laboratory.

# Pall Mall Presents~ GIRL WATCHER'S GUIDE



BATON-TWIRLING HIGH-STEPPER

## CAMPUS TYPE I

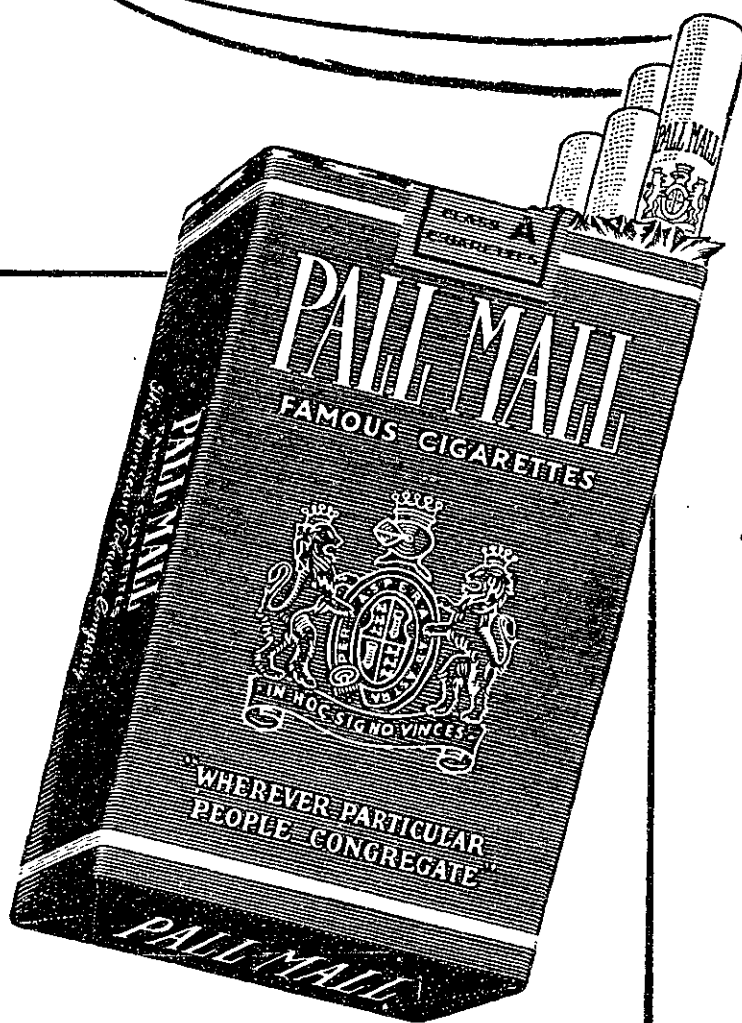
The High-Stepper is an ideal choice for Campus Type #1 for two reasons. First, she is a fairly common species—and second, she is easy to identify.

Just as the bird-watching beginner should concentrate on the Robin, Sparrow and Cardinal before moving on to more exotic species, the girl watching beginner should master the observation and identification of types such as the High-Stepper before progressing to rarer (and usually more difficult to identify) types.

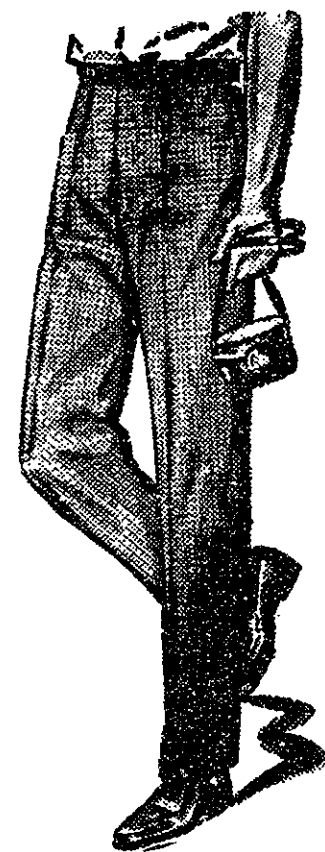
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# Aasnaes, Motor In Net Finals

BY JOHN REINTJES

Despite the heavy rain which deluged Boston last weekend, the first round of the Eastern Collegiate Tennis Tournament was played as scheduled. When Saturday's matches were over MIT had gained berths in both the singles semi-finals and the doubles finals, thanks to the efforts of Ben

& Aasnaes' 63 and Jack Moter' 64.

**Aasnaes To Play Steele**  
Aasnaes, the current national doubles champion of Norway, scored a decisive 12-2 victory over Ron Massey of the University of Connecticut. Bent will play Chauncy Steele 111, of Harvard, Tuesday at 4:00 p.m. The winner of this match will meet Paul Sul-

livan, also of Harvard, in the singles finals Thursday at 4:00 p.m.

Marty Ormond '64 got off to a fast start, defeating Ron Tichon of Stonehill by a score of 12-5. However, he later bowed to Sullivan, the number 1 ranked player in the tournament, 12-3.

**Aasnaes and Moter in Finals**

In the doubles action, Aasnaes and Jack Moter combined to defeat Ray Sauer and George Gray, both of the University of Rhode Island, by a score of 12-3. This team will play Sullivan and Ron Steele, the Harvard doubles entry, who were successful in their match with Ron Massey and Jeff Burack of the University of Connecticut. The doubles playoff will be held Tuesday after the singles matches and will be completed after Thursday's singles finals, if necessary.

A total of six colleges entered the New England division of the tournament. Out of these, the University of Rhode Island, Brandeis, the University of Connecticut and Stonehill were eliminated in the qualifying rounds, leaving Harvard and MIT to battle in the finals. The winner of these matches will represent the New England division at Princeton.

# Golfers Top Rhode Island For First Win Of Season

MIT's golf team scored a decisive 824-832 victory over University of Rhode Island last Wednesday for the Engineers' first victory of the fall season. Earlier the Techmen had dropped contests to Boston College and this same Rhode Island team.

**3 Techmen Card 74's**

Leading the Tech attack were Bill Lakin '64, Gleen Stith '64, and Pete Lubitz '65 who all carded 74's. Low man for Rhode Island was Joe Porter, also with 74.

Rounding out Tech's squad were Bill Lakin '64 and Neil Hull '63 with 81's, Mike Finson '63 and Ralph Cicerone '65 finishing with 83, Emilio Sardi '64 and John Sinnot '65 carding 91's and Don Wismer '65, scoring 92.

**Topped By B.C.**

MIT fell to a strong Boston College squad September 25th by the margin of 4-3 in match play. Graham, Lakin, and Hull won their matches with scores of 73, 73, and 74 respectively. Finson Lubitz, Cicerone, and Sardi dropped their contents.

MIT's four low men Graham (78), Lakin (77), Hull (79) and Lubitz (81) compete Saturday in the ECAC championships at Dartmouth. Next Monday the Beavers close their Fall season with an away match against Brandeis.

# W. R. Chassey Replaces Alex Sotir As New Varsity Wrestling Coach

By John Reintjes

Wrestling requires that a participant devote a large amount of his time and energies to prepare himself for its rigors. These are the feelings of Mr. W. R. Chassey MIT's new varsity wrestling coach. Mr. Chassey was appointed to this post to fill the vacancy left by Alex Sotir, who resigned at the end of last year.

**Guides Springfield Frosh**

For the past three years Mr. Chassey guided the wrestling team at Smithtown High School, Smithtown, Long Island. During the 1958-59 season he coached the freshman team at Springfield College, Springfield, Mass. Previous to his coaching experience, Mr. Chassey was an active participant in the sport. At Springfield College he wrestled for four years and in his senior year he captained the New England champions in the 130-pound class. He also wrestled at Dean Academy in Franklin, Mass.

In his year at Springfield, Mr. Chassey had an outstanding team, and he feels that the present Tech team has many members who compare favorably to the fine wrestlers at Springfield. Our team boasts of three runner-up in last year's New England Tournament in the persons of Terry Chatwin '63 and co-captains Jim Evans '63 and Tom Gerrity '63. Altogether, about ten veterans are returning to the mat this year.

**Chassey Respects Charges**

In the opinion of the coach, wrestling is a very demanding sport and requires a great deal of hard work and determination, as well as excellent physical condition. He tries to treat the boys who make these sacrifices with courtesy and respect.

In addition to guiding the varsity wrestlers, Mr. Chassey will serve as assistant coach in varsity lacrosse.



W. R. Chassey

## Frosh Sports

### Frosh Harriers Fall to Andover

The freshman cross country squad went down to its second defeat of the young season Wednesday, losing at Andover by a score of 24-34, despite a record-breaking performance by Sumner Brown.

**Brown Sets Record**

Brown started slowly, but a brilliant finish enabled him to complete the difficult 2.5 mile course in the previously unequalled time of 13:20.6. He has now been the individual winner in both of this year's frosh meets.

Rob Wesson ran at a steady pace to place second for MIT and third overall. John Ribble, Billy Friedman, and Joe Shafery placed 3rd, 4th, and 5th for the Engineers. Monty Graham sustained a leg injury during the race, but managed to finish.

The coaching staff is still not satisfied with the team's depth

and would like to see more boys come out for the squad.

**Injuries Weaken Soccer Team**

The other major frosh event of the week was a soccer game with the Army Plebes at West Point. Because of a rash of injuries, only fourteen Techmen suited up for the contest which was won by Army 10-1. Acting captain Enrico Poggio scored the lone MIT goal on a penalty kick.

We managed to hold Army to two goals in the first half. As the game progressed, however, our lack of bench strength proved disastrous and allowed the Cadets to win easily. The Engineers were further hampered by the absence of ailing coach Ben Martin who was replaced by Mr. Davies. Dave Eldridge and Carson Eoyang shone in defeat. Also deserving praise is goalie Bob Frankel who made 32 saves in an effort to stem the tide.

## Coach's Corner

### Soccer—World's No. 1 Sport

By Charles Batterman

Soccer is the international game. It is, without a doubt, the most popular game in the world. Aside from the United States, it ranks first in spectator appeal, and participation in every country.

The fervor and zeal of the audiences at games in South American countries, and some of the new African countries have led international incidents. Recently, as reported in the N.Y. Times, there was a city-wide riot, with several serious injuries as a result of a game between two African nations. Referees' lives have been threatened; in Brazil, a moat had to be dug around the playing field to prevent the spectators from doing bodily injury to an unpopular referee's decision.

**Large Audiences Attend**

The stadium in Brazil holds 150,000 people; far more than any stadium in this country. Small countries with a stadium seating 100,000 is not uncommon. And they are filled.

The international cup competition, the World Cup, is truly one of the greatest athletic events in the world.

Soccer is a game of great skill and artistry, and yet, is easily played by the unskilled. This is one of the fine features of the game. Anyone can play—but the game can be developed in a highly skilled athletic form. It takes years to make an outstanding player. In professional soccer, players are bought and traded, as in American baseball; but the figures spent are higher. Recently, \$150,000 has been paid for a player. This exceeds the value of American stars.

**Similar to Hockey**

Essentially, the game is played very much as hockey, lacrosse, or basketball. The field maneuvers are very similar. There are eleven players on a team, consisting of a goalie, two fullbacks, three halfbacks, and five forwards. Ordinarily, the forwards are the ones who score the goals, but good halfbacks do occasionally.

The fullback role is defensive. The goal keeper is the only player on the team who may use his hands, and this only in a restricted area. No other player may intentionally use his arms, or hands to control the ball. They do, however, use their heads, their body, feet, legs and any other part. This skill developed by some individuals in handling the ball is a thing of beauty and amazement to see.

Since the ball is large, and the field quite large, it is a very easy game for spectators to follow. This is part of its appeal.

**Popularity Rising in U.S.**

In the United States, the popularity of soccer is definitely on the rise. The number of spectators at local college games has increased enormously. This is a very healthy thing for the game, and a great bolstering for the players. The game develops competitive feelings, is a marvellous conditioner, and a great joy to play, and to watch.



MIT

## 6 Teams In Finals

### Sailors Race For IM Title

Preliminary rounds of the fall intramural sailing season took place last Tuesday, Wednesday, and Thursday, with six teams emerging as finalists for this week's regatta. It was perfect weather—for light weather sailors, that is, as fraternities dominated the competition, taking the first three places in first round standings.

Last year's champion, Phi Gamma Delta, was back again under the helmship of Bryan Strong and Tom Hastings. Unfortunately for the opposition, the crew looked as unassailable as ever, turning in a solid round of consistent sailing to give them a comfortable first place lead of eight points. Skippers Bill Baile and Harley Jordan of Sigma Alpha Epsilon found themselves again chasing the Fiji's transoms in second place.

**Sigma Chi Places Third**

A new addition to this year's competition, Sigma Chi, placed third, only a point behind SAE. Student House was also looking good in fourth.

The top six teams compete this week in a final regatta Thursday for the Intramural Sailing Trophy.

### IM Basketball Season To Start October 28; First Meeting Oct. 22

MIT's Intramural basketball season is fast approaching with the opening games scheduled for October 28. Again this year the competition will again be divided into A, B, and C division. IM manager Warren Anderson has asked that the following rules be followed:

All rosters and deposits must be turned in at the Athletic Department office by 5:00 P.M. on Monday Oct. 22. Also, a representative from each group entering a team must be present at a meeting at the Dupont Athletic Center at 7:00 P.M. on Monday Oct. 22. A team risks losing its opportunity to play if it fails to meet these two requirements. At this meeting, the division will be formed and all teams will have a chance to voice their desires. As in the past, games will played Sunday through Thursday nights.

1. All rosters must contain at least ten men, in an effort to prevent a team from forfeiting.
2. A ten dollar deposit must accompany each roster. The deposit will be returned at the end of the season if there are no forfeitures.
3. All players playing in the cage will be required to wear sneakers of white rubber only.

## On Deck

- Today, October 10**  
Soccer (F) — Andover, Home, 3:30 PM
- Thursday, October 11**  
Soccer (V) — Tufts, Away, 3:00 PM
- Friday, October 12**  
Sailing (V) — Oberg Trophy, Home  
Soccer (F) — Tufts, Home, 3:00 PM
- Saturday, October 13**  
Cross Country (V) — Springfield, Williams, Away, 1:00 PM  
Cross Country (F) — Springfield, Williams, Away, 12:30 PM  
Golf (V) — ECAC Qualifications, Away, at Dartmouth
- Sailing (V) — Harvard — Tech Trophy, Home**
- Sunday, October 14**  
Sailing (V) — Wood Trophy, Home  
Sailing (F) — Octagonal, Away, at Brown
- Monday, October 15**  
Golf (V) — Brandeis, Away
- Tuesday, October 16**  
Cross Country (V) — Brandeis, Away, 5:00 PM  
Soccer (V) — Brandeis, Home, 3:30 PM

## How They Did

- Cross Country (F)**  
Andover 34, MIT 24
- Golf**  
MIT 832, Rhode Island 824  
Boston College 4, MIT 3
- Tennis**  
Bent Aasnes enters ECT singles semi-finals  
Bent Aasnes, Jack Moter enter ECT doubles finals
- Soccer (F)**  
Army 10, MIT 1

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