

Dining changes forced by deficit

By Carson Agnew

The Twenty Chimneys grill room and Lobdell will not be open simultaneously beginning Feb. 5, according to the general manager of dining services, David Cantley. Lobdell will be open for lunch only from 11 to 2, seven days a week, rather than for breakfast, lunch and dinner as now. The Twenty Chimneys will be open Monday thru Saturday from 2 pm to 1am, and Sunday from 5 pm to 1 am. Twenty Chimneys used to be open for lunch.

The schedule changes are part of a drive to cut the losses which the dining service has been taking over the past few years. Over all, the service is "over-machined" most of the time, because it is geared to the lunch hour rush.

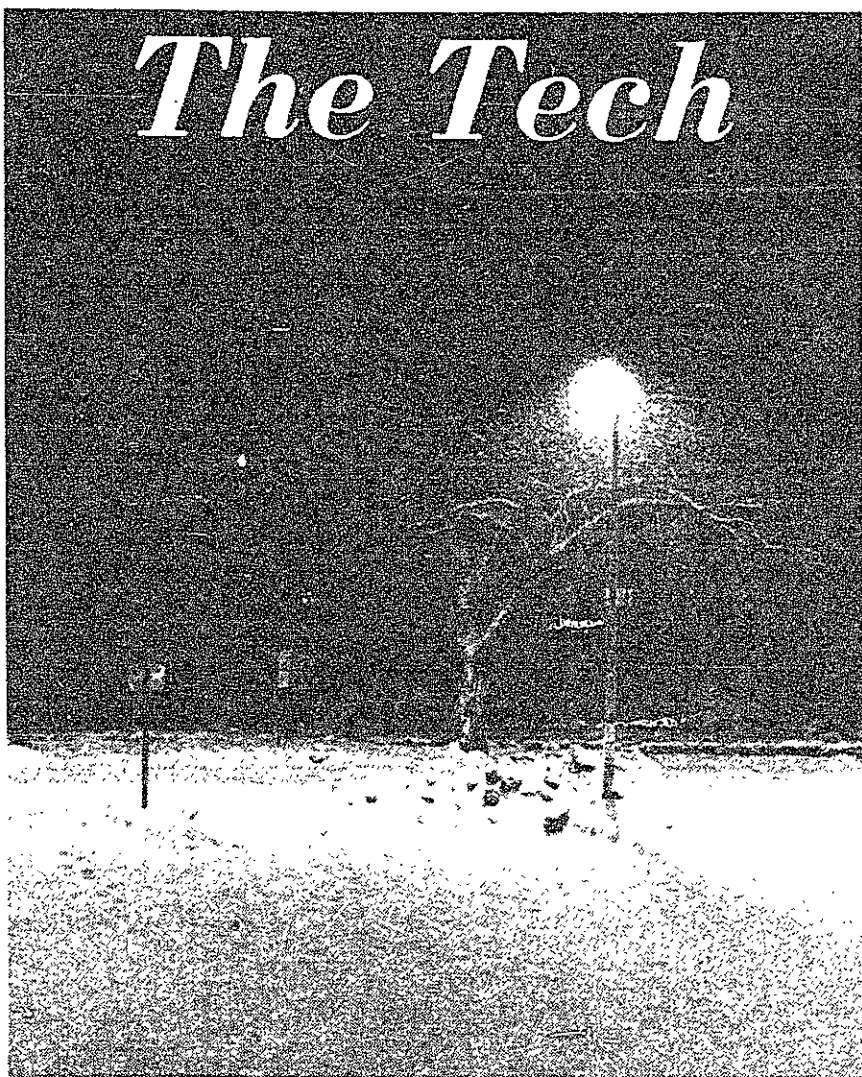
The load among the six facilities, however, varies. Ashdown, although, redecorated last year and is, Cantley says, "by far the best looking . . . on campus," is not being used to its full capacity. Although the Institute doesn't want to have to raise prices in the halls, this will be necessary unless some way is found to make the service break even. They are hopeful, however, that the re-scheduling and some other planned changes will correct the deficit.

One move planned is to eliminate about 250 hours of student help per week. The service has been operating short-handed all year, and sees no problem in this change. Full-time employees will generally be transferred to other jobs. Twenty Chimneys, for instance, will have a full-time grill cook after Lobdell closes.

Other economy moves, such as having patrons remove their own trays from Lobdell, have already had some effect. But much greater savings would be needed if the Dining Services were to break even.

Elections for Undergraduate Association President, Class Presidents and the Executive Committees of the Classes of '69, '70, and '71, and Permanent Class Officers for the Class of '68 will be held Tuesday, Feb. 27.

Petitions and campaign rules will be available in the Inscomm Office, W20-401, after Registration Day, Feb. 5. Petitions must be returned by 4 pm Feb. 19.



Vol. 87, No. 57 Cambridge, Mass., Friday, January 12, 1968 5c

The Tech

CAP keeps 33 units as minimum for 11-S

By Pat Szymanski

Section 1622.25 of the Selective Service Law states that students making "normal progress towards an undergraduate baccalaureate degree" qualify for a 11-S deferment. The policy at MIT in the past and what would appear to be the future policy is that a "fulltime" student is a student taking 33 units a semester.

Requirements contained

The question of exactly what should be required for a student to be classed as fulltime was taken up by the Committee on Academic Performance soon after the Selective Service Law was amended in June, 1967. The Committee's present position is to continue the 33-unit-a-semester requirement. The actual subjects or the courses of the subjects remain unspecified.

The problem of defining the exact nature of a fulltime student has been under consideration at many other Boston area colleges and universities, but the situation at MIT is in many ways unique. The freedom that a student has in the number and type of courses he takes and the fact that he may drop a course as late as two weeks before the end of the semester, present certain problems to the full-time classification. In fact there are some MIT seniors who needn't take any courses during the second semester in order to graduate in June after making normal progress towards their degrees. At other schools a student's curricula for the semester is fixed after only two weeks, and the greater part of his schedule is determined by his selection of a major. The CAP has decided that the most practicable arrangement is to continue the 33 units minimum.

Despite the ruling of the CAP Local Boards will still grant a 11-S deferment if a student has what they think is a legitimate reason for (Please turn to Page 2)

'Snow in Baker' fools nation

By Mark Bolotin

"In the second floor shower rooms at Baker House, they threw the windows wide open and turned the hot showers on full blast. From the showers poured a thick plume of steam. From the open windows came a below-zero icy blast. The experiment was designed to determine what happens when one meets the other."

So claimed Tuesday's edition of the Boston Herald-Traveler, which fell for a hoax perpetrated by Baker residents. The front-page story, with accompanying picture, concluded that "Steam + Icy Air = Snow."

Snow did exist

In reality, there was a considerable amount of snow on the floor of the john, although certainly not the six inches claimed by the Herald-Traveler. Despite the claims of the paper, the snow was not artificially created by the students; it was merely brought in from outside to build a snowman. Unfortunately, the snow was too dry to pack, so the showers were turned on very hot. (It is true that warm water will soften snow enough to make it packable—no hoax.)

However, with the hot showers on, it became necessary to open a window to cool the room off. Suddenly, the room was filled with fog, caused by cold air meeting steam. One member of the crowd decided that this fantastic effect would be the basis for a great hack—a claim that they had created snow.

The newspaper—and most of Boston—fell for it. The paper finally realized that it had been fooled,

when besieged with complaints. Nobody else was able to obtain snow by this method.

Latest responses to the hoax took two extremes. The most common reaction was the reply of one MIT student: "Anybody knows that if you mix hot water and cold air, the only thing you'll get is a cold shower." Nevertheless, one perpetrator of the hoax hoped that they might really be able to create snow. If the room is cold enough and with the right type nozzle on the shower . . .



Photo courtesy of Herald Traveler
Students on the second floor of Baker House outfoxed the Boston Herald Traveler when they carried snow into a shower room, then persuaded the reporter that it was artificial.

Story carried by papers from Jersey to Georgia

News of the supposed creation of snow in Baker House spread far beyond Boston. The news story was picked up by the Associated Press wire service and carried to newspapers and televisions across the nation.

It has been verified that the story was reported in newspapers in Georgia and New Jersey. Television stations in Atlanta, Ga., also presented the story.

According to Mark Rockoff '69, a Baker resident who helped organize the hoax, parents of several other Bakerites called Cambridge to report that local papers carried the story. He added it is likely that the story crossed the country, but that not all reports of its coverage have reached Cambridge.

Thursday morning at 12:45 the denizens of the Student Center were startled by the sound of a blasting fire alarm. As they bravely walked down the stairs toward the cold outdoors, they noticed an inordinate amount of smoke coming from the Twenty Chimneys.

What had apparently happened was that the greasy hamburgers had caught fire. The flames went up the ventilator setting off the fire alarm and emitting choking CO₂ gas. All that remained were charred hamburgers and hungry students.

Publisher's objections force new dorm name

By Dean Roller

One hundred victims of the Institute's housing shortage have recently found themselves residents of a house without a name. The auxiliary dormitory located at 282-290 Massachusetts Avenue was heretofore dubbed Random House until legal complications necessitated the search for a new name.

The events leading up to the present situation took shape in September when the future residents decided to name their dormitory Fasset House. Dean Wadleigh, however, was widely quoted as stating emphatically, "I'll be damned if I will support a move to put a first class name on a second class facility." At first nothing more than a poor pun, Random House gradually became the generally accepted name due to lack of a suitable substitute. Dean Wadleigh acquiesced to the new residents' decision and went so far as to cosign a letter with House President Dan Fingerman inviting Bennet Cerf to the dedication ceremony to be held in February. Over the Christmas holiday, however, Wadleigh received a letter from the attorneys of Random House Inc. of New York requesting "with reluctance" that the residents "refrain from naming the House Random House" and that they "discontinue use of such titles as Random House Rag and Random House Revenger on any publications."

The search for a new name is once again underway. Strong possibilities thus far include Maxwell House (after the illustrious British physicist James Clark Maxwell), Gross House, 288, Robert Hall, Westing House, and Bleak House. Another helpful suggestion was to seek out a second class alumnus after whom the house would appropriately be named. The search goes on.

Rush Week discussed

IFC meets with Dormcon

By Tony Lima

Dormcon and the IFC came to a confrontation over Rush Week at the open meeting held Wednesday in the Student Center. Representatives from both groups were in attendance, including IFC chairman Tom Neal '68 and Dormcon chairman Jerry Grochow '68.

The meeting opened with a criticism of Rush Week from the freshman's point of view presented by Jack Goodstein '71. His two main points were that often rushees would arrive in a house for a scheduled appointment, only to find that the house was full — a particularly annoying problem at meals. Also, the Dormcon program on Sunday did not begin early enough for freshmen who had made up their minds in the morning.

More information needed

One proposal which seemed to gain a wide degree of acceptance was that a list of IFC and Dormcon schedules be sent out with Rush Week registration material. This way, the rushees will realize what alternatives are open to them.

A large problem faced by the freshmen is that they are asked to make a choice without seeing both sides of the picture. This will be in some ways alleviated by the fact that rushees will be housed in all the dorms next Rush Week,

rather than in just the East Campus "hotel" which has been set up in the past.

Grochow brought up the point that dormcon is anxious to expand the program next year. The details will definitely be worked out with the IFC before September, to avoid the complications which occurred this year.

As for the pre-rush meeting, the details remain to be worked out by the future officers of all concerned groups. However, Neal stated that the Dormcon chairman, the UAP and the editor of The Tech will all definitely be invited.

First term grade reports will be mailed to the term address of students on Thursday evening, February 1. The report may be sent to the student at a different address if he goes to the Registrar's Office no later than January 26. Telephone requests will not be granted. Term reports will be sent to the parents of all first-year students.

Lecture Series Committee to present Dick Gregory

Dick Gregory will speak in Kresge Auditorium Wednesday evening at a free lecture sponsored by the Lecture Series Committee. Greg-



Dick Gregory is nationally noted both for his sharp wit and his active role in the civil rights movement.

ory, a comedian and civil rights activist, has just completed a hunger strike. The speech, slated to begin at 8 pm, will discuss civil rights.

Transcripts with first term grades included will be available beginning the week of February 26, if orders are placed now.

Transcripts without first term grades may be ordered up to February 23.

**"Buck Malarkey—
Back McARTHUR"**
Member tag \$1.
COLLEGIANS FOR McARTHUR
Box 4005, University Station
Minneapolis, Minn.

House For Rent

Completely furnished with everything from aprons to xylophone. Available Jan. 26 through Feb. 29. \$300/month. References required. E. Natick. 655-3531.

Loads under 33 units somewhat permissible

(Continued from Page 1)

being below the 33 unit minimum. Many students have found themselves with 32 units and one hour short but still well within the requirements necessary to graduate from their department on time. Others have been even further below the minimum; however, Mrs. Eleanor Lutz, Selective Service Advisor, hasn't had anyone refused the continuation of his SS after having explained the situation to his Local Board.

PART-TIME JOBS

ALCOA has openings which may lead to a career in science, engineering or management.

Call Mr. Hewitt
at 326-3142
to arrange an interview

Portraits by a Professional
Photographer

Unposed and unretouched representative selection on exhibit at faculty club through Jan. 31. Eisa Dorfman, 1699 Cambridge St., Camb., Mass. 868-9765.

All Makes — Large Variety
SQUASH RACQUETS
Tennis & Squash Shop
67A Mt. Auburn St., Cambridge
(Opp. Lowell House)
TR 6-5417

LSC PRESENTS in KRESGE:

FRIDAY

UP THE DOWN STAIRCASE

'Sandy Dennis Is Superb'
7:00 And 9:30

SATURDAY

HOW TO SUCCEED IN BUSINESS WITHOUT REALLY TRYING

Recommended For Course 15
7:00 and 9:30

SUNDAY

The Controversial
Masterpiece by
D. H. LAWRENCE

**LADY
CHATTERLEY'S
LOVER**

8:00 P.M.

(Also in Kresge)

(MIT I.D. Required Except Sundays)

Roommate Wanted

To share modern apartment in Stoneham with '67 grad. About \$80/mo. with utilities.
Call 438-3671 evenings

ENJOY LIFE

(and get paid at
the same time)

K-K-K-Katy, Kenmore Square, has a limited number of openings for male and female help. Waiters, dancers, etc. Many interesting benefits.

Call 536-1950
Ask for Chip Johnson

Club Henry IV

Cuisine par Pierre—
Chef, Prop.

(Formerly with the French Line)

Lunch 12-2 Mon. thru Sat.

Dinner 6-9 Mon. thru Thurs.

Open Friday till 9 p.m.

Saturday till 10 p.m.

(Closed Sunday)

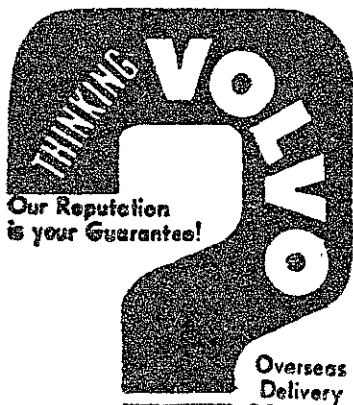
864-9061 354-8388

HEADQUARTERS

- LEVI'S
- LEE'S
- WRANGLERS

CENTRAL WAR SURPLUS

Central Square, Cambridge
433 MASS. AVE.



DALZELL
MOTOR SALES
Rte. 1, Dedham
(Dedham Plaza)
329-1100

RAYTHEON COMPANY ...involved in sophisticated electronic systems utilizing state-of-the-art techniques...will have CAMPUS INTERVIEWS

February 8, 9

Product lines include: Communications, Radar, Missiles, Space, Ocean Systems, Advanced Components.

Openings for:

BS, MS, and PhD Candidates in

- ELECTRICAL ENGINEERING
- MECHANICAL ENGINEERING
- INDUSTRIAL ENGINEERING
- MATHEMATICS
- PHYSICS

For work in:

- RESEARCH and DEVELOPMENT
- DESIGN
- MANUFACTURING
- VALUE ENGINEERING
- FIELD ENGINEERING
- RELIABILITY ENGINEERING
- ENGINEERING WRITING
- OCEANOGRAPHY

Sign up for interviews through your Placement Office, or write Manager of College Relations, Raytheon Company, 141 Spring Street, Lexington, Massachusetts 02173.



An Equal Opportunity Employer

*Half-price to
college students and
faculty:
the newspaper that
newspaper people
read...*

At last count, we had more than 3,800 newspaper editors on our list of subscribers to The Christian Science Monitor. Editors from all over the world.

There is a good reason why these "pros" read the Monitor: the Monitor is the world's only daily international newspaper. Unlike local papers, the Monitor focuses exclusively on world news — the important news.

The Monitor selects the news it considers most significant and reports it, interprets it, analyzes it — in depth. It takes you further into the news than any local paper can.

If this is the kind of paper you would like to be reading, we will send it to you right away at half the regular price of \$24.00 a year.

Clip the coupon. Find out why newspapermen themselves read the Monitor — and why they invariably name it as one of the five best papers in the world.

THE CHRISTIAN SCIENCE MONITOR

FOCUS: U.S. roots, where and how?

The Christian Science Monitor
1 Norway Street, Boston, Massachusetts 02115
Please enter a Monitor subscription for the name below.
I am enclosing \$..... (U.S. funds) for the period
checked. 1 year \$12 9 months \$9 6 months \$6
Name

Street Apt./Rm. #.....

City State Zip

College student Year of graduation

Faculty member

"I'm the COP
Who Makes **XEROX** COPIES"

5¢

3¢

2¢

1st copy of a page 2nd-10th copy, same page 11th copy & over

FREE INSTANT COLLATING Strathmore bond, legal paper available

OPPOSITE PRUDENTIAL CENTER

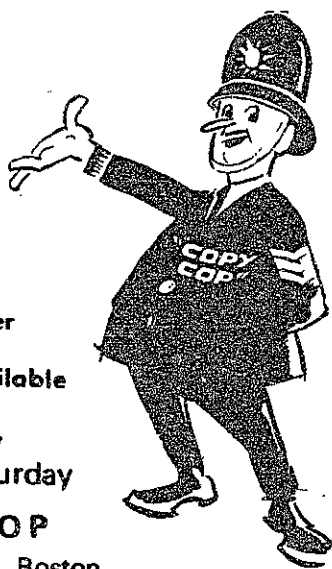
OPEN 9-9 Daily
10-6 Saturday

JUST DIAL THESE LETTERS:

C-O-P-Y-C-O-P

COPY COP

845 Boylston St., Boston



Caltech challenges engineers to cross-country electric car race

Friendly technical competition between MIT and its West Coast counterpart, Caltech, may soon create a diversion from the laboratory to the open road. Wally Rippe, a Caltech engineering student, has challenged MIT engineering students to a cross-country electric car race. Motivating Rippe's challenge is a desire to create public interest in the electric car as a possible answer to pollution and traffic problems and to promote

technical advances in electric vehicles.

Under the rules Rippe has proposed, each team will be required to construct its own car, choose its own route, and keep both its own and its opponent's time. Each team may use as many drivers as it cares to, though all drivers must be in the car throughout the race. Walking and pushing would be allowed, although there would be a penalty for towing.

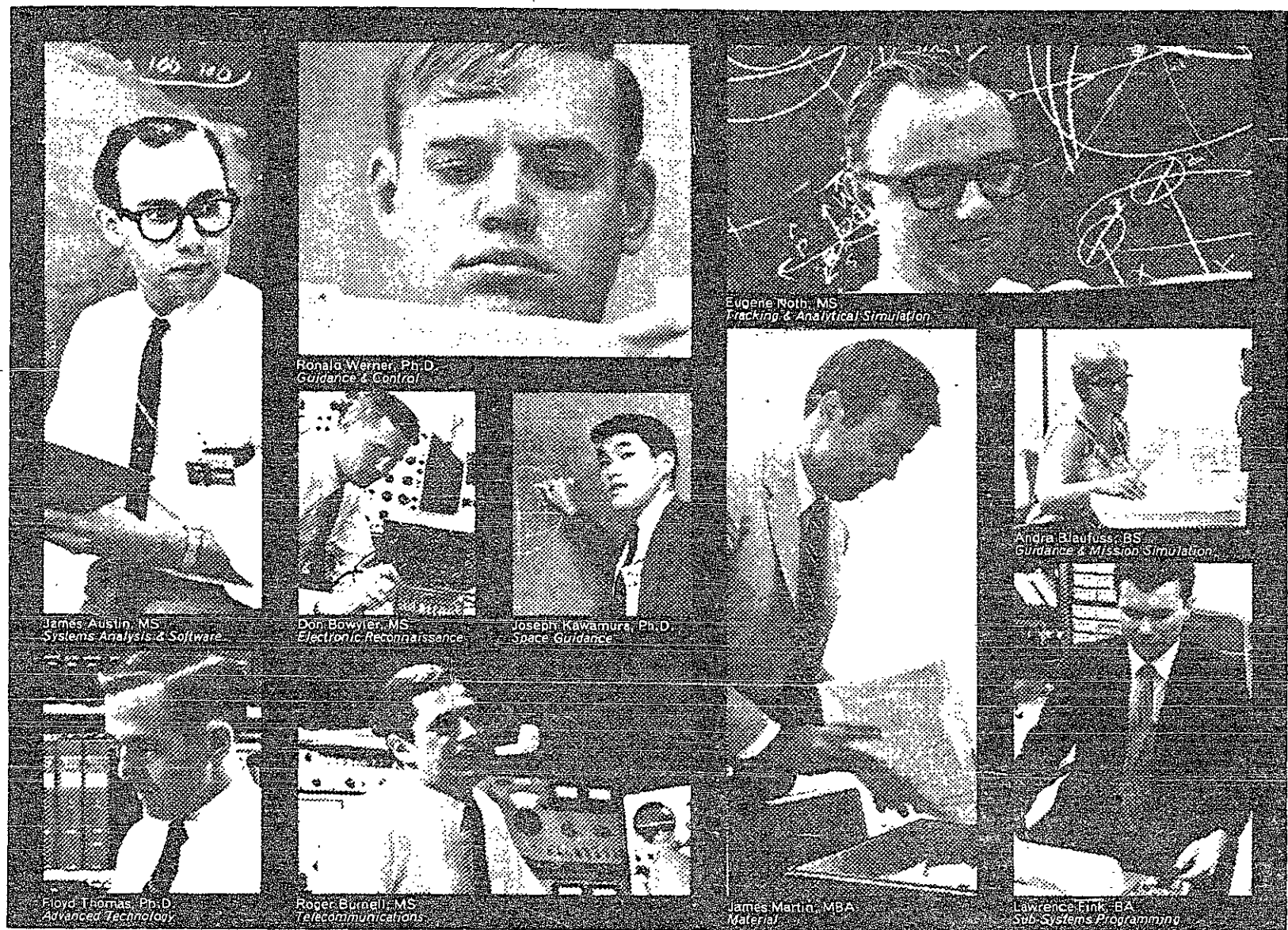
Although electric cars do not yet approach the performance or efficiency of internal combustion vehicles, considerable progress has been made in battery and motor design in recent years. Mars II, an electrically powered Renault 10, completed a trip from Detroit to Phoenix this fall at an average speed of 50 mph. Supporters of the electric car concept maintain that electric cars, in addition to being pollution free, will be cheaper to buy and run than conventional cars.

A call to the colors

Now is the time for loyal engineering students to come to the aid of their school. Since Rippe would like to begin the race at noon, July 1, 1968, students interested in participating in this project are needed soon. Professor David Wilson of the Department of Mechanical Engineering is coordinating our effort and can be contacted by interested parties in his office (31-267) or by x2237.

Student Center Committee Chairman Jack Rector '68 has announced that the Student Center Library will be open to only MIT students effective through Thursday night of finals week. Also during this period, "live-ins" will not be allowed. Rooms for people with dates will be available on the mezzanine.

TRW is success by association



From Los Angeles to Houston to Washington, from Space Systems to Ocean Systems to Information Systems, young people are making things happen at TRW.

Take a look around any TRW location. The young faces outnumber the old by a good margin. The vast majority of scientists and engineers you'll meet are under thirty, or forty at least. Why? Because we depend on young ideas, new ideas, fresh ideas. That's why we need you.

What kind of a place is TRW? Ask around. Talk to your professors and faculty advisors, or your friends who are already working with TRW. Most of our professional employees applied to TRW on the recommendation of friends.

Here are some of the disciplines where new graduates may find career opportunities at TRW:

Computer Sciences/Analytical Research / Aerosciences / Information Systems / Digital Systems / Communications Systems/Reliability/Guidance & Control / Sensor Systems / Microelectronics / Electric Power / Space Vehicle Design / Antenna Systems Design and Analysis / Mechanical Engineering / Product Assurance / Integration & Test / Systems Engineering / Circuit Design / Electronic Countermeasures & Electronic Intelligence Systems

If you'll be receiving your degree (Ph.D., MS or BS) in Engineering or Science this year, check with your Placement Director and talk with us

while we're on campus. If you can't make it at that time and would like to be considered for openings in the Los Angeles area, Houston or Washington, send your resume to: W. D. McIvers, College Relations, TRW, One Space Park, Redondo Beach, California 90278.

An Equal Opportunity Employer



TRW (formerly Thompson Ramo Wooldridge) is 60,000 people at 200 operations around the world who are applying advanced technology to space, defense, automotive, aircraft, electronics and industrial markets.

ENGINEERS AND SCIENTISTS

TRW CAMPUS INTERVIEWS

WED., THURS., FRI., FEBRUARY 7-8-9, 1968

SEE YOUR PLACEMENT OFFICE



FRANK SLYKER

BSE, NA&ME, U. of Michigan, entered Bethlehem's Shipbuilding Department through the Loop Course. As an engineer in the naval architecture division of CTD, Frank prepares preliminary design presentations for proposed new ships and major conversions, and contributes to design aspects of vessels under construction.

MANAGEMENT MINDED?

Career prospects are better than ever at Bethlehem Steel. We need on-the-ball engineering, technical, and liberal arts graduates for the 1968 Loop Course. Pick up a copy of our booklet at your placement office.

An Equal Opportunity Employer in the Plans for Progress Program

BETHLEHEM STEEL



Hello, Goodbye

At the brink — the last Editorial of Volume 87 — the Editor usually brings together some last thoughts about MIT, floats out some words of farewell and good luck, and thus ends his term of office. But, this Editorial is as much a Hello as a Goodbye. It should be a Hello, because in a sense The Tech has failed to address itself directly to the students; it has referred to them, pandered to some of their passing concerns, and has spoken about them. But, The Tech has failed if it does not look squarely into the eyes of the students and confront them with themselves. In that sense, this is Hello.

But whatever the failings of The Tech, they are only symptomatic of the larger failings of MIT.

A few months ago we received a letter from a Tech graduate, now in graduate school in California. He wrote of the differences between the two schools, noting that in some ways MIT was better, but in some ways worse. He said, "This campus is buzzing with talk — not about tomorrow's 6.01 problem set, but about tomorrow's world. Around here, people talk as much about Vietnam and the draft as they do about lasers . . . And at (), after talk and deliberation comes strangely enough action . . . I'm not saying that one has to find a cause or a new experience and go out and push or do it. I'm only saying that something seems wrong with an atmosphere in which "brilliant" people find nothing in this whole world which excites them enough, or troubles them enough, or needs improvement enough, for them to get out and exercise their brilliance. Why MIT stifles action instead of promoting it, I don't know; maybe it is an untenable work load, maybe it's deliberate calming down by the administration. Whatever the cause, the result is discouraging to say the least."

It is more than discouraging to observe the indifference and unabashed apathy exhibited at MIT, it is obscene. It is obscene because the students here are purported to be something special, something important to society, something unique. It is obscene when the supposed intellects in abundance here are "oblivious to social issues of any kind and will probably go on celebrating Homecoming while the world burns." (That is quoted from Ray Mungo, former Editor of the B.U. News, and the last person anyone would expect to find quoted here.) The student body seems frozen by the paroxysms which followed Sputnik, unaware that a larger struggle for peace and human dignity has transcended the race to the moon.

The problem of student life in general is not one of freedom, but of irrelevance. The question here is not whether there be more student power, but power for what purpose?

The administration at MIT is not guilty of denying students their rights, of suppressing them, or halting their actions. It is guilty of a system far more subtle, and hence far less easy to detect or combat than any heavyhanded establishment. The administration has made a second-class partner of the student and especially of the so-called student leaders. But in forming the facade of partnership, the students have not realized the consequences of their pact, nor have they been aware of the price they pay. The administration has crucified the students on a cross of responsibility. It has made incompetence (in the narrow, bureaucratic sense of the word) a cardinal sin. (The greatest accolade heaped upon a prospective Finboard chairman is that he is "competent;" or the talk is about the

"competent" engineer, never the creative one.)

The Tech, for instance, has traditionally been on excellent terms with the administration. The administration has obliged itself to keep us informed, usually far in advance of actual publicity dates. It has flowed forth with a running stream of advance notices, conferences, and especially off-the-record items. This intensive briefing (partnership if you will) demands only one price: responsibility. But responsibility to whom? To the students? There is a price for such a relationship Ray Mungo would term incestuous. While the administration demands only responsibility — that which is off-the-record remains so, what is "unprintable" is not printed — it may exact a dearer price: allegiance. The subtle favors granted — mailing rights through Institute mail, briefings by the President from time to time, phone calls on important occasions — all work a subtle unconscious allegiance to the administration's point of view. And such an allegiance is a more effective censor than any brutal coercion.

This same incestuous partnership is even stronger between student government and the administration. While the student government has all the organs of administration at its disposal, running activities, controlling funds, conducting studies, making recommendations — it at all times maintains such vital links with the administration that it becomes unconsciously hamstrung by it. Priding themselves on responsible behavior, the student leaders become themselves super-administrators. The result: the student government becomes irrelevant to the students, and at worst, an establishment unto themselves, removed from the students.

Justification, indeed encouragement, of the kind of behavior represented by student activities here includes the phrase, "total educational experience." The personal growth, gains, and benefits attributable to extra-curricular participation, in conjunction with the academic process, are supposed to produce the "complete student" — knowledgeable, worldly, profoundly competent, experienced. But, the total educational environment at MIT, more often than not, teaches one only how to interact in one's own milieu, not with the total world. Student life insulates the student from the realities and priorities of the world. Too often, a student's values about his society go unquestioned here, they are reinforced; the humanities and social sciences are mere frills of education, their status is that of adornment, not an integral part of development.

We earlier raised the question — responsibility to whom? We believe the students here have a responsibility to themselves to recognize the larger world in which they find themselves. We believe that MIT has a responsibility to provide as much encouragement in that direction as possible. We believe we have a responsibility to MIT to present it accurately and honestly — which may not always be the same image as public relations and the administration. And foremost, this newspaper has a responsibility to the students to deal honestly and completely with the graver concerns of all our lives — to express ideas because they are relevant, not because they are popular or uncontroversial. If this newspaper fails in that regard, MIT is all the poorer for it, and every student who is concerned and has never voiced his complaint, or who has never offered his help and opinions, is to blame.

footnotes*

by Michael Warren

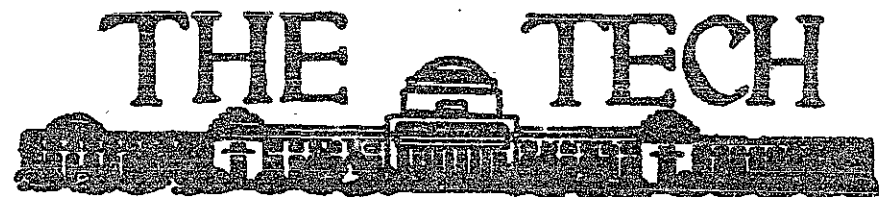
133. The extremely cold weather of the past week has taken more than the normal winter toll of automobiles troubles. Everywhere one looks, there are cars lying at the side of the road buried in snow, and in the mornings, the number of cars which won't start astounds the imagination. Various means have been employed to start cold engines, but none more ingenious than that used by the owner of a Volkswagen stranded in front of Building 31. This innovator borrowed a heat lamp and a long extension cord, and then put the lamp in his engine compartment, while he waited for the heat to do its trick.

134. Four out of the next five fall terms will have Registration Day conflicting with the Jewish High Holy Days. To eliminate the difficulties arising, it is probable that there will be two days on which students may register.

135. Anyone taking or having taken 21.97 knows Professor Lettvin's philosophy on grades. The course expects a research paper, and Lettvin announced

that if a student hands in a paper which is not obscenely bad, he would get an A. If the paper fell into that latter category, the student would receive a C. Lettvin continued to explain his grading policy, stating that he would hand out a take-home final, and that anyone not having written a paper, but doing the final and receiving higher than 0 (the exam would be graded from 100 to minus 100) would receive a B. Those scoring above 25 would receive an A, and those below 0 would get a C. Having enunciated his policy, Lettvin asked for approval from the class. From the back of the room someone squeaked: "I don't think you should give C's." Lettvin, hand to jaw, pondered the remark for a few seconds before turning to the class and announcing "All right, you talked me into it."

136. As the new Board of The Tech prepares to take over the reigns of operation, would somebody please give Tom Thomas '69 a key to the board room?



Vol. LXXXVII, No. 57

Jan. 12, 1968

Chairman	Guille Cox '68
Editor	Mike Rodburg '68
Managing Editors	John Corwin '68, Tom Thomas '69
Business Manager	Dan Green '68
News Editor	Mark Bolofin '68
Features Editor	Michael Warren '69
Sports Editor	Tony Lima '69
Entertainment Editor	Jack Donohue '69
Photography Editor	Bill Ingram '68
Advertising Editor	Nick Covatta '68
National Advertising Manager	Jack Swaim '68
Associate Managing Editor	Greg Arenson '70
Associate News Editor	Steve Carhart '70
Associate Sports Editor	George Wood '70
Intramural Sports Editor	Joel Hemmelstein '70
Associate Entertainment Editor	Barry Minitick '68
Associate Photography Editor	Jeff Reynolds '69
Accounts Receivable	Pat Green '69
Assistant Advertising Manager	Regan Fay '70
Controller	Steve Kinney '70
Treasurer	Steve Tharp '71
Secretary	Linda F. Stewart
Photography Staff	Harold Iuzzolino G, Larry-Stuart Deutsch '67, Morris Markowitz '68, Bob Reed '68, Dave Pack '68, Steve Silverstein '68, Tom Dooley '69, Pete Blicher '69, George Flynn '69, Dale Stone '69, Stan Hoderowski '70, Kanth Rao '70, Brad Williamson '70, Mike Venturino '70, Steve Lee '70, Terry Bone '70, Steve Gretter '71
Entertainment Staff	Jack Bernstein G, Orville Dodson '68, Jeff Stokes '68, Dave Grosz '69, Roy Furman '71, Peter Lindner '71, Zane Segal '71, Randy Hawthorne '71, Raisa Berlin '71
News Staff	Dave Kaye '68, Peter Meschter '69, Carson Agnew '70, John Foran '70, Jack Katz '70, Don Minnig '70, Dean Roller '70, Pat Szymanski '70, Karen Wattel '70, Barry Weiss '70, Greg Bernhardt '71, Jay Kunin '71, Mike Mihalka '71, Paul Johnston '70
Managing Staff	Karen Wattel '70, Larry Silverston '70, Leslie Horwitz '71, Wells Eddleman '71, Jim Altman '71, Lee Swislow '71, Bill Hahn '71, Mitchell Serota '71

Second-class postage paid at Boston, Massachusetts. The Tech is published every Tuesday and Friday during the college year, except during college vacations by The Tech, Room W20-483, MIT Student Center, 84 Massachusetts Ave., Cambridge, Massachusetts 02139. Telephones: Area Code 617, 876-5855, and 864-6900, extension 2731. United States Mail subscription rates: \$4.25 for one year, \$8.00 for two years.

Photo of main building by Steve Gretter.



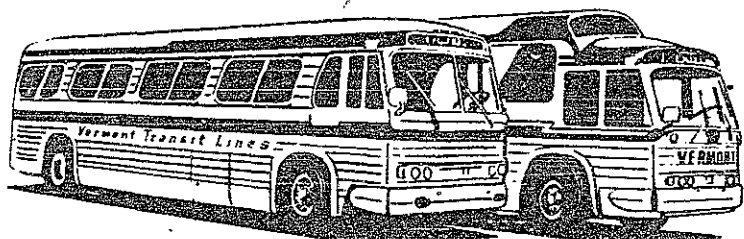
GO! Vermont Transit SKI BUSES To 13 Major SKI AREAS



Convenient Vermont Transit Bus service to 13 famous Vermont Ski Areas! Leave on Fridays, return after skiing on Sundays. •Additional weekend connecting service plus daily connecting service to Stowe. • Why be in the driver's seat? Avoid tiring driving. Go on modern rest room equipped Vermont Transit Buses!

**STOWE
KILLINGTON, PICO
MT. SNOW, HAYSTACK
MAD RIVER, SUGARBUSH
GLEN ELLEN
BROMLEY, HOGBACK, MAGIC
SNOW VALLEY, STRATTON**

Convenient Daily Service to Northern New England Points



VERMONT TRANSIT LINES
GREYHOUND TERMINAL

10 ST. JAMES AVE. TEL. 423-5810

NoDoz[®] announces the



... to take when it's midnight and you've still got another chapter to go.

Midnight. That's NoDoz' finest hour. But you should know that NoDoz can do more than help you stay awake when you're cramming.

For example, if you're tired or drowsy take a couple before the

exam to help bring your mind back to its usual keen edge. Or if you've got a sleepy-type lecture to look forward to, or the monotony of a long drive home, take NoDoz along for the ride. It'll help you stay alert.

Yet it's non-habit-forming. NoDoz. The scholar's friend.



THE ONE TO TAKE WHEN YOU HAVE TO STAY ALERT.

LSC Presents

DICK

GREGORY

Wednesday, January 17, 8 p.m.

in Kresge. **FREE.**

MIT ID Required

Technology Student

(This is an article written for THE TECH by Alfred Singer '68, chairman of the Activities Executive Board and Editor-in-Chief of Technique 1968. Singer, a member of Alpha Epsilon Pi fraternity, is a humanities major from Port Jervis, New York.)

95 Vassar Street is the focal point of more suspicion, accusations, and controversy than MIT has seen since a chairman of the Lecture Series Committee was rumored to be within a hair's breadth of arrest. The difference between today's doubts and those of two years ago is that today's suspicions are harbored by undergraduate members of the MIT Community while the intrigue surrounding LSC involved the Dean's office, a few members of student government, and the Cambridge legal authorities.

Creation of TSE

Technology Student Enterprises was created as an independent, chartered corporation by simultaneous efforts of the Dean's Office and Institute Committee. It was created by the purchase of five thousand dollars of TSE stock by MIT, with two ideas in mind: (a) it would serve as a means of providing entrepreneurial experience for interested students, and (b) it would perform services at low cost to the MIT Community.

TSE is the only recognized profit-making activity at MIT. That in itself is enough to make its relationship with the undergraduate community an uneasy one. But in addition, this fall TSE has been accused of several allegedly illicit activities by students who either have worked for TSE or who have had only peripheral dealings with it.

Collegiate Sampler created furor

(1) Students were greeted this fall by accusa-

tions concerning TSE's Collegiate Sampler service. As last year, Collegiate Samplers were being sold to MIT students. (Possession of a Collegiate Sampler qualifies the bearer to a substantial discount at many stores and theaters in the area.) This time, however, TSE stated the samplers were being sold without their authorization, and hence were being sold illegally. In addition, last year's Sampler agent was quoted in The Tech as saying that he refused to work for TSE again, charging that it is 'immoral.'

Other travel services cheaper

(2) TSE's Tech Travel Service is charging \$265 for a round trip Christmas flight to California, while Crimson Travel Service, a commercial agency having no affiliation with Harvard, offers a round-trip ticket by jet to California for only \$200 during Christmas. This discrepancy comes on the heels of charges last year that TSE's summer charter flights to Europe were overpriced.

Proposed tuxedo rental service hits snag

(3) This fall TSE was on the verge of inaugurating a Tuxedo Rental Service. A contract was to be signed between this proposed agency of TSE and Manhattan Formal Wear, stipulating that all tuxedo rentals from Manhattan on the MIT campus would have to be handled through TSE. The result of this would have been two-fold. First, living groups which have in the past made their own arrangements for tuxedos for such events as Junior Prom with either Manhattan or Brookline formal wear (which is now owned by Manhattan) for the price of \$8.50 per tuxedo, would have had to pay \$9.50 for the same

tuxedo, the price TSE had tentatively decided to charge. Also, A-Ball Committee, a group of students representing the Walker Dining Staff, which supervises A-Ball in the spring, would no longer be able to subsidize its formal dance by revenue acquired by handling the tuxedo rentals for those attending the dance. The reason these effects would have been so severe is that Manhattan is the only formal wear agent in the entire Boston area which has enough tuxedos to fill the demand and is willing to offer them at a reduced price to the MIT Community.

Lack of communication blamed

Each one of these events, which seems to indicate some foul, or at least unethical, play on the part of TSE, actually reduces to one basic problem—TSE's management has thus far been unwilling to communicate with either the undergraduate community or its representatives in student government. The explanations for each of these occurrences are relatively straightforward; and it is only a matter of making BOTH explanations and discrepancies known.

Misunderstanding faulted

(1) The problem with the Collegiate Samplers this fall was a misunderstanding among TSE, the previous Sampler manager, Joe Fiksel, and the owner of Collegiate Sampler. Fiksel refused to sell the samplers again, primarily because his profit for quite a bit of work was under \$40.00. TSE understood this, but the owner of Collegiate Sampler did not. The owner therefore arranged to have girls selling the Sampler at MIT, thinking that arrangements similar to last year's were in effect. When the salesgirls were questioned as to who had authorized them, they gave the name of Joe Fiksel. He, of

course, de-
ened out,
an 'imm-
TSE show
which
tioned ab-
amount
what he
The real
plers TSE
error was
gross in-
reason—
pler to th
TSE the
rather th
Sampler.

(2) A
Tech Tra-
prices an
mas flight
(Crimson
the peak
TSE flight
before th
the great
Both of
claimed
These ch
of TSE's
fact Har-
before an
addition,

Engineers, Mathematicians:

you should consider a career with NSA

... if you are stimulated by the prospect of undertaking truly significant assignments in your field, working in its most advanced regions.

... if you are attracted by the opportunity to contribute directly and importantly to the security of our nation.

... if you want to share optimum facilities and equipment, including one of the world's foremost computer/EDP installations, in your quest for a stimulating and satisfying career.

The National Security Agency is responsible for designing and developing "secure" communications systems and EDP devices to transmit, receive and process vital information. The mission encompasses many aspects of communications, computer (hardware and software) technology, and information recording and storage ... and provides a wealth of career opportunities to the graduate engineer and mathematician.

ENGINEERS will find work which is performed nowhere else ... devices and systems are constantly being developed which are in advance of any outside the Agency. As an Agency engineer, you will carry out research, design, development, testing and evaluation of sophisticated, large-scale cryptocommunications and EDP systems. You may also participate in

related studies of electromagnetic propagation, upper atmosphere phenomena, and solid state devices using the latest equipment for advanced research within NSA's fully instrumented laboratories.

MATHEMATICIANS define, formulate and solve complex communications-related problems. Statistical mathematics, matrix algebra, and combinatorial analysis are but a few of the tools applied by Agency mathematicians. Opportunities for contributions in computer sciences and theoretical research are also offered.

Continuing your Education? NSA's graduate study program may permit you to pursue two semesters of full-time graduate study at full salary. Nearly all academic costs are borne by NSA, whose proximity to seven universities is an additional asset.

Salaries and Benefits Starting salaries, depending on education and experience, range from \$8,000 to \$13,500, and increases follow as you assume additional responsibility. Policies relating to vacations, insurance and retirement are liberal, and you enjoy the advantages of Federal employment without Civil Service certification.

Another benefit is the NSA location, between Washington and Baltimore,

which permits your choice of city, suburban or country living and allows easy access to the Chesapeake Bay, ocean beaches, and other summer and winter recreation areas.

Campus Interview Dates:

Check with the Placement Office now to arrange an interview with NSA representatives on campus. The Placement Office has additional information about NSA, or you may write: Chief, College Relations Branch, National Security Agency, Ft. George G. Meade, Maryland 20755, ATTN: M321. An equal opportunity employer, M&F.



national security agency



where imagination is the essential qualification

SINCE 1882

SINCE 1882 SMART SHOPPERS SHOP THE COOP

head

Janu

buy \$2.69, 4

Don't miss the chance to buy records at im-
monaural rec-
soon-to-be dis-
ited so shop

Spec-
Boo-

84 Ma

Regular Hou

Free Parking ...
Church Street Garage
for 1 hour with
purchase of \$3.00 or more
at the Coop.

THE COOP

Enterprises Unravelled

was quickly straight-
laced made of TSE being
resulted from the profit
being less than that
made. When ques-
he admitted that the
TSE was within \$2-3 of
being owed to him.
the number of Sam-
had been sold. The
that TSE recorded the
had given TSE. The
of the cost of the sam-
of cash income. What
the gross income, but
minus the cost of the

while TSE, due to a smaller volume, must work on a 'group flight' basis.

Tuxedo affair defended by agent

(3) The tuxedo affair has been defended by Derrick Dahlen, the TSE agent involved, by a plea of ignorance — an ignorance of the way things have been done in the past. TSE claims that negotiations with Manhattan took place only AFTER the '69 JP committee had decided not to run a tuxedo service, while he was not even aware of the A-Ball situation. The validity of Dahlen's claim is that although he had received tentative permission from the Dean's office to follow through with his negotiations, when members of JP and A-Ball Committees complained, he decided that his service would in reality be a disservice; negotiations with Manhattan were cancelled.

Ethics, effectiveness

What does all this mean? It means that a great deal of the suspicion surrounding TSE—that TSE is unethically taking advantage of the MIT community—is unfounded. What it does indicate, however, is that TSE's management has been entirely too unconcerned with revealing the true story to the undergraduate community when complaints are voiced. It has also not been effective in communicating its proposed plans to student government, when those may indeed be counter to what student groups may be attempting (e.g., the tuxedo incident). Nick Covatta, President of TSE, claims he now recognizes these problems and plans to develop an adequate public relations effort to keep the MIT Community informed. He is presently discussing with student government leaders the most effective way of continuously exchanging relevant information.

Should TSE be given non-voting seat on Institute Committee?

One proposal that has been put forth is to give TSE a non-voting seat on Institute Committee. This proposal has received mixed reaction in both student government and TSE. Another proposal which should be more effective and more popular is to create an informal arrangement for the president of TSE to meet at specified intervals with the Incomm Executive Committee to exchange information about new TSE and Incomm projects.

Understanding sorely needed

However, the question of TSE is more than a question of communication. Rather it is a series of questions concerning philosophy, organizational control, and organizational responsibility. While it is true that the recent wave of suspicion assaulting TSE is primarily caused by a lack of information on the part of the undergraduate community, a greater understanding by MIT students of the true nature of TSE will reveal an organization that has severe organizational difficulties, and strict monetary constraints, choosing entrepreneurial experience and profit as its raison d'etre over service to the MIT Community.

TSE molded as entrepreneurial 'umbrella' with many advantages for individual groups

At the time of TSE's inception, the need for a separate corporation was evident. Many students

were operating illegal entrepreneurial efforts on campus with no supervisory function available either to student government or anyone in the MIT administration. Recognizing such experience as beneficial—that it was good for students to earn their own money—and that some type of supervision was necessary, TSE was molded in such a way as to attract these individual entrepreneurs to the TSE "umbrella." TSE offered such advantages as free use of all publicity facilities at MIT (including bulletin boards, booths in Building 10, and use of the MIT mail system) as well as such services as office space, secretarial services, and managerial aid (e.g., bookkeeping), all at a low cost. But mostly, it offered limited liability (an agency manager is not financially responsible for any losses incurred, although he has a major share of any profits).

Misconceptions of TSE

A common misconception is that MIT students are required to work with TSE if they are to initiate any profit-making venture. It is true, however, that no student or organization is allowed to solicit directly on the MIT campus unless affiliated with TSE. It is hoped the advantages that such affiliation offers should be sufficient enticement for belonging to TSE.

The core of the TSE organization is composed of a small group of men called Central Management whose job it is to oversee the operations of the various agencies. Present agencies are Tech Travel Service, Tech Engineering and Consulting, Tech Tutors, Campus Clothier, the Airline Representatives, and the Bexley Laundry. Central Management consists of Mr. Harrington from the Placement
(Please turn to Page 8)

HOPPERS SHOP THE

COOP SINCE 1882 SMART SHOPPERS SHOP THE COOP SINCE 1882 SINCE

sale!

Sale '68

Jan. 31

no records!

(reg. \$3.90 ea.)

portunity! This is your last
quality Angel classical
s. All are sound-perfect
known artists. All are
s. Some albums are lim-

—Third Floor
Record Shop
Tech Coop

COOP

Cambridge, Mass. 02139

Mon. - Fri. / Sat. 9:20 - 6 PM
Thil 9 P.M.

1400 Massachusetts Ave.,
Cambridge, Mass. 02138

Regular Hours
8:50-5:30 Monday-Friday,
Saturday 9:20-6:00 P.M.
Phone 876-3000, 491-5530

THE COOP

Systems are everyone's business at Sanders

That means you can prove yourself sooner here

At Sanders, what you are is as important as what you can do — what you contribute to the development of new systems. And because our interdisciplinary team approach will challenge you with problems beyond your specialty, you prove yourself sooner.

The assignments are demanding, but the rewards are commensurately high. Comprehensive benefits, including 100% pre-paid tuition, and liberal salary schedule make the opportunity hard to match. More significant, Sanders is an action company, its outstanding growth provides real security and its multi-scientific disciplines assure you an interesting career.

ASK your placement office to make an appointment for you. The Sanders story makes good listening.

CREATING NEW DIRECTIONS IN ELECTRONICS

SA SANDERS ASSOCIATES, INC.

* T. M. SANDERS ASSOCIATES, INC. An Equal Opportunity Employer M/F

TSE: the 'umbrella' leaks

(Continued from Page 7)

Office as General Manager, Nick Covatta '68 (SAE) as President, Jack Anderson '69 (SAE) as Treasurer, Dennis Bovin '69 (ZBT) as Vice-President of Operations, and Derrick Dahlen '70 (SAE) as Vice-President of Corporate Development.

Ideas lacking

One major problem that confronts TSE is that Central Management has not yet been the initiator of any new ideas for agencies. Rather, innovations have come from people who would like to perform a particular service at a profit and have been attracted to TSE. Once the agency has grown large and profitable,

Because the situation is as tight as it is, Central Management tends to be fairly conservative in its approach to new agencies and sources for profit. In fact, at a recent Board meeting, Central Management came under fire from the Board of Directors (consists of faculty members and alumni) for being too conservative with its resources, an unusual event for either TSE or any corporation.

Agency managers independent

Another result of this tight profit situation is that TSE has not yet faced, and refuses to face, the question of profit margins for its agency managers. At present, TSE is at the mercy of its agency managers and feels that any type of

development is the temptation to hire a full-time non-student staff to run a number of its agencies in order to more effectively compete with commercial concerns for various contracts or concessions. This would result in TSE's sacrificing what is now its main service to MIT, that of providing entrepreneurial experience to members of the MIT Community. Imaginative and courageous foresight and action is required by Central Management.

Leadership from only one group

Yet rather than soliciting ideas and people from every available quarter, Central Management has been overly concerned with the residence affiliation of its members. The leadership of TSE has come essentially from only one living group on campus at a time when it is obvious that TSE needs and will continue to need the most competent and creative men available at MIT.

While other campus activities have at times suffered from a similar malady, SAE's stranglehold on TSE is far more serious. First, these other activities are not fighting for their lives. Second, all leadership has come from within the organization in the form of men who have had years of experience. True, the situation is deplorable if a man is chosen only because of his residence affiliation. Yet the record will show that even in the most controlled of activities the residence affiliation of its leadership changes every year or two. (A relevant note is that this year the AEB has been investigating complaints from various sources that students were not allowed to work in activities when work was, in fact, available. The two most obvious offenders in this regard were Innisfree and The Tech's advertising staff. Both student organizations corrected the problem from within with no prompting from the AEB).

Most closed of organizations

The situation in TSE, on the other hand, is so closed that SAE has supplied the last three presidents of the organization. In addition, three of the four positions in Central Management are today held by members of SAE. Not counting Nick Covatta, the President, none of the other SAE members of Central Management have had more than eight months experience with TSE. Inexperienced top management is essentially being funneled from SAE to TSE.

Exceptions do exist

A notable exception is Tech Travel Service whose agency manager is supervised closely by Central Management. Since Tech Travel Service is representing the MIT Community to many of the airlines, it is something of a monopoly. Its prices are set in an informal manner by the agency manager, Central Management, and the Dean's Office. The prices for this service have often been higher than are available commercially (note the Christmas Flight situation).

One important reason for Tech Travel's high prices is that this agency is TSE's major financial supporter. Since Tech Travel is required by the Dean's Office to remain under the TSE umbrella, Central Management has no fear of losing its share of the profits. Tech Travel contributed \$3,400 to TSE last year, making it the largest contributor to TSE's profit picture. Yet the standard contract between an airline and a charter service requires that the charter service be run on a non-profit basis, only covering costs and wages.

Paradox

The resulting paradox is that the only "non-profit" agency affiliated with TSE is being drained by Central Management to cover the cost of its profit-making ventures.

As the story becomes complete, it becomes more and more understandable why TSE has been as unwilling as it has been to have any strong ties to student government. Working independently, TSE has been having many problems, problems so severe in fact that TSE's continued existence is not entirely assured. TSE feels that if severe regulations were to be placed on its activities by student government which would reduce its ability to act, its death would be guaranteed.

The stranglehold by SAE poses another problem for TSE

The way out of this bleak situation is in the area of Corporate Development. One danger inherent in corporate de-

velopment is the temptation to hire a full-time non-student staff to run a number of its agencies in order to more effectively compete with commercial concerns for various contracts or concessions. This would result in TSE's sacrificing what is now its main service to MIT, that of providing entrepreneurial experience to members of the MIT Community. Imaginative and courageous foresight and action is required by Central Management.

TSE's path understandable

It is almost understandable that TSE has temporarily chosen this path. A \$9,500 loan from MIT must be repaid, and a \$5,000 investment has yet to see any return. But TSE must be careful in its zeal to realize a profit, not to conflict with those activities which are performing services to the MIT Community on a non-profit basis. TSE's Central Management should take extremely seriously its informal links with the Dean's Office and with student government.

'Trust-busters'

It is true that TSE as of yet has not been willing nor able to realize its supervisory role over entrepreneurial efforts at MIT. Yet, one member of the TSE Board of Directors remarked that "we would like nothing better than to have an agency large enough and profitable enough to do some trust-busting." In other words, the interests of the MIT Community have not entirely been forgotten. But at present, TSE is on such tenuous ground that first it must guarantee its own existence and remove the guillotine which the individual agency managers now hang over the head of Central Management.

What this means to the MIT Community is that TSE will continue to offer goods and services in what is a fairly arbitrary manner. It behooves students to include TSE as a stop on their shopping list when looking for a good, but by no means the only stop. TSE recognizes no responsibility to give students the best possible deal and this should be recognized by the undergraduate community.

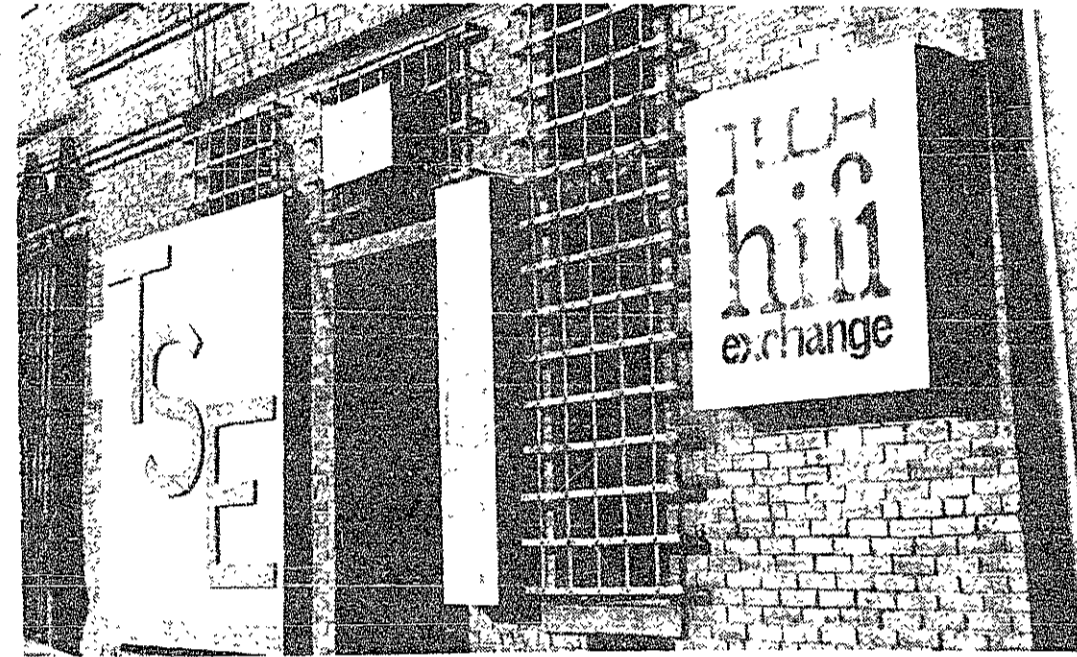


Photo by Simansky

Bright signs advertising TSE businesses contrast with the forbidding iron grates on the organization's offices at Vassar St. and Mass. Ave. Operations inside this edifice have been something of a mystery to the MIT community.

the agency manager severs his agreement with TSE and operates independently. An example of this is Tech Hi-Fi Exchange. Having had sales last year of over \$82,000, this agency recently disaffiliated from TSE to operate independently. (However, it continues to rent space in the TSE office.) A second example is Amrec, a computer consulting firm with sales last year of nearly \$10,000. These agencies were two of the three most profitable ones for TSE last year.

TSE provides capital, but has little to gain

This means that TSE provides the capital and takes all the risks for beginning an agency. If the agency folds as did Nick's Nook this past year (a candy and newspaper stand outside of the Walker Dining Room), TSE suffers the loss. If the agency is successful, it disaffiliates (Tech Hi-Fi and Amrec disaffiliated at a price which totalled under \$5,000) when TSE has only begun to see a return on its investment.

Attempts to combat situation

What Nick Covatta has done to combat this situation is to create a new position, the Vice-President in charge of Corporate Development. Dahlen has been charged with the responsibility of initiating ideas for new agencies, so that these agencies will belong to TSE rather than the individual agency managers. This difference is crucial—the agency manager will then be hired by TSE to run the agency, with profits belonging to TSE, as opposed to the situation which now exists where the agency manager in reality owns the agency while TSE provides the resources, receiving a share of the profits. This agreement can be broken by the manager when he feels the agency can be self-sufficient.

Very little profit

TSE last year sold products and performed services which were worth a total of nearly \$235,000. But the profit TSE reaped was less than \$750. In fact, this was the first year TSE did not operate at a loss. Four of last year's agencies have since been dropped because they either were not profitable enough to warrant continuing them, or were operating at a loss. These were the Collegiate Sampler, the News Service, Nick's Nook, and the Birthday Cake Services. Without these discontinued agencies and without the agencies that have recently disaffiliated, TSE sales picture for this current year may well be gross sales slightly over \$121,000 and a net LOSS of nearly \$500.



Photo by George Flynn

Air travel to London is only one aspect of TSE's airline operations. Ticket prices have not always been bargains, and various difficulties may force TSE to abandon its familiar travel booth in building 10.

Creativity, competence lacking

While it is true that Nick Covatta as president is moving quickly to solve TSE's problems, he appears to be overlooking one essential solution — the most creative and competent personnel available at MIT. I believe that it can only hinder TSE's development and blacken the already tarnished image TSE has at MIT, if the next two TSE presidents also come from 484 Beacon Street. Hopefully as TSE begins to control more of its own agencies, personnel for Central Management will come from the various agency managers who will have an interest in advancing in the corporation.

Given this entire picture of TSE, what is TSE's function at MIT? While it was initially hoped TSE as a corporate entity would govern its various agencies, it has not done so. Rather TSE has thus far fulfilled the role of investor. If its present goals in corporate development are attained, it may begin to fulfill the role of entrepreneur. Asked if TSE should also

Riddled with problems

Technology Student Enterprises is an independent corporation riddled with problems, having a debt twice as large as its original capitalization. It has paid a great deal of money to students in wages (over \$14,000 this last year), and sometimes has provided services to the MIT Community which could not have been as conveniently procured elsewhere.

As President, Nick Covatta realizes a great many of the problems TSE will have to face. His approach to corporate development is the brightest hope the organization has for the future.

What next?

However, on the whole, TSE has not yet fulfilled most of the purposes for its creation. It has not been able to supervise adequately the activities of its agencies; it has been exploiting the MIT student body through its only supposed service agency; it has provided entrepreneurial and managerial experience

(Please turn to Page 9)

HOUSE OF ROY
REAL CHINESE FOOD
Open daily from 4 p.m. to 2 a.m.
Food Put Up To Take Out
25 TYLER STREET, BOSTON 11
DE 8-8882

EXETER KEVIN MOSE 67067
A MOVIE OF EXCEPTIONAL BEAUTY!
Elvira Madigan
IN EXQUISITE EASTMAN COLOR

TSE must face alternatives

(Continued from Page 8)

only to a small number of people from a particular group; it has sometimes attempted to perform 'services' which are in fact detrimental to the MIT Community and it has only now begun to realize a profit—\$750; while MIT has invested a total of \$14,500 in TSE and allowed the use of all its facilities.

Thing of the past?
I firmly believe that unless drastic changes occur within the organization fairly quickly, TSE as a profit-making corporation will become a thing of the past. In order to become a profitable organization, the structure of the

agencies must change so that they are owned by the corporation and run by hired managers. Yet it is precisely the profit-making motive of the individual agency managers which will prohibit such a step. The easiest way to accomplish the transformation is by hiring professional personnel to run some of the agencies (which has already come before the TSE Board of Directors in various ways), while students interested in owning their own agency will probably do so independently of TSE. (Many MIT students are already doing just that.) The result is that TSE will have aggravated the very issues it was designed to correct.

Since profitable agencies will continue to disaffiliate, the choice facing TSE in the next few years is either to become a profitable but no longer student run operation, or to become a student run cooperative corporation. While the Board of Directors of TSE vehemently assert that TSE is not a cooperative, becoming one may be the only way to assure student responsibility and avoid continuous monetary losses. TSE's older brother at Harvard, the Harvard Student Agencies, has already become a cooperative essentially run by a full-time manager. I believe the transformation of TSE into either a professional operation or a cooperative corporation is inevitable if the organization is to exist at all, a fate which will probably be beneficial to most of

the undergraduate body in terms of services performed at lower than present prices.

Cinema Spectrum

Cinema Spectrum will give Greater Bostonians the opportunity to see films that they may never have seen before and may never be able to see again.

It is a response to the complaint that many films of major importance are not being shown to Greater Boston audiences because theater owners feel they are poor financial risks or they will provoke threats of boycott by certain community organizations, political and legal harassment, censorship or vigilante action, according to AFTER DARK publisher James T. Lewis.

Cinema Spectrum will present examples of motion picture art at midnight every Friday and Saturday night at the Sack Cheri 3 beginning February 16.

The program will run accepted classics in the motion picture art. It will also present other unknown or forgotten masterpieces which played a part in the growth of motion picture art. Others will be contemporary films, which may have been overlooked or never shown in Boston.



THE TECH COOP
IN THE M.I.T. STUDENT CENTER
84 Massachusetts Avenue, Cambridge, Mass. 02139

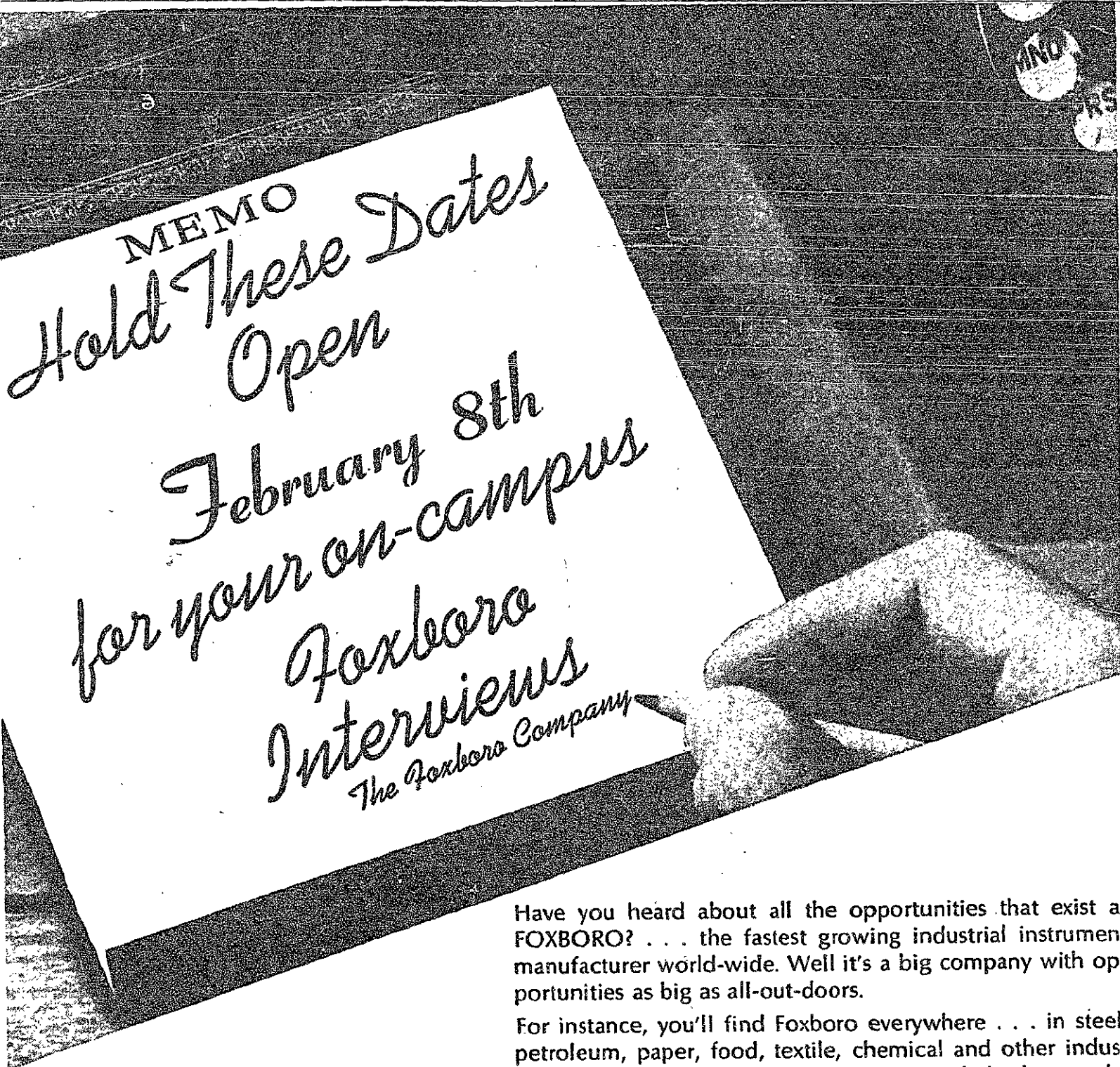
M.I.T. HUMANITIES SERIES 1967-68

presents
The Zurich Chamber Octet
SUNDAY, JANUARY 14, 1968 — 3:00 P.M.

Kresge Auditorium

Octet (1957-58) Hindemith
Octet in F Major, Op. 166 Schubert

Tickets: \$3.00 (reserved seats). Write Kresge Box Office, M.I.T., Cambridge 02139, or call UN 4-6900, ext. 2910. Make checks payable to M.I.T. Humanities Series.



EMPLOYMENT OPPORTUNITIES FOR 1968 GRADUATES

If yours is one of the disciplines listed in the left-hand column, you may be eligible for one of the positions listed in the right-hand column.

DISCIPLINE	POSITIONS IN
Chemical Engineering	Development Programming
Electrical Engineering	Product Design and Development
Mechanical Engineering	Research
	Scientific Programming
	Systems Design
	Systems Engineering
	Technical Sales

Have you heard about all the opportunities that exist at FOXBORO? . . . the fastest growing industrial instrument manufacturer world-wide. Well it's a big company with opportunities as big as all-out-doors.

For instance, you'll find Foxboro everywhere . . . in steel, petroleum, paper, food, textile, chemical and other industries. Our instruments and control systems help them make better products for a better way of life.

Contact your College Placement Officer today to arrange for an interview. While you're at it, look through the FOXBORO Capability Brochure in his office.

W. W. Brown
College Personnel Relations
The Foxboro Company
Foxboro, Massachusetts 02035

FOXBORO

Specialists in Process and Energy Control
An equal opportunity employer

OFFICES IN PRINCIPAL CITIES. PLANTS IN U.S.A. • CANADA • MEXICO • ENGLAND • FRANCE • NETHERLANDS • JAPAN • AUSTRALIA

HARVARD SQ UN 4-4580
FELIX GREENE'S
"NORTH VIETNAM"
2:00, 3:30, 5:00, 6:30,
8:00, 9:45
Starting Jan. 17:
"THE FAMILY WAY"
Starting Jan. 24:
"COOL HAND LUKE"

BRATTLE SQ TR 6-4226
HUMPHREY BOGART
FESTIVAL!
Today:
"The Roaring '20's"
Saturday:
"The Oklahoma Kid"
Sunday:
"They Drive By Night"
Monday: "High Sierra"
Jan. 16-17:
"The Maltese Falcon"
Jan. 18: "The Big Shot"
Jan. 19-24: "Casablanca"

WEEKEND ITALIAN STYLE

THE CONTINENTAL COMEDY SMASH of 1967!

"A Contemporary Fun Spectacle"

WEEKEND ITALIAN STYLE
EASTMAN COLOR
AGGP Release

Starts Wed., Jan. 24

PARAMOUNT
Cinema
Cinema
Cinema

Yard birds in experimental bag

(Continued from Page 10)

"Sideways Down," and "Happenings Ten Years' Time Ago," enlarged on what was known about instrumental rock techniques. For this Jeff Beck deserves most of the credit.

Along the way Sam left the group, Dreja switched over to bass, and Jimmy Page, who has played backup for the Beatles,

I really wouldn't have left, but it just wasn't my scene. I was getting more into entertainment and less into music. "Over Under Sideways Down" was junk — I was playing with no hands. That did it.

became the new rhythm guitarist. Unfortunately, Beck was growing dissatisfied with the group's finished products. In his own words:

Beck went out on his own, and is now a star of some proportion in his own right in Britain. His single of "Hi Ho Silver Lining" reached number two on Record Retailer's survey there, although it was a flop here.

Since Beck's departure the group has more or less continued in the experimental vein. Where fuzz-tone was Jeff Beck's motif, Page uses a wah-wah pedal to good effect. He isn't in Beck's class as an innovator, as can be seen in the group's last three singles, "Little Games" (which had a US peak of 31), "Ha Ha Said

the Clown" (45), and "Ten Little Indians" (96), but his originality, along with that of the others, will assure the Yardbirds of an important position in the rock field for some time to come.

Today is the last day to vote in The Tech's third annual Talking Rock poll. Ballots can be picked up and returned any time between 10:45 am and 3:15 pm in the Lobby of Building 10.

The managing board of the Gilbert and Sullivan Society will meet with prospective directors and musical directors for its spring show "Ruddigore" Thursday at 7 pm in the East Lounge of the Student Center.

SKI EQUIPMENT
Large Variety - Famous Brands

Tennis & Squash Shop
67A Mt. Auburn St., Cambridge
Opp. Lowell House TR 6-5417

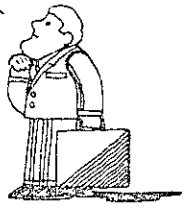
What's it like to work for a giant?

Depends on the giant. If the giant happens to be Ford Motor Company, it can be a distinct advantage. See your placement director and make an appointment to see the man from Ford when he is here on:

February 12-14



I'd like a big job please.



AMERICAN AIRLINES
Cordially Invites You To Attend Its
Jet Age Career Exposition.
Saturday, February 10, 1968
The Bay State Room
The Statler Hilton Hotel
Park Square at Arlington Street,
Boston, Massachusetts

HOURS: 9 AM - 5 PM

R.S.V.P.

- Interviews for Management and Ground Positions
- Exhibits Airline Career Counseling

To pre-register, please clip coupon and mail.

Manager, College Relations
American Airlines, Inc.
633 Third Avenue
New York, New York 10017

Yes, I would like to attend American Airlines' JET AGE CAREER EXPOSITION to be held in The Bay State Room of The Statler Hilton Hotel, Boston, Mass. on February 10, 1968.

I prefer to attend Wednesday _____ Thursday _____ Morning _____
Afternoon _____ Evening (Wed. only) _____

Name _____

Address _____

City _____ State _____ Zip Code _____

Degree _____ Major _____

School _____ Graduation Year _____

AMERICAN AIRLINES

An Equal Opportunity Employer A Plans for Progress Company

NE stops cagers, 55-53: second half strong, but early freeze backfires

By Ron Cline

Northeastern was the team which stopped the Tech cagers from gaining a berth in the small college NCAA tournament last year, and this year's team had eagerly awaited a chance to even the score. NU managed to stay on top, however, as they edged the Beavers on Northeastern's home court, 55-53, in one of the most exciting games of the season so far.

The engineers put up a very hard fight, with defense playing an important part in the comparatively low scoring match. A lack of rebounding aggressiveness in the opening minutes, however, spelled the difference in the first half, and probably the game. Northeastern controlled the boards on both ends, out-rebounding Tech 21-13 in the first half. With the hosts' star player, Bill Osgood, sitting in the stands, Bob Modest and Jim Barnes quickly put NU ahead 12-5. Tech struck back in the form of Lee Kammerdiner '68, popping in three short jumpers. But Modesty and Barnes never quit putting on the pressure, and, although Dave Jansson '68 and Bruce Wheeler '70 each added two sets before the period ended, Northeastern found themselves owning a comfortable half-time lead of 33-23.

8 points in 2 minutes

The engineers must have decided to do something about the 10 point spread, for when the second half started, the Tech cagers started a scoring spree which netted them eight points in only two minutes. Contributing to this two basket a minute romp were Alec Bash '68 with two lay-ups, and Wheeler and Jansson, each swishing one from the key.

During the next 13 minutes,

Tech remained close, but never close enough to completely overcome the gap. Then, with 4:30 left in the game, Wheeler put in a field goal that left the engineers only one point behind. Deciding to go for a last-second shot, Tech then froze the ball for the next two minutes. A freeze usually brings on a foul, and Kammerdiner made his charity toss to tie the game at 51-51 with 1:51 left.

Free-throw ices game

MIT expected NU to now freeze the ball. But Modest dispelled that idea when he hit on a jumper the first time they came down court. Tech took the ball down court and, after several passes, Jansson missed a shot from the foul line. Tech called time out. When play resumed, a strategic foul was made on Modest, with the hope he would miss the one-and-one. He coolly made both tosses, though, and iced the game for Northeastern 55-51.

BC edges trackmen, 50-54; Wilson breaks ribbon twice

By John Wargo

Boston College inched by the track team at the tape at Rockwell Cage Tuesday 50-54.

Tech's usually strong running attack lost its fine edge over vacation, and BC scored 35 to MIT's 24 on the oval. BC swept the 600 with Murray taking first honors in 1:16.7 by virtue of a blistering first 300. He also anchored BC's victorious mile relay. Henry Hall '70 grabbed the sole point in the hurdles. The Larry Kelly '70-Joel Hemmelstein '70 combination started things rolling with a 1-3 in the 50. Jim Yankaskas '69 sprinted his last quarter to lose his nearest opponent on his way to winning the two mile in 9:53.2. Larry Petro '70 strided in after the first BC finisher to make it 6-3 for the event.

Ben Wilson '70 ran in his tradition for wins in both the mile and 1000. While he systematically pulled away from the field for a 4:25 mile classmate John Owens '70 pulled in a third. Wilson ran



Photo by George Flynn

Jim Yankaskas '69 follows close behind a Boston College runner in the 2-mile event of Tuesday's home meet. Although Yankaskas eventually won the event by a wide margin, Tech was defeated by the Boston College team, 50-54.

a closer race later in the 1000 and broke the tape in 2:20.4.

Strong field team

The field men came on strong for a 26-19 tally over their BC counterparts. Kavanagh of BC, meet high scorer with 13, captured both the weight and shot. Pete Maybeck '68 followed his 54-8½ in the weight for a second with a 51-3 in the shot for a third. Bill McLeod '69 merited a first in the broad jump with a 20-10. Dave Ogrydziak '68 and John Zillie '70 proved again to be a very potent combination, taking one-two in the

high jump with Ogrydziak clearing 6 feet. Captain Steve Sydorik '68 led a one-two attack (along with Richard Brooks '70) on BC's pole vaulters with a best of 13 feet.

Tech's record stands at 3-2 but should be improved after tonight's meet with Colby in Rockwell Cage. Last year's lone win resulted from the Colby meet, and this year's varsity is much stronger. Tomorrow some members of the team ventures to the Knights of Columbus Meet at Boston Garden, the first indoor meet of the season with national prominence.

JV cagers take Wentworth, 63-57; freeze pays off in close finish

By Dan Swift

The JV cagers beat Wentworth 63-57 Tuesday night in a hard fought battle. MIT outplayed Wentworth in the first half and took a commanding ten point lead. It looked as though Tech would run away with the game as the second half got under way. Tech displayed greater confidence and, as a result, made far fewer mistakes. Six minutes had elapsed before Wentworth could sink its first field goal.



Photo by Steve Gretter

Ross Hunter '69 pops a jumper over the outstretched arm of a Wentworth player. The Jayvees won, 63-57.

Fight off rally

With Tech leading by 17, Wentworth staged a comeback. The JVers had difficulty hitting from the outside, and the visitors started eating away at the lead until there were only three points separating the teams with two minutes remaining. At this point, Tech deployed freeze tactics, forcing the Wentworth cagers to foul. The strategy worked, as Tech came out on top.

Nick Mumford '70 played particularly well, scoring on drives and under-the-basket hook shots. Thirteen of his 19 points came in the second half.

How They Did

Basketball

Northeastern 54, MIT (V) 52
MIT (JV) 63, Wentworth 57

Ind Track

Boston College 54, MIT (V) 50

Squash

Harvard 9, MIT (V) 0

Crimson rout racquetmen, finish 7-game win streak

by Roger Dear

After winning seven consecutive matches this season, the MIT varsity squash team finally bowed down to defeat Tuesday, 9-0, to an experienced and powerful Harvard squad. The Crimson had just too much depth and poise for Tech to handle. This weekend, the racquetmen will journey on their first road trip, playing at Amherst this afternoon and with Army tomorrow afternoon in an attempt to return to their winning ways. However, both Amherst and Army defeated the racquetmen last year — Amherst winning 8-1, and Army, 9-0.

In the Harvard contest, the undefeated Crimson were able to

keep the racquetmen on the run and control the game. With adroit corner and drop shots, the Crimson limited the hustling MIT squad to only one game, won by Terry Champlin '70, playing in the number six position.

Intramural sports

Basketball playoffs scheduled

Intramural basketball manager Joel Hemmelstein '70 announced that playoffs this year will begin shortly after the beginning of second term, assuming all regular season games have been played. All those teams who postponed games during the past three months must reschedule themselves; notify the other team involved, secure a court, and report to the manager 48 hours in advance of the game to secure referees. Unless the manager is notified, referees will be the responsibility of the rescheduling teams.

The refereeing policy will be maintained during the playoffs. Hemmelstein noted that cooperation of the teams and athletic chairmen will ensure a smoothly run schedule.

The playoffs are tentatively set



Photo by George Flynn

Burton's Rick Heldt shoots from the side as Rick Jones (DU) prepares to move in for the rebound.

Grapplers fall to Harvard as injuries prove decisive

Tech's varsity wrestlers lost a heartbreaker to Harvard's Crimson Wednesday. Wrestling on the opponents' home ground, the grapplers held the meet in doubt until the 191 match was completed.

Joe Baron '70, wrestling at 115, lost his match to Kopecki on points, 3-0. Baron stayed even until the third period, when he tired slightly, giving his opponent a slight edge.

At 123, captain Bill Harris '68 stopped Moss on points, 8-5 to even the score at 3-3. The second period proved to be decisive in that match, as Harris almost gave the grapplers their first pin of the match then.

In the 130 pound contest, Naylor defeated MIT's Gregg Erickson

'69, 11-5, scoring on four take-downs and an escape. Jack Wu '68 (137) put the wrestlers on top for the first time in the match, as his opponent was forced to default in the third period. In the 145 pound match, Jack Maxham '69 was forced to default due to an injury in the third period, giving Harvard an 11-8 edge. Norm Hawkins '68 evened the score for the second time as he defeated the Crimson's Eng, 8-2. However, Padlack soundly defeated Rick Willoughby '70 at 160, 15-3. Walt Price '70 came right back to even the score with a 6-2 win over Zinn in their 167 pound match.

The 177 pound contest put the Crimson on top to stay, as Chatterton defeated Joel Mosher '70 20-3. Freedman added the final touch as he pinned Jeff Cove '70 in the 191 pound match at 7:46 of the third period.

On Deck

Today

Basketball (V)—Middlebury, away, 8:00 pm
Ind Track (V)—Colby, here, 6:30 pm
Squash (V)—Amherst, away, 3:00 pm
Hockey (V)—Ithaca, home, 7:00 pm
Fencing (V)—Brooklyn Polytech, away, 7:00 pm

Tomorrow

Basketball (V)—Norwich, away, 7:30 pm
Wrestling (V)—Wesleyan, away, 3:30 pm
Swimming (V)—Wesleyan, away, 3:30 pm
Ind Track (V)—K of C meet

Second-class postage paid at Boston, Massachusetts. The Tech is published every Tuesday and Friday during the college year, except during college vacations, by The Tech, Room W20-463, MIT Student Center, 84 Massachusetts Avenue, Cambridge, Massachusetts 02139. Telephone: Area Code 617/876-3869; extension 2751. United States Post Office: Subscription rates: \$4.75 for one year, \$8.00 for two years.

up to include a double elimination tournament of the top four teams in each A division, another composed of the bottom two squads in the A leagues, and the top two teams in each of the B leagues, a single elimination playoff composed of lower B league teams and the top C league fives, and a fairly extensive graduate organization. The actual framework has not yet been decided, however. Scores

- SAE "A" 68, KS "A" 36.
- Burton "A" 35, AEP 34.
- Chinese Students 47, LCA 43.
- ZBT 47, SPE "B" 34.
- SAE "B" 1, PLP 0 (forfeit).
- Bexley "A" 42, TEP 35.
- Green 43, TDC "B" 24.
- Kosher Kitchie Kids 63, SAM "C" 32.
- Baker "E" 63, SPE "C" 17.
- Burton "B" 45, DU 44