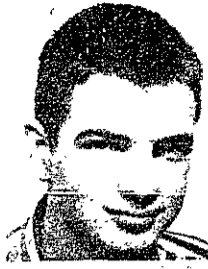


Five in race for Undergrad Association President



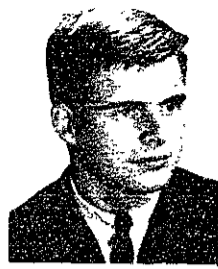
Erwin Strauss

Greetings from HACKLASH! for the record, my name is Erwin Strauss, (Filthy Pierre to Hacklashers. I've participated in random activities around the "Tute, if you think that matters, details of which are on my petitions. If you think the sight of my unlovely puss will shed any light on the campaign, you'll find that there, too.

Some of the Hacklash principles have been set forth in "The Tool," the organ of the Hacklash movement, which has been distributed to dorms and other places. You'll find more details in later issues, and in House newspapers, so I won't bore you with them here.

Since I've already offered the voters a goodie, here's one for the candidates. The UAP is entitled to five hundred dollars cash, and to free residence, a total value of nearly one thousand dollars. This is outrageous, besides being a general waste. The whole student government isn't worth more than a tenth of that. If I'm elected, I'll distribute every cent that exceeds my actual cash outlay

(Please turn to Page 2)



Hank Perritt

The next year will be a critical one for student government at MIT. It will be a year of old problems and new opportunities.

For many years, our major problem has been student apathy. Student government must not be insulated from the individual students if sustained interest is to be effected. The discussion of the reorganization of Inscomm should not have been conducted behind closed doors. Spring Weekend Committee should not now be hiding serious problems from the MIT Community.

The reorganization of the Institute Committee must not be used to restrict participation even further. An attempt is being made to take away the seat of the Athletic Association, which, surely represents a broad area of active students. The seats of Bexley Hall, and NRSA have been threatened although these representatives clearly speak for men who cannot be otherwise represented. I am absolutely opposed to the elimination of any of these three seats. If any is eliminated before

(Please turn to Page 2)



Bill Byrn

My desire to serve the Undergraduate Association during this important year of adjustment to the Student Center, and to gain valuable experience has caused me to seek the UA presidency.

Experience

I believe the experience gained by my work as a junior member of the Student Center Committee and Finance Board, as president of Alpha Phi Omega, and on The Tech has given me the knowledge and perspective necessary to actively and productively serve as UAP.

Programs and Policy

STUDENT CENTER: The Center will radically affect our undergraduate life in the coming year. New policies and procedures are needed. Inscomm should:

(i) establish and review rules for the recreational facilities — the bowling and pool, the art center and music practice rooms.

(ii) ratify a plan presented by Activities Council or Student

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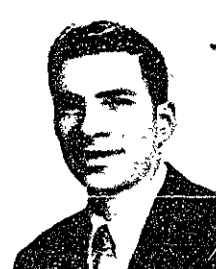


Tom Jones

This coming year is a year of change. The Student Center will open next fall and will bring with it many problems. The new UAP should be directly concerned with the correct and efficient utilization of the facilities, the long-range plans for the building, and the successful integration of the student activities into the program of the Center. For the first time in MIT's history the undergraduate activities will be brought into one building which, in addition, is the focal point of the recreation and library facilities of the school. The building will not bring with it a drastic change in attitude on the part of the undergraduates but rather the possibility for changes in attitude toward student government and extra curricular activities in general.

Related somewhat to the Student Center is the new plan for reorganization. The executive committee (which will be expanded slightly in keeping with the

(Please turn to Page 2)



Stu Madnick

There are many problems facing the next U.A.P. Finalization of the present reorganization will be necessary. Decisions, such as the membership on Inscomm, the reorganization, dissolution, and creation of subcommittees, the configuration of the Executive Committee, and a variety of other matters will either be left to the new Institute Committee, or if determined by the present committee, will have to be ironed out in the months to come. The UAP's role in these changes will be of paramount importance.

The second vital issue concerns the future of the Student Center or more accurately, Inscomm's role in the Student Center. The effect of the Center upon the MIT student body cannot be completely predicted, but its significance can be seen in Pres. Stratton's statement: "... (the) Student Center is in my judgment the most important single uncomple-

(Please turn to Page 2)

LES-1 fails to separate

Satellite misses orbital

By Jeff Reece

Lincoln Lab's LES-1, an experimental solid state satellite, was hurled into orbit Friday, February 11, via the USAF Titan IIIA.

Although designed to be ejected from the inert 1070 pound payload, the polyhedral, 69-pound LES-1 (Lincoln Experimental Satellite) failed to separate and now remains in a 1500 mile circular orbit. Originally the LES-1 was to be spun-up to 180 rpm and placed into an eccentric orbit (apogee 10,000 miles; perigee 1,500 miles) by solid propellant rockets supplying 1400 pounds of thrust for 15 seconds.

Novel ideas embodied in the LES-1 included:

- 1) an all-solid-state X-band communications transponder
- 2) an earth-sensing and antenna-switching system

The primary purpose of LES-1 is to test new devices and techniques rather than to achieve maximum communication capability as with communication satellites.

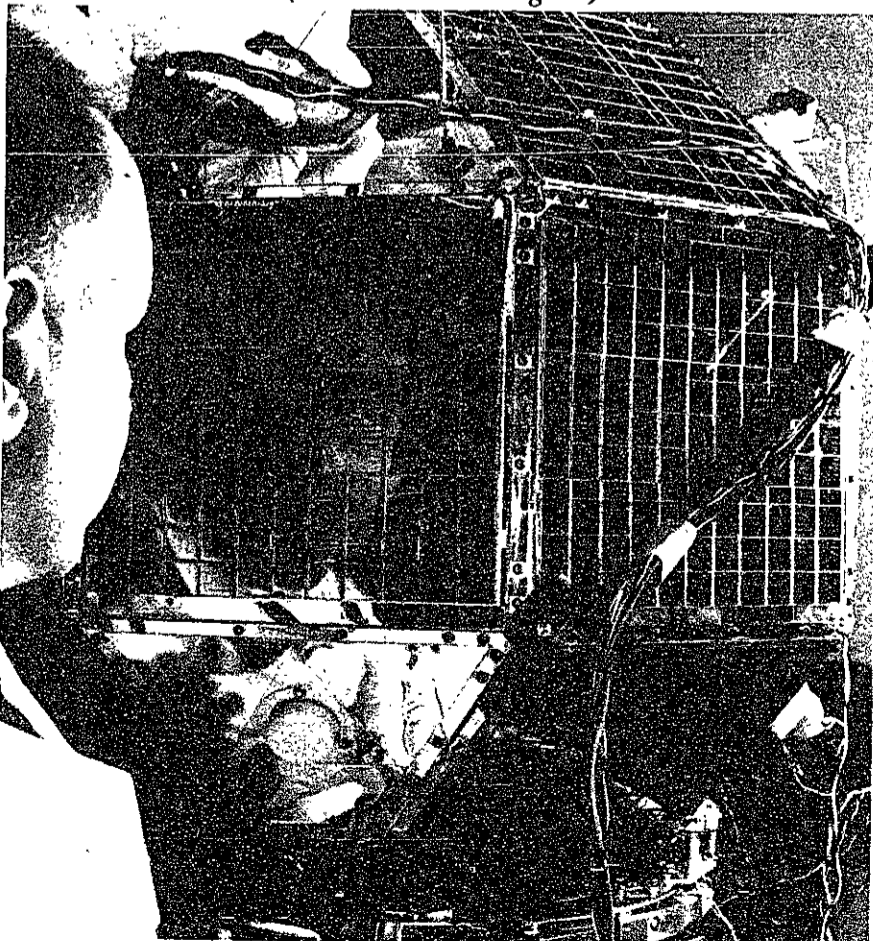
- 3) magnetic system for spin-axis orientation control

Principle Experiments

The reliable all-solid-state transmitters, despite the fact that at the present they do not have as high a power output or as high an efficiency as conventional transmitters, are considered potentially competitive as seen by the rapid rate of improvement within the last year. Transmitting at frequencies around 8000 megacycles per second, the "X-band", the LES-1 has an output of 0.1 watts.

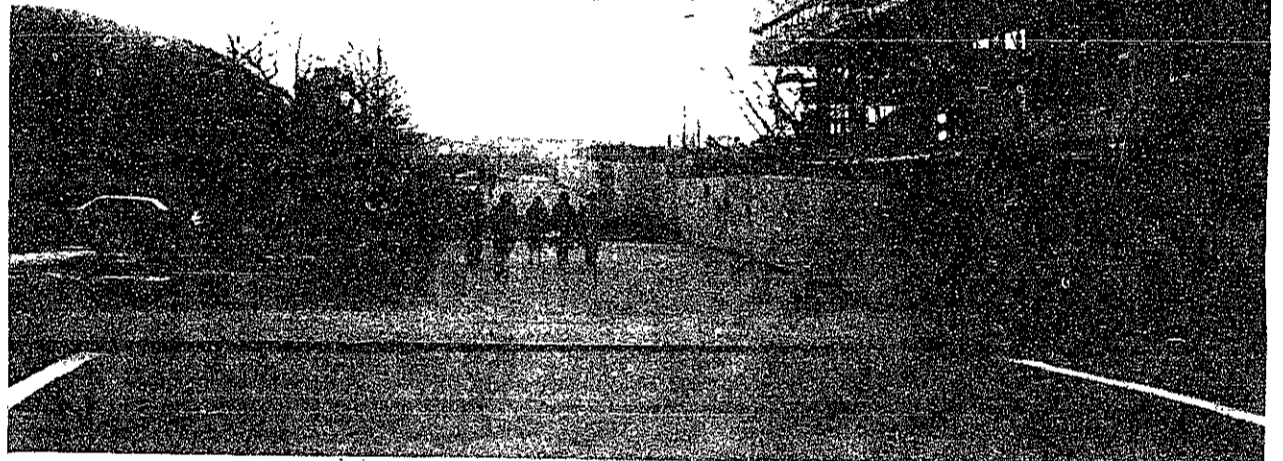
Limited radio power necessitates an efficient, defined radio beam directed toward the earth. Previously directional transmitting antennas required a stabilized orientation of the satellite. However,

(Please turn to Page 6)



LES-1 an experimental, solid state satellite designed and built at Lincoln Laboratory is shown above. The LES-1 was launched by a Titan A-III last Thursday, but failed to separate from its launch vehicle.

The Tech



Vol. 85, No. 2

Cambridge, Massachusetts, Wednesday, February 17, 1965

Five Cents

UAP job explained

Samuels briefs candidates

Bill Samuels '65, UAP, gave a briefing session to candidates for that office Monday in Litchfield Lounge.

Present were Bill Byrn '66, Tom Jones '66, Hank Perritt '66, Stu Madnick '66 and Erwin Strauss '65. Samuels discussed the problems of the position, its defined and potential powers, and a tentative list of current issues now being debated on campus.

The UAP, says Samuels, has very little constitutional power; but his "verbal influence" for initiating action can be considerable. He acts as "Chief of Protocol," sitting in on meetings, and must be able to pick up an issue quickly and offer his judgment. To student government, he represents both executive and overviewer; to the Administration he represents "the student interest."

The real work of the UAP currently involves the Executive Committee, the "inner group" who contribute most to student government. It is important that the UAP "keep on top of things" in guiding this group of strong personalities.

Some of the problems of the student government head include campus apathy and poor communication with the student body. Samuels feels that the UAP should support increased participation through conferences and subcommittees. He also emphasized the importance of close re-

lationship with the campus newspaper.

Possible issues this year, Samuels conjectured, include the general scope of student government as seen in the reorganization, the existence of the International Student Council, the upcoming intercollegiate conference and, of course, the Student Center — although exactly what is at issue here was not brought out either by Samuels or the candidates present.

GSS, Young Demos acquire ASA status

The Gilbert and Sullivan Society and the MIT Young Democrats were granted permanent membership in the Association of Student Activities at the Activities Council meeting last Thursday.

The council members were also informed that Finance Board is preparing the two-year Undergraduate Association budget and has sent a letter to all activities asking estimates of their future demands.

Mike Levine, representing VooDoo, presented a statement of VooDoo's policy, philosophy, and feelings in answer to the proposal adopted at the specially called Activities Council 'Gayboy' meeting called during reading period. Levine stated that "we (at VooDoo) enjoy working together and playing together a group" and "Gayboy . . . was a mistake on our part."

War Memorial exhibit to mark anniversary of first MIT classes

An MIT exhibition at the opening of Boston's new War Memorial Auditorium next week will commemorate the hundredth anniversary of classes at MIT.

The MIT exhibition will be one of a large number of entries from Boston area schools and organizations to be shown in the Exhibition Hall of the new auditorium which opens next Sunday at the Prudential Center.

A physics notebook kept by a student in William Barton Rodgers's first MIT physics class will be featured in the exhibit. It will be contrasted with notebooks kept by 8.01T and 8.02T students in MIT's new introductory physics courses.

Also featured in the MIT exhibition will be pictures of the original institute buildings under construction; these pictures will be contrasted with photographs of the construction of the new Student Center. Short technical movies produced at Tech will also be shown.

The official opening of the exhibition will take place Sunday, February 21, from four to ten p.m. The exhibit will also be open to the public Monday through Wednesday, February 22-24, from 10 a.m. to 10 p.m.

Perritt ...

(Continued from Page 1)

the UAP takes office, I pledge my every effort to have them re-instated.

It remains for us to demonstrate to the administration that student government is capable of managing the Student Center responsibly and to demonstrate to the MIT community that we are capable of managing it according to student wishes. Responsibility for this must rest with Inscomm itself and not with an all-powerful Student Center Committee.

For better coordination of social events it is time to set up a subcommittee of Inscomm which will help with entertainment, scheduling, legal problems and publicity.

There is scheduled for next year an intercollegiate conference. There is much work yet to be done before we can have another conference as successful as "The Federal Government — How Much?" The budget involved will be in excess of \$10,000. There is no place for inexperienced leadership by the UAP.

In each and all of these things, the background of the UAP will be crucial. In addition to working, as I have, in many different phases of student government and athletics, experience at the Inscomm level is vitally necessary. I am the only candidate who was a voting member of the Institute Committee this year. As chairman of the Junior Prom Committee, I received invaluable experience — both in weekend management itself and in problems of a general nature which will arise as we plan the conference. I am the only candidate who served on the Committee on Reorganization of Inscomm and I think I have a lucid understanding of the problems involved in reorganization.

The right kind of leadership can transform student government into something which can benefit each student. Otherwise, there is little justification of the time and money spent. I believe that my experience and determination will enable me to provide that kind of leadership.

Jones ...

(Continued from Page 1)

philosophy of the plan), the new freshman council, the activities council, and the student center committee will be areas of interest and evaluation. In addition to these, committees and groups such as the ADB, a committee of faculty and students formed to help new activities but which in recent years has degenerated slightly, should be upgraded, changed, or done away with.

The Intercollegiate Conference will give further chances for the undergraduates to participate in a project sponsored by the Institute Committee and the UAP should support it wherever possible.

More important than these special areas of interest; more important than one candidate's views on the upcoming problems is the man that will fill the office. This man must be enthusiastic; he must have the drive and the impetus to start and finish the myriad of jobs inherent in the office. His enthusiasm must carry him past these everyday duties into areas of special interest. Enthusiasm without experience is useless. The office requires a broad knowledge of the committees, activities, and divisions of student government.

Enthusiasm and experience without ability is aimless. The new UAP must have the ability to organize, develop and lead the organization. It is my hope and belief that you will find that I best fulfill these qualifications. Look at the candidates and vote for the man first; the platform second.

Byrn ...

(Continued from Page 1)

Center Committee for activities' use of the 4 activity lounges, the publicity center, the game room.

(iii) establish informal understandings with men from the commercial facilities — the food service, the Coop, etc. — to insure student input into their daily operations and services.

Of course, it is essential that the Institute Committee not focus so narrowly on the problems of the Center that other responsibilities — subcommittees, discussion of campus-wide problems and interests, student policy — are ignored.

EFFICIENCY: Subcommittees such as SCEP should be required to establish a schedule of regular annual duties; this would allow them to profit more directly from efforts of past committeemen.

Inscomm meetings should be scheduled, more public and more formally run.

All Inscomm regulations — concerning constitutions, bulletin boards, Building 10 booths, rules for activities, election procedures should be readily available in a small, mass printed leaflet.

The Executive Council should prepare the entire \$16,000 budget, not just the \$7000 Inscomm portion; the Council would then auto-

matically know about the plans of the subcommittees.

COMMUNICATIONS: Communication between Inscomm and students — a perennial problem — always merits mention at election time. Real improvement can be made simply by enforcing existing rules — e.g. the by-laws require Inscomm agendas to be publicly posted. Broader propagation of minutes and news of coming elections is also a practical goal.

RELATIONS: We must re-establish informal contact with the faculty and administration. There are Institute people concerned with most of the problems that recurrently come before Inscomm — libraries, student pay, scheduling, housing, Student Center, etc. When was the last time Inscomm ever heard one of them?

POLICY: Inscomm should take a more active role in forming or endorsing policies of its subcommittees (other than Activities Council).

Strauss ...

(Continued from Page 1)

(which, here's another promise, won't exceed one hundred dollars) in a way that will benefit the students most. I challenge any other candidate to separate himself from the money grubbers by making that offer! Anyone who has

anything to say to the tools and hackers of the Institute should be able to say it for less than a hundred dollars. If, on the other hand, as most candidates, you don't have anything non-trivial to say, I can see how it might take some fast talking, to the tune of a kilobuck, to get elected.

Before I go, let me clear up one thing: the petition forms on copies of "The Tool" aren't officially-approved, filed-in-duplicate Nomination Petitions. Even if you signed one of them, sign our regulation-type forms when we get around to you. Thanks, vote Hack-lash, and see you soon in the better-than-ever "The Tool!"

Madnick ...

(Continued from Page 1)

ted objective of the Second Century Program."

The Student Center can be the vehicle that will return student government to a more favorable light, but wherever and whenever the Center falls short, student government will suffer its most monumental setback.

The above issues will probably be the prime points to be brought out and emphasized by the other UAP candidates. I do not wish to minimize the importance of these salient issues, but there is yet another consideration that is

potentially of far-reaching significance.

Usually the Institute Committee is regarded only as an internal bureaucratic organization concerned only with problems of its reorganization and legislation. But as The Tech stated in an editorial: "The chief representative body in student government is the Institute Committee. As such, it is the ultimate check or court of appeals in campus matters."

That such student problems do exist is not a question of "yes or no" but "how much?" To this end Pres. Stratton has set up faculty committees to investigate the influence of: 1. Admissions & financial aid. 2. Residence system. 3. Activities and student government. 4. Morale.

A similar concern was expressed in earlier years and manifested itself in the Lewis Report, the Ryer Report, and more recently the Zacharias Report. The situation was very dramatically revealed by Liela Sussman in her report on "Freshman Morale at MIT". In the discussion of one of the four case studies continually the comment or attitude: "He was disappointed in the lack of 'school spirit' at MIT" reoccurred. This sentiment apparently was quite widespread since the largest single unfavorable com-

(Please turn to page 7)

ELECTRONIC ENGINEERS—MATHEMATICIANS ALL DEGREE LEVELS

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Representatives of the National Security Agency will be conducting interviews on campus on:

February 25, 26, 1965

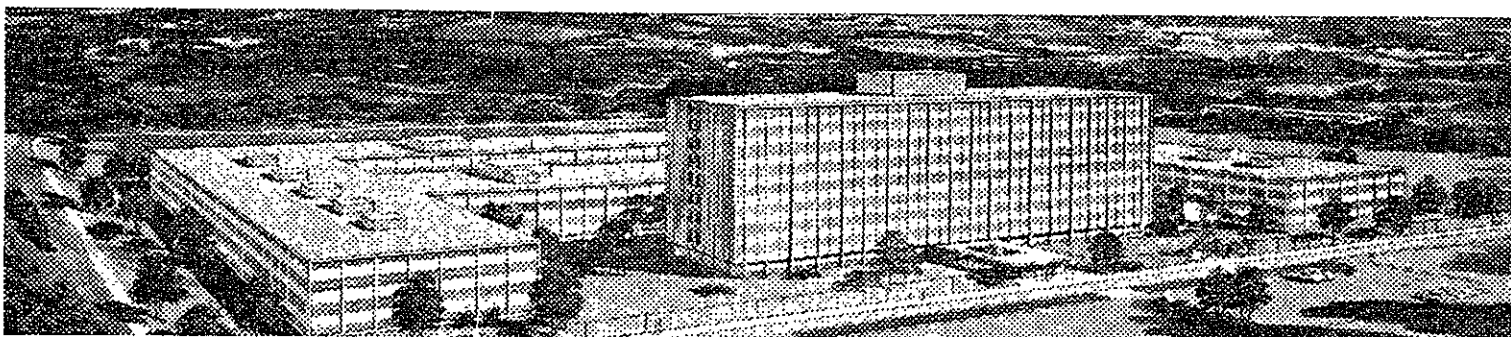
Check with your Placement Office early to schedule an interview. For further details, write to:

Mr. Phillip M. Coffey
College Relations Branch
Office of Personnel
National Security Agency
Fort George G. Meade, Maryland



nsa

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... WHERE IMAGINATION IS AN ESSENTIAL QUALIFICATION

'66, '67 show 3 pres. candidates, '65 with 2

Class of '65



Cash Peacock

In September, 1961, two frosh pulled a suicide from the Charles River. Ever since, the class of '65 has acted inimitably in class activities, athletics, and student government.

I have made every effort to do my part for Tech and '65. This has been concentrated primarily in swimming. It included award for most improved and varsity captain, I. M. manager, and secretary-treasurer of swim club, which raised \$1150 for the Olympic Fund via Aqua Capers.

The feeling of pride which we have as members of the class of '65 should continue. It is my desire to insure exactly this. Such will be accomplished by well planned reunions and a comprehensive newsletter.



Bill Samuels

Over the past year I talked to Don Severance and Fred Lehmann, President and Secretary of the Alumni Association, about many of the problems and responsibilities that their group face. These discussions and others with Harry Kane and Ken Brock in the fund-raising office have made me aware of the duties that some of us as alumni must perform.

I am especially interested in Mr. Essley's newly-formed Committee on Student-Alumni Relations and I am more than willing to plan reunions, organize fund drives, and to continue on this year's Commencement Committee.

This year has afforded me many experiences which I hope would help me in doing a good job for the class.

expansion of the responsibilities undertaken by your class officers. However, the executive committee alone will not have the time to handle all areas really well. The solution is a good committee system with committees working on things such as concerts, graduation etc. This will get more capable interested people working for the class, and also help develop a natural feedback system between officers and the class. The result will be better concerts, a better senior weekend and generally an improved effectiveness of your class officers.



Ken Browning

The senior class president must be a man not only with ideas for a program but also with experience in executing a program. I have served at all levels in a wide range of student activities and have acquired familiarity with handling the problems faced by a class president in his governmental, service, administrative and social endeavors.

Just as important as competence and experience, however, is responsiveness to student opinion. I have in the past and will continue in the future to do my best to speak and act in accordance with the wishes of my classmates.

include Finance Board, Conference Committee, IFC, and PRC, have given me a unique understanding of problems and opportunities facing our class and the whole student body. I am prepared to share with you the experience and knowledge I have acquired, and respectfully seek your support in this election so that I may provide the effective, dynamic leadership our class will need this year and next.



Steve Douglass

Junior Prom gives the Class of 1967 the opportunity to put on an enjoyable weekend at a reasonable price. I have had experience in the various facets of J.P. and as President would be willing to put in every bit of time necessary to make it a success.

In addition, the President's seat on Inscomm is the only official voice of the class in student government at the Institute level. As President I would keep close touch with your opinions through polls and personal contact and, as importantly, would keep you regularly informed of Inscomm proceedings.

This is not an ad. Or an editorial. This is just me, Jerry Tomanek, asking your vote on the basis of what I have done as a preview to what I can do. Our president must run JP and make full use of Student Center and the new government. My experience as chairman of four committees, member of Secretariat, and, important to this election, secretary of Spring Weekend Committee enables plans, not promises, for a fine JP and new administration. I have already reserved ballrooms, saving you money, practiced government with many people. I now ask your vote to continue.



Jerry Tomanek

The class of '67 is one of the few to be in the black at this time. With our upcoming sales, and continued class unity, we plan the most successful JP ever. This year has been a most successful year, with greater involvement of class members. The unity of our class is unparalleled in MIT history. With your support we can continue to achieve.

Class of '66



Don Schwanz

The reorganization of the class government structure offers a good opportunity for improvement and



Terry Vander Werff

The President must be versatile and open-minded, one who can cope with new problems. He must be able to effectively represent his class on Inscomm. My activities, which

Class of '67



George Piccagli

In my campaign statement last year I emphasized the need for class communication. This year that emphasis was vindicated by the outstanding showing our class made on Field Day. Official written communication was not in keeping with our plan to keep '68 in the dark—instead we used an extensive "grapevine." The results are now history. No other class has succeeded in destroying its opponents' project, nor has any class turned out in strength as we did — evidence of what the class can do when properly coordinated.

The class of '67 is one of the few to be in the black at this time. With our upcoming sales, and continued class unity, we plan the most successful JP ever. This year has been a most successful year, with greater involvement of class members. The unity of our class is unparalleled in MIT history. With your support we can continue to achieve.

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Interviews March 4, 5

Applied Mathematics, Applied Mechanics, Data Communications, Digital Computers, Guidance Systems, Human Factors, Industrial Engineering, Information Retrieval, Marketing, Manufacturing Research, Microwaves, Optics, Reliability Engineering, Servomechanisms, Solid State Devices, Systems Simulation, and related areas.

IBM

The campaign: a serious choice

The Tech has not yet commented on the UAP campaign; however, lest this be construed as indicating lack of interest in the campaign or its issues, comments on one of the candidates (self-declared) may be in order. We refer to Mr. Erwin Strauss and his "Hacklash" campaign.

Mr. Strauss's platform may be summed up in a few sentences from his clever and rather wordy statement: "The UAP is entitled to . . . a total value of nearly one thousand dollars. This is outrageous, besides being a general waste. The whole student government isn't worth more than a tenth of that."

Last April, at a banquet given for the retiring and incoming Inscomm, President Stratton spoke about student government at MIT, calling it among the best in the nation. The money given to the UAP derives from a bequest by Vannevar Bush, former Chairman of the Corporation and one of the outstanding figures in modern technology.

Mr. Strauss is entitled to feel any way he chooses about student government. He may choose to ignore the great amount of very practical work done by Finboard, Secretariat, Student Center Committee, and class officers. He may choose to ignore the fact that all enjoy the class concerts, Student Center facilities, and other services. He may choose to ignore the hours of work done, even though he is willing to add to that labor, and to deny that this is valuable.

However, we also can choose to politely ask that statements which are not even constructive criticism not be made at all; that the campus not be bothered with time-wasting "protests;" in fact, that Mr. Strauss please withdraw, to save our time as well as his.

At least three of the other candidates have excellent records and, as known to us personally, are well qualified to seek

the office. Comments on the worth of student government inevitably reflect on these men, who have devoted a large portion of their time to constructive work for the MIT community. It is inconceivable that such reflections go unchallenged.

There will be real issues in the present election, on which The Tech will comment next week. The qualified candidates have a real working knowledge of these issues: the Student Center Committee, the overseeing role of Inscomm, fiscal responsibility and a practical budget. The candidates' success should rest on their ability to present clearly to the student body their opinions of the real, day-to-day aspect of these issues and their meaning for the average student.

We look forward to the outstanding UAP race in several years, and we strongly urge the undergraduates to consider the questions carefully and seriously. They, after all, will be the ones benefited by the choice.

Quid pro cum?

While it is foolish to completely ignore the grading system at MIT, it might be well at this point to present some of the misconceptions about that great absolute, the cum rating. There is evidence that misinterpretation of the system, and a too rigid conformity to it, can actually hurt the scholarship which it is supposed to represent.

The difference of one grade in a ten-hour course taken during a normal term represents a cum difference of .2. The sum of several such differences can easily reach half a point. This may represent the difference in opinion of an instructor or two; it may result in a pledge's not being initiated, in parents being upset, in personal despair.

Any student knows how much he has learned. But he is under pressure to convince others. There is much complaint that the Institute is hard to convince, but in fact this is not true. Conference with any Administrative official will demonstrate the effort made to insure each student's success.

Paradoxically, much of the pressure comes from the people or groups which claim personal concern. Parents who see only a two-place figure worry about their son's relative standing; fraternities, with an eye both to national requirements and the ignorance of freshmen in rush week, earnestly insist on computing the even less meaningful house cum.

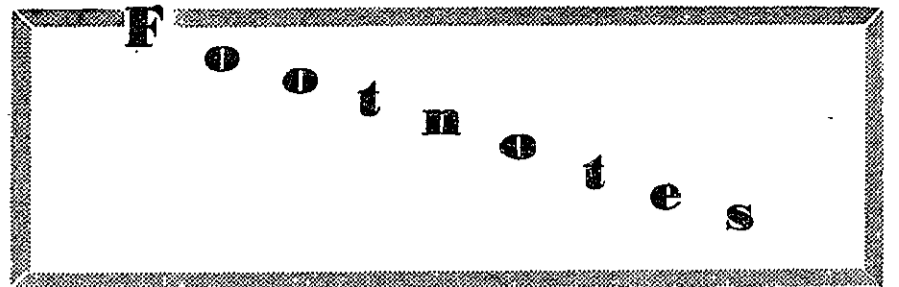
First things come first. Setting a goal of 3.0 will not help someone not motivated to seek a 5.0. Rather, it confirms that motivation toward the higher goal is unnecessary. This attitude is not exemplary, but it is none the less real. The search for cum and its attendant methods of achieving it are useless unless first this attitude is helped.

Certainly it would be nice to forget cums and concentrate on scholarship; but no one seems to trust the maturity of the MIT men to do this without the added goad of cum. Suppose, for example, that living group cums were dropped; would this result in poorer scholarship? If not, the cum should be dropped; if so, there is a real problem of scholastic maturity which the cum is only hiding, not helping.

The problem of weeding out the stupid does not exist at MIT. The real problem is one of adjustment. Attempts to achieve "group adjustment" by a weeding-out process are begging the question. It is the duty, therefore, of all members of the community to understand the cum; to see to it that outsiders understand the cum; and to act, unmindful of pressures from those who do not understand, to improve the scholarship of every individual.

Verbum Sapienti...

The freshman class officers should be aware that it is unsafe to make commitments in print, as in class newsletters, when the matters in question are far from certain. Retractions are at best embarrassing.



Footnotes for volume 85 will consist of comment and commentary on some of the incidents and events which occur at the Institute. Items which may be important but which do not adapt to full news stories will be reported. Material which appears in this column is the responsibility of the author, and sources will remain anonymous when deemed prudent.

1. We hate to start off the term bragging, but it's very seldom that we can report that The Tech scooped Time Magazine as well as an impressive list of major newspapers. After we reported in the January 13 issue that MIT ranked as the most popular college choice among top high school boys taking the National Merit Exams, other writers started examining the statistics in the National Merit Corporation's annual report. The result was a load of 'MIT First' stories that have made Mr. Wylie, Director of Public Relations for the Institute, understandably happy.

2. Residents of East Campus have a great example of how good can grow out of misfortune. Last November's fire on the fifth floor of Goodale caused surrounding residents considerable discomfort. Now the burned out rooms are back in use, but their interior decoration looks more representative

of 100 Memorial Drive than of East Campus. Also nearing completion in the smoked out section are a deluxe kitchen-lounge for the resident's use and paneled walls for the hall. All of these changes are a result of plans drawn up for the possible renovation of East Campus by Professor Goody of the architecture department. The renovated section will serve as a pilot area to test his plans.

3. A letter from President Stratton has been sent to the MIT community boosting the semi-annual Open House which is to be held Saturday, April 10. We hope to have more information for you later as Tech prepares to show its best face to the Boston area.

4. The Office of Laboratory Supplies, that unique enterprise all too familiar to all chemistry students, has moved into the electronics business. An electronics components stockroom has been set up in room 4-052 and now transistors, resistors, transformers, meters, tubes, etc. may be requisitioned in the same way as chemical and office supplies.

4. Elsie's has been sold due to Mrs. Bauman's recent ill health. The staff still looks the same under the new management; we're all hoping the roast beef special doesn't change either.

Letters to The Tech

Voodoo action

To the Editor:
The Activities Council is to be congratulated on its motion regarding the January Voodoo. After all, someone has to protect the innocent, pure minds of MIT students against the sort of filth published by Voodoo. Some people may call the action censorship, but that's ridiculous — the Activities Council isn't trying to burn Voodoo, just bury it.

The best thing that could be done would be to only allow jokes from Readers Digest to be printed in Voodoo, in order to make it suitable reading for everybody's little sisters. Perhaps a censorship board made up of members of the Women's Christian Temperance Union and similar organizations could be formed to review all articles.

After that, the Humanities Department could eliminate from its courses books by Plato,

Shakespeare, and other dirty old men. Eventually, MIT might even become eligible to receive the seal of approval of the Mothers for a Moral America.

Before something can be buried it must be dead, and the only thing dead at the Voodoo office seems to be good taste. Perhaps suitable rites should be held for the departure of this undesirable commodity.

We personally are shocked at Voodoo for neglecting the most important of duties, original literary satire pertinent to the campus. We much preferred The Tech to old rehashes of jokes and themes found in dirty old writers like Shakespeare. It seems a shame that, with the student government reorganizations and other vulnerable topics in the public eye, the Voodoo staff should be too ignorant to offer effective criticism. Perhaps their next issue will oblige.—Ed.



Vol. LXXXV No. 2 Feb. 17, 1965

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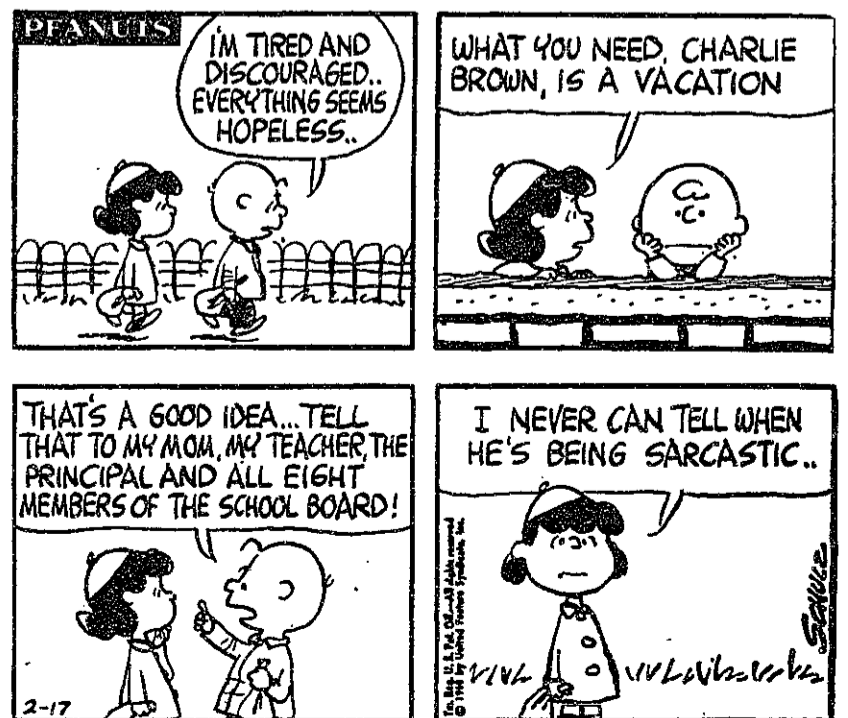
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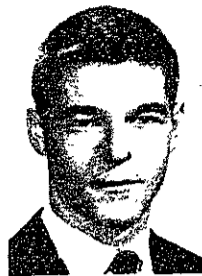
Unsigned editorials in The Tech are the opinion of The Tech's Board of Directors, not that of MIT. The Tech welcomes letters from its readers. Space permitting, such letters will be printed in whole or in part, if deemed by the editor to be of sufficient interest or benefit to the community. Brevity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



PEANUTS appears daily and Sunday in the Boston Herald.

Four try for sophomore class president

Class of '68



Ken Morse

Believe it or not, after only one term in office, I will do part of my campaigning on the basis of my past record. I was Chairman of the Freshman Council which broke three records in less than a term: we got more frosh to Field Day than ever before, we had the best

first term feedback program the Institute has ever seen, and we sold more beaver pins than any other previous class, getting us out of debt.

I've had experience—from Field Day activities to the fine working relationship I have with the Deans, faculty, and my classmates. Enthusiastic response to the second term council will give us even more strength.

I feel that, on the whole, I've done a good job so far, and that the programs for the future should be run by the men who started them. The only political promise I'll make is that, if I'm elected, I will ask for lots of your help to try to break more records.



Bruce Anderson

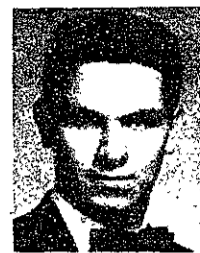
The office of sophomore class president is very ill defined. It is more a position with opportunity than a job laden with duties. The traditional tasks are organizing for Field Day and representing the class on Institute Committee; the spirited, competent president will find far more to do, however, in the areas concerning the fiscal, academic, and social aspects of the class.

I have given much serious thought to these responsibilities, and I feel I can discharge them effectively. By my candidacy, I pledge myself to make the necessary sacrifices and to work for the betterment of the class of '68.



Jeff Stokes

I have always respected the individualism and originality of Techmen. Like the Athenians of Pericles they are always coming up with something new. I respect upperclassmen also. By no means is this initiative and enthusiasm limited to a small hierarchy of politically-minded freshmen; I have seen it everywhere: in sports, in the publications, in the music clubs, even in class. There are things we can do together that haven't been done before. As President of the Class of '68 it will be my concern to see that our tremendous store of creative energy is put to the best possible use.



Roy Folk

Student government, at any level is a serious business, and I feel that my leadership, as president of the class of '68 can provide a more level-headed management of the funds and affairs of the class.

I have gained invaluable experience while serving the class on Freshman Council as chairman of the Stagecoach Committee for Field Day and through my work on Beaver Pin publicity and sales.

I should like to work for better communication between all interested individuals of the class and their government and more participation by these individuals in class activities.

For this, I need your support on March 2.

This is to announce the opening of
The Parisian Auto Repair Shop
366 FRANKLIN ST., CAMBRIDGE Phone 354-9883

Repairs on Peugots and Renaults with genuine factory parts
 Now your French mechanic, CHARLES LAMPS, is ready to service you

3M company gives \$4,000 chem. grant

Four thousand dollars will be granted to MIT by the 3M Company of St. Paul, Minnesota for a technical fellowship in chemistry.

The grant is part of the annual aid-to-education program sponsored by the company, formerly known as Minnesota Mining and Manufacturing, Inc.

The company also announced that it will give \$300,000 in cash during the 1965-66 academic year to more than 50 schools in 24 states for scholarships, fellowships, grants-in-aid, and other special programs.

M.S. and Ph.D. Graduates Make Their Mark At TRW

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 Optical Sensors Design and Development



SYSTEMS RESEARCH

DAVID D. WERTS
 M.S. Aeronautical Engineering '61
 University of Minnesota
 Spacecraft Performance and Astrodynamics



Junior gets patent

Patent 3,166,857 was awarded to MIT junior Marion Wood for an educational device for solving problems in syllogistic logic. According to the New York Times, Wood won a prize at the 1961 Westchester, New York, science fair with his teaching machine and filed for the patent a year later.

Wood has been high on the dean's list and is on the varsity lacrosse and hockey teams.

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Discuss opportunities with members of STL's technical staff on campus
February 23,
February 24,
and
February 25

If you are receiving your M.S. or Ph.D. during 1965, we invite you to join this select group, which is working on projects such as Pioneer, Orbiting Geophysical Observatory (OGO), nuclear detection satellites, and variable-thrust descent engines for Apollo and Surveyor lunar landings. You will find exciting and creative assignments at TRW in the area of your major discipline. Investigate one or more of these fields: Theoretical Physics, Systems Engineering, Radar Systems, Experimental Physics, Applied Mathematics, Space Communications, Space Physics, Antennas and Microwaves, Inertial Guidance, Analog Computers, Solid State Physics, Computer Design, Telecommunications, Digital Computers; Guidance and Navigation, Electromechanical Devices, Engineering Mechanics, Applied Aerodynamics and Propulsion Systems.

TRW will assist you in your career planning by encouraging you to continue your development through the many educational opportunities offered by major colleges and universities in the Los Angeles area. You may participate in TRW's Development Programs, as you assume greater responsibilities.

Please make arrangements with your Placement Office for an interview; or you may write College Relations, TRW Space Technology Laboratories, One Space Park, Redondo Beach, California. TRW is an equal opportunity employer.

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- NEW worlds to conquer; NEW excitement, pleasure, thrills

RAGGED MOUNTAIN
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Lincoln Lab's LES-1 attempted to test new experimental equipment

(Continued from Page 1)

the LES-1 is conceptually different, using no elaborate stabilization techniques. Four optical detectors sense the direction from reflected sunlight. Switches then turn on eight moderately directional transmitting horn antennas pointing toward the earth.

The danger of temperature imbalance due to the intense sunlight are remedied by a simple, lightweight method. During the ejection from the parent vehicle, the LES-1 is set spinning about an axis of 180 rmp. Interior electromagnetic coils are connected to the solar cell panels at opposite ends of the satellite. When one of these panels is illuminated, current flows and a magnetic field is generated. Interaction with the earth's magnetic field occurs and produces a torque on the satellite. Requiring no ground commands, this 200gram, 0.2 watt system maintains the spin axis of the satellite perpendicular to the direction of the sun's rays.

Auxiliary Equipment

Electrical power, supplied by 18 square panels of 132 individual solar cells apiece, is about 5 watts per panel when fully illuminated. Naturally, all panels are not exposed to the sunlight simultaneously. Suitable voltages are then obtained by a 20 watt converter which powers the X-band transponder (transmitter and receiver) and a 3-watt convert which powers the telemetry equipment.

The telemetry system can assemble data from as many as 80 instruments, convert it from analog to digital form, and transmit sequentially at a bit-rate of 100 bits per second. The digital portion is unique in that it uses one one-thousandth the power of the best conventional devices: 0.00003 watts per "flip-flop". Information is then radiated through four stub antennas on the triangular panels on the upper half of the spacecraft. This insures a steady signal at the line-of-sight ground stations.

The X-band Transponder receives, amplifies, converts from one frequency to another, and retransmits signals from earth. It also serves as a beacon of 1 milliwatt for finding and tracking. This may be turned off by

either a ground command or a set two-year timer.

The LES-1 is the first of a series of Titan flight tests to be made during 1965-1966 for developing a number of devices and techniques which may be used in future military communication satellites and satellite communication systems.

TSE seeks student for public relations

Technology Student Enterprises, actively pursuing a policy of planned growth, is seeking a freshman or sophomore to be the MIT public relations representative for United Air Lines.

When asked to comment on this position, Leon Liebman, President, observed, "This is the first in a series of positions within TSE where students of high ability will be selected as representatives of leading corporations. The positions offer opportunity to work at relatively high levels in these companies and also provide substantial financial rewards. We hope all interested students will contact Mr. Jacoby at extension 4971 immediately."

Potential delegates sought for student conferences

Delegates are needed to attend five conferences on problems of United States foreign and domestic policy.

The conferences will be held at various colleges and universities through the country between March 5 and April 25. The travelling expenses of the delegates will be paid.

The subject of the first conference will be "Latin America: How Much Progress?" and will convene at Brown & Pembroke, March 5-6. A second group will assemble at Wake Forest from March 11-13 to discuss "The Emerging World of the American

Negro." At the U.S. Air Force Academy, "The Congress and America's Future" will be discussed between March 31 and April 3.

A recent crisis will be analyzed in the conference entitled "Vietnam," scheduled for April 7-10 at Principia, Illinois. And finally, "Problems of United States Foreign Policy in Africa and the Middle East" will wind up the series at the U.S. Naval Academy from April 21-25.

Anyone interested in participating should sign up at Litchfield Lounge (room 50-110) by Thursday, February 18.

59 undergrads receive degrees

MIT awarded 305 degrees to 288 graduate and undergraduate students on February 2; seventeen students received two degrees.

Degrees awarded include two Bachelors of Architecture, 57 Bachelors of Science, 144 Masters of Science, 14 Engineering, 30 Doctors of Science and 58 Doctors of Philosophy. Of these 4 SB, 3 SM, 1 ScD & 3 PhD degrees were awarded to women.

Recipients of February degrees may accept them at the June commencement exercises if they so choose.

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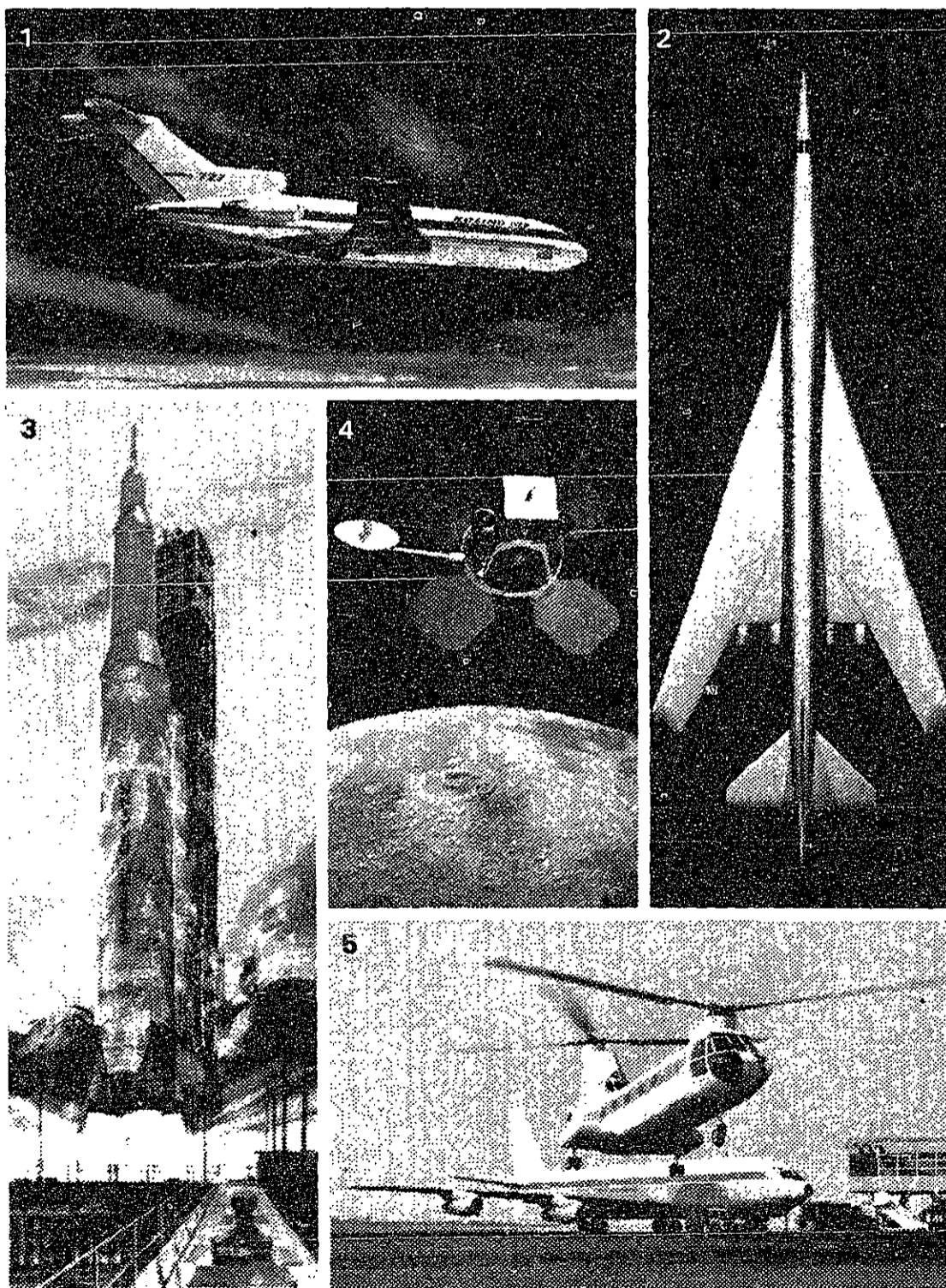
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Campus Interviews Tuesday, Wednesday and Thursday, Feb. 23, 24 and 25



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No matter where your career interests lie — in the commercial jet airliners of the future or in space-flight technology — you can find an opening of genuine opportunity at Boeing. The company's world leadership in the jet transport field is an indication of the calibre of people you'd work with at Boeing.

Boeing is now pioneering evolutionary advances in the research, design, development and manufacture of civilian and military aircraft of the future, as well as space programs of such historic importance as America's first moon landing. Gas turbine engines, transport helicopters, marine vehicles and basic research are other areas of Boeing activity.

Whether your career interests lie in basic or applied research, design, test, manufacturing or administration, there's a spot where your talents are needed at Boeing. Engineers, mathematicians and scientists at Boeing work in small groups, so initiative and ability get maximum exposure. Boeing encourages participation in the company-paid Graduate Study Program at leading colleges and universities near company installations.

We're looking forward to meeting engineering, mathematics and science seniors and graduate students during our visit to your campus. Make an appointment now at your placement office.

(1) Boeing 727, America's first short-range jetliner. (2) Variable-sweep wing design for the nation's first supersonic commercial jet transport. (3) NASA's Saturn V launch vehicle will power orbital and deep-space flights. (4) Model of lunar orbiter Boeing is building for NASA. (5) Boeing-Vertol 107 transport helicopter shown with Boeing 707 jetliner.

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Libraries to change catalogue system to Library of Congress classification

By Al Green

MIT libraries have decided to change their catalogue system in order to adhere to Library of Congress (LC) author and subject headings.

This change is part of the standardization policy started in 1963 by the adoption of the LC classification. It means that the main (name and title) and subject entries under which books are catalogued will now follow the LC system.

Effective January 1, 1965, two catalogues were established in each library. Catalogue cards for all books acquired since the first of the year will be filed in the new catalogues according to American Library Association filing rules. In addition, the library hopes to refile cards for all books acquired since 1963 (that is, all books with the LC classification)

in the new catalogue as soon as funds become available.

Author cards for the remainder of the MIT collection, those titles classified under the Dewey Decimal System, will be revised and refiled under LC main entry headings over a period of several years. The library will have to seek the approximately \$400,000 necessary to facilitate the change.

The ultimate goal of the project is to have author cards for all books in the MIT collection revised according to the LC system and filed in the new catalogues. In addition, the new catalogues will contain subject headings for all books with an LC classification. To avoid excessive costs, the subject entry for books with the Dewey classification will be filed separately in the second catalogues.

It was emphasized that, during the period of changeover to LC

main entries and subjects, library users will have to consult both catalogues to be sure of getting all the material in the library collections on their topic.

Although the change creates a temporary inconvenience to the reader, library officials said that the new system will ultimately facilitate library use. The new system will follow a national standard which is established and codified. This means that books can be processed by non-professionals under professional guidance at reduced costs and can be made available to readers sooner.

Annual Military Ball scheduled March 6

MIT's annual Military Ball, this term's most formal campus event, will be held in the Burton dining hall Saturday, March 6, from eight to twelve.

Music will be provided by the VIP Combo of the Eighth Air Force Band. Intermission entertainment will feature the MIT Logarithms. At the end of the concert, the 1965 Military Ball Queen will be crowned from the court of three princesses.

Voting earlier in the week will elect a princess for each of the three ROTC units, but the final judging will take place at the ball. Dates of all cadets or midshipmen attending the ball are eligible for the Queen Contest. In addition to the laurels awarded the queen, each princess will receive a memento from the sponsoring ROTC departments.

Tickets are now available from various members of the military societies or from the secretaries of the ROTC departments. The price this year, including refreshments and souvenir favors, is five dollars per couple.

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—New York Times

"Superb musicianship."
—Christian Science Monitor

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—Berliner Morgenpost, Berlin

"Everywhere I went throughout Russia, I heard about the Chorus . . . A wonderful expression of America."
—Averill Harriman

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FEBRUARY 19 and 20, 1965 8:30 P.M.

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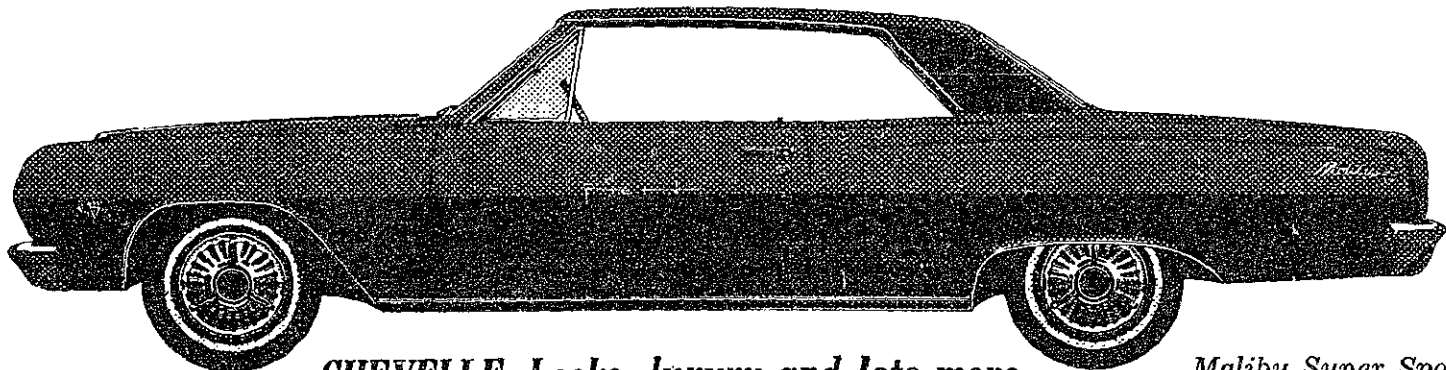
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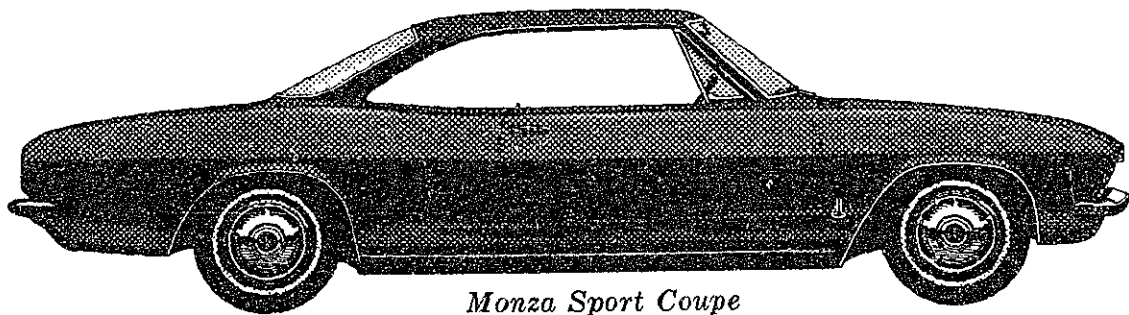


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Madnick . . .

(Continued from Page 2)

ment about MIT at the end of the freshman year was that MIT was not "collegiate" enough.

The need is here and now, it does exist. As one of the Sussman subjects stated: "Something should be done to get students to enter into things, not stay locked in their rooms. I don't know what can be done. They're wasting their best years."

President Stratton worded it: "In short, we must encourage, on the part of the faculty as well as students, a personal identification with the Institute, with its interests and its purpose."

Our past UAP's, Samuels, Luebers, Bowman, on down the line recognized the problem. As Ex-UAP Woody Bowman commented in his final report: "the constituency of Student Government is students and they can legitimately expect their government to represent them as students to the administration." He continued "It is time that the Institute Committee meets more regularly to discuss general problems to uncover student dissatisfactions — after all, the Institute Committee is the most representative body of undergraduates."

These are the issues too long ignored, which if elected I will correct. What I have presented is statement of policy, I hope to provide a concrete platform in the very near future.

Relax and Divert

CAMPUS CUE

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(Opposite B. U. Towers)

Pocket Billiards

"Great for a Date"

Movie Schedule

ASTOR — 'Pumpkin Eater,' 9:30, 11:30, 1:30, 3:30, 5:30, 7:30, 9:30.
BEACON HILL — 'Kiss Me Stupid,' 10:15, 12:30, 2:45, 5:00, 7:15, 9:30.
BOSTON CINERAMA — 'Mediterranean Holiday,' Wed. at 2:00; Sat., Sun., and holidays at 2:00 and 5:00; Mon. through Sat. at 8:30 pm. Sunday at 8:00.
BRATTLE — Olmi's 'The Fiances' plus short subject 'Chagall.' Shows daily 5:30, 7:30, 9:30; matinee Sat. 3:30.
CAPRI — 'Contempt,' 10:30, 12:25, 2:10, 4:05, 6:00, 8:00, 9:50. 'Mr. Magoo,' and shorts, 12:10, 2:05, 4:00, 5:55, 7:50, 9:45.
CENTER — 'Operation Snafu,' 11:20, 2:45, 6:15, 9:40; 'Conquered City,' 9:40, 1:05, 4:35, 8:00.
CINEMA, KENMORE SQUARE — 'Marriage Italian Style,' 2:10, 4:00, 5:50, 7:40, 9:30.

ESQUIRE CINEMA — 'Girl With Green Eyes,' 6:30, 9:45; 'World of Henry Orient,' 8:00.
EXETER — 'World Without Sun,' 2:15, 4:05, 5:50, 7:40, 9:30. 'Churchill's Funeral — A Nation's Homage,' 2:00, 3:45, 5:35, 7:20, 9:10.
FINE ARTS — 'Ballad of a Soldier,' 7:00 pm and 10:00 pm; 'Yolimbo,' 5:30, 8:45.
GARY — 'Mary Poppins,' 11:30, 2:00, 4:30, 7:00, 9:30.
HARVARD SQUARE — Through Sat. 'Mondo Cane,' 2:55, 6:25, 9:55; 'The Killers,' 1:20, 4:45, 8:05. Sun.-Mon.-Tues.: 'Glant,' 2:00 and 8:00; 'Youngblood Hawke,' 5:35 only.

KEITH MEMORIAL — 'Malamondo,' 9:45, 12:45, 3:45, 6:50, 9:50; 'Two Living on Dead,' 11:05, 2:05, 5:05, 8:05.
LOEW'S ORPHEUM — 'Two on a Guillotine,' 11:25, 2:50, 6:20, 9:50; 'Blood Creatures,' 10:00, 1:25, 4:55, 8:25.
MAYFLOWER — 'Sex and the Single Girl,' 10:00, 1:35, 5:25, 9:10; 'Girl of the Night,' 12:00, 3:35, 7:30.
MUSIC HALL — 'Goldfinger,' 10:00, 12:00, 2:00, 4:00, 6:00, 8:00, 10:00.
PARAMOUNT — '36 Hours,' 9:45, 12:05, 2:30, 4:50, 7:10, 9:35. 'Wandering Wind,' 9:20, 11:40, 2:05, 4:25, 6:45, 9:10.
PARIS CINEMA — 'Seance on a Wet Afternoon,' 2:00, 4:00, 6:00, 8:00, 10:00.
PARK SQUARE CINEMA — 'Marriage Italian Style,' 2:10, 4:00, 5:50, 7:40, 9:30.
SAXON — 'My Fair Lady,' evenings at 8:30, Sun. at 7:30, mat. Wed., Sat., Sun., and Hol. at 2:00.
UPTOWN — 'Goodbye Charlie,' 11:00, 2:25, 5:50, 9:25; 'Kitten with a Whip,' 12:50, 4:25, 7:50.
WEST END CINEMA — 'Bay of the Angels,' 11:45, 1:45, 3:45, 5:45, 7:45, 9:45.

HARVARD SQ. UN 4-4580

"THE PUMPKIN EATER"
2:00, 5:50, 9:35

Alberto Sordi in "MAFIOSE"
(original Italian version)
4:00 and 7:45

Sun.-Mon.-Tues.: W. C. Fields
in "DAVID COPPERFIELD"
4:20 and 9:05

Laurence Olivier in
"PRIDE AND PREJUDICE"
2:15 and 7:00

BRATTLE SQ. TR 6-4226

Through Saturday:
"Woman in the Dunes"
5:20, 7:30, 9:40

Matinee Saturday at 3:15

Sun.-Mon.-Tues.: Griffith's
"Birth of a Nation"
5:30, 7:30, 9:30 daily,
Matinee Sunday at 3:30

THEATRES

CHARLES PLAYHOUSE — 'The Madwoman of Chailot,' by Jean Giraudoux; no times available.
THEATRE COMPANY OF BOSTON — 'Live Like Pigs,' by John Arden; Tuesday through Friday at 8:30 pm, Saturday at 6:45 and 10:00 pm, and Sunday at 5:00 and 8:30 pm.

Coming attraction

Tech Show: 'You Gotta Have Art'

Tech Show '65, "You Gotta Have Art", to be presented on March 4, 5, 6, 12, and 13, at 8:30 P.M. in Kresge Auditorium is now in rehearsal. The several tryouts held in December and January unearthed a variety of talented Technicians, old faces and new, to the Tech Show scene.

This year's original musical comedy is written and directed by Jeff Meldman, a senior in course VI who is a veteran of both Dramashop and Tech Show, being quite instrumental in the activities of both over the years.

Steve Schuman, production manager, is another veteran of MIT theatrical endeavors, as is John Leide, costume designer, a senior in mathematics. John Rylaarsdam, a course V sophomore, can be found most any day in the workshops of Kresge Auditorium fulfilling his role as set designer.

Another sophomore, Ray Seligson is assistant director. Stage manager Dick Gruen, a senior in course XVIII, lends an experienced hand as does Fred Prahl, musical director and composer. Fred, incidentally, is carrying on a family tradition started by his father, whose name can be seen inscribed on the walls of Walker Memorial with other past Tech Show General Managers.

David Fan, a biology graduate student, and Norm Rubin, a junior in course XXIB will be remembered as the villain and romantic lead respectively of last year's show, "How to Succeed in Espionage Without Really Spying." Their talents are put to equally good use in 1965.

Larry King and John Sowle, juniors in courses XVI and XVIII, are both newcomers to the show and share parallel male romantic leads. Al Friedman, a senior in mathematics lends experience to the Tech Show stages as does DeLoss Brown. The many-sided Bernie Simmons, an employee at the Institute and Tech Show veteran, will be seen from all angles again this year. Clay MacDonald, a sophomore in aeronautics and astronautics, rebounds out the list of Technicians actors.

The female roles are filled quite neatly by girls from Boston University, Emerson College, Emmanuel and Radcliffe. Janina Mukerji, from Radcliffe, will be re-

membered from last year's production.

In keeping with long and humorous MIT tradition, the show is a witty farce set in elaborate surroundings. Mr. Meldman's pen undergoes a skillful transition from ballpoint modernism to the quilled splendor of the Italian Renaissance. Mr. Leide's gay, colorful, and whimsy costumes brighten the production and add to the promising enchantment and fun of the evening.

Show has long tradition

Tech Show began in 1898 with a minstrel show designed to raise money for athletics. From this meager beginning, it grew to be an annual tradition. Though musical revues, minstrel shows, and musical comedies were presented, the management of the 1918 Tech Show decided that this was the ideal form for an undergraduate production.

Another custom of the Show was the annual performance at Smith College, made most enjoyable since the cast was all-male. In

fact, in those days MIT's female impersonators had greater fame than those of another well-known Cambridge school.

By the 1920's the circuit had expanded from the single. Smith visit to a tour of many major cities including Buffalo, Pittsburg, and New York. For the most part, the 1930's were lean years as incomes dwindled. Then in 1937, Inscomm revoked the Tech Show charter despite the overwhelming support of the undergraduate students polled.

The close of World War II brought the revival of Tech Show as an annual production presented each Spring. Female parts were now played by girls from neighboring schools. The size of production was scaled down from 500 students to 150, and has continued as such into the present day.

Tickets for "You Gotta Have Art" go on sale this week in building 10. Reservations for living groups or individuals can be handled there or by calling extension 2910.

Making the Scene

S	M	T	W	T	F	S
			17	18	19	20
21	22	23	24	25	26	27
28	1	2	3			

THIS WEEK

- MUSIC**
- Folklore Series — 'The World of Kurt Weill' concert by Martha Schlamme and Will Holt, Feb. 19 and 20; at 8:30 pm; Jordan Hall; admission charged.
 - Boston Friends of SNOC — Concert by Max Roach, Abby Lincoln, and the SNOC Freedom Singers; Feb. 19, at 8:00 pm; New England Life Hall; donation \$2 to \$4.
 - MIT Concert Band — Concert of contemporary music; Feb. 20, 8:00 pm; Kresge Auditorium; admission free.
 - Thirsty Ear — Susan Garfield, folk-singer, Saturday, Feb. 20, 8:30 pm. M.I.T. Graduate House Pub, 305 Memorial Drive. Nominal cover charge.
 - Thirsty Ear — Gene Sullivan's Combo, dancing in honor of Washington's birthday. Sunday, Feb. 21, 8:30 pm; M.I.T. Graduate House Pub, 305 Memorial Drive. Nominal cover charge.
 - Class of 1965 — Concert by Stan Getz, Feb. 21, Kresge Auditorium. No time available.
 - Baton Society — Concert by John Cage, Feb. 22, Kresge Auditorium. No time available.
 - Boston Pops Orchestra — Concert, 22, 8:30 pm, Arthur Fiedler, conductor. New War Memorial Auditorium.
 - War Memorial Inaugural Concert — presentation of Pinkham's 'Canticle of Praise,' directed by Prof. G. Wallace Woodworth; Feb. 24, War Memorial Auditorium.

LECTURE

- LSC — Harry Golden, Feb. 17, Kresge Auditorium; no time available.
- International Student Association — 'Project Accion in Venezuela,' lecture and slides by Bruce Sabbit. Feb. 17, 8:00 pm.
- International Student Center — 'Congo Crisis,' Dean Edmund Gullion. Feb. 21, 8:00 pm.
- MISCELLANEOUS
- M.I.T. Graduate House — Winter Acquaintance Dance, Feb. 19, 8-12 pm. Guys \$1.50; Gals free. 305 Memorial Drive, Campus Room.
- LSC — 'North to Alaska,' starring John Wayne; Feb. 19, 8 pm; Kresge; admission 50c.
- LSC — 'The Pigeon that took Rome,' Feb. 20, 7 and 9:30 pm; 26-100. Admission 50c.

NEXT WEEK

- MUSIC**
- Celebrity Series — Jose Limon and Dance Company. Fri. eve., Feb. 26, Sat. Mat. Feb. 27; admission by series ticket only.
 - Folklore Concert Series — The McPeake Family of Ireland, Feb. 27 at 8:30 pm; Jordan Hall.
 - Bexley Hall Concert — Judy Collins, Feb. 27, Kresge Auditorium.
 - M.I.T. Chapel Organ Concert — Barclay Wood, First Baptist Church, Worcester, Mass.; Feb. 28, M.I.T. Chapel.
 - Boston Symphony Orchestra Organ Series — Donald Willing, organist and choir director of the First Congregational Church of Wellesley, Feb. 28, 6:00 pm. Symphony Hall; admission \$1.50.
 - Celebrity Series — Nathan Milstein, violin virtuoso. Sun. afternoon Feb. 28; admission by series ticket only.
 - MISCELLANEOUS
 - Dramashop — Two One-Act Plays: 'The Jubilee' by Anton Chekov and 'The Dock Brief,' by John Mortimer. Friday, February 26, in the Kresge Auditorium Little Theatre.
 - Lecture Series Committee — Alfred Hitchcock's 'The Trouble with Harry,' in color; Friday February 26, 7:00 and 9:30 pm. Room 26-100.
 - Lecture Series Committee — 'The Four Horsemen of the Apocalypse' starring Glenn Ford; in Cinemascope and color; Saturday, February 27, 7:00 and 9:30 pm. in Room 26-100.

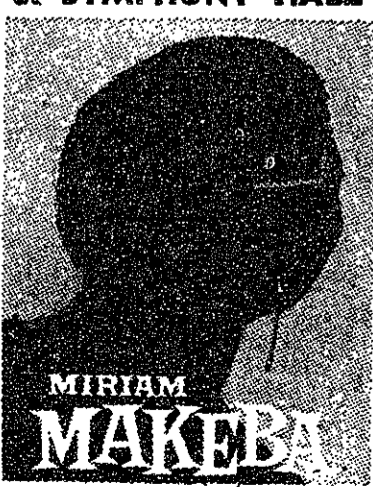
Concert Band to play Saturday at Kresge

The M.I.T. Concert Band conducted by John Corley, will play its first concert of the term Saturday, February 20, at 8:30 pm. The program will include Robert Russell Bennett's ballet, 'Suite of Old American Dances,' performed by The Dance Theatre of Boston, under the direction of Jan Veen, in conjunction with the band.

Also featured will be 'Essay for Band,' by William J. Maloof and 'Prelude and Happy Dance,' by Andrew Kazdin, a former MIT student.

The concert will take place in Kresge Auditorium and is free to members of the Tech Community. Tickets can be obtained in the lobby of Building 10.

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Three Irish one-acters at Little Theatre

By Norm Wagoner

Friday and Saturday evenings, February 12 and 13, the Little Theater played host to Three One-Act Plays of the Irish Arts Festival.

The productions included a large cast, three different producers, a flutist, a drummer, and a harpist, along with colorful costuming and lighting.

The highly theatrical first play, "A Full Moon In March," by W. B. Yeats (the poetic brother of the painter Jack Yeats), had both song and dance. Two attendants stiffly announce a heroic Swineherd to a young Queen, who at first rejects his proposal, insisting on her cruel beauty and her virginity. He bares his sensitive soul, which belies his foul appearance, and develops the theme of the play—the tension between the spirit and the appearance, between the dance and the dancer. She must learn to dance until, as in Yeats' famous

phrase, "You cannot separate the dancer from the dance."

For the second scene, which resembles 'the Honeymoon,' the lover of a Dancer Queen dies so that her rigid movements then become increasingly fluid and sensuous. Thus, with grand slabs of symbolism, the play verges toward the sexual, mystical, and metaphysical.

The acting in this was suitably stylized, although the Dancer Queen (and the flutist) could still have been more fluent.

"A Fourth For Bridge," by Denis Johnston, seemed to be neither very earnest nor Irish, but included as a comic gasp for air between its two companions; of the three, this comedy was most successful. All is casual aboard an airplane flying over Italy during World War II, although four of the passengers—two Englishmen, an American, and a serio-Polish-artisan—are prisoners of an Italian and a German. They banter back and

forth, until the prisoners realize that they can steal the pistol of the air-sick Italian.

Then all Havoc breaks loose, and a series of mock reversals convince everybody that they are equally afraid, human, and lost. The plane also becomes lost, and the pilot exclaims, "Don't ask me my nationality, but tell me where to go!" They wreck the plane, agree to be enemies in case their rescuers should be suspicious, and waltz out, each singing his appropriate national song (for the Englishmen, this is "Taxi!").

As is typical in a farce, all the characters are (national) caricatures. However, they succeed in throwing off their masks, becoming real people, but then, at the end, deliberately resuming their roles. All the acting was good, yet John McDonnell seemed most in the spirit of things.

The last of the three plays, "The Voice of Shem," by Mary Manning, was less of a play and more of a recital. It contained

Steinberg elucidates philosophy of criticism

Well known critic and musicologist William Steinberg spoke Saturday evening, February 13 at a banquet given by the Musical Clubs of MIT.

Mr. Steinberg expressed his belief that his profession is essential to society; music criticism is a sort of gadfly that disturbs complacent artists and complacent audiences, prodding them to think every now and then. Likewise, he believes that critics themselves should be subject to criticism.

The talk, interspersed with amusing anecdotes, made for a delightful evening all around.

movies...

'Seance': the madness of woman

By Jeff Stokes

Was she mad? Perhaps even Billy doubted her sanity at first; perhaps he had doubted it for quite a long while, and was afraid to show it. He was always so silent, melancholy, pensive, maybe because he realized all along that his wife was slowly going out of her mind. At first we thought he was a spineless, dominated husband with no ideas of his own, but maybe he was stronger than that. Had she been in decent mental health, Billy might not have been so willing to submit to her every whim; saddened, however, by the awareness that he was slowly losing his wife to a kind of escapist idiocy, and helpless to prevent it, he let her bully him into total submission. Myra was becoming a little child again, all want and no restraint, and Billy, knowing that he would soon lose her for good, could only let her have her power over him. Billy was no ineffectual coward; he had just resigned himself completely and utterly to fact.

There is something original in 'Seance on a Wet Afternoon.' The plot deals with an old and favorite theme—insanity—but from a new angle: the important thing in 'Seance' is not her madness but its effect on Billy and on their relationship. He loves her all the way through the film, but he can do nothing to make her aware of her abnormalities without hurting her; out of that love, out of pity, out of fear, he hides it from her, and hopefully, but in vain, from himself.

The first time she insists that she is a medium, we suspect nothing amiss; we halfway believe that she can perform a seance and get results. It is only when she reveals her ultimate goal in all these machinations—to send the Clayton's little girl to her still-born son, that is, to murder her—that we realize she is mentally twisted. Good dramatic structure requires that this fact be hidden at first, and director Bryan Forbes deserves our compliments for achieving this effect so well.

In fact, the movie begins by mystifying us in several pleasing ways. For no reason at all, Billy cuts out printed letters from the newspaper, and Myra pushes back a painting to look through a hole in the wall. No, these are not symbols. They turn out to be integral details of a complex and original kidnapping scheme. The opening scenes lead us to expect a long and abstruse chain of symbols resembling 'Finnegan's Wake,' but we find that the mysterious holes and letters and glances are merely foreshadowings of the unfolding intrigue.

'Seance' tells us the story of a perfect crime, a crime of almost James Bond ingenuity. Unlike the Fleming masterpieces, however, the crime is not the object of the film. What concerns us is the character of the woman and the nature of her relationship with her husband.

In the opening scene, where they circle around the room eyeing each other across the bed and making allusions to 'Arthur,' we see in Billy's eyes the agony of the frustrated lover and are fooled. He is thinking not 'Here is a bed and there is my wife' as much as he ponders a more forbidding awareness: 'My beloved is going mad; slowly, irrevocably sinking out of my arms.'

When she pleads, 'Say you love me, Billy, won't you?' he replies after a long and heavy silence, 'I love you.' He knows that to deviate from her will the least little bit would inflict great and needless pain.


This unusual and delicate relationship requires acting of the finest kind; and Mr. Forbes chose well when he chose Kim Stanley and Richard Attenborough for the lead roles.

Compass Seminar set for next Tuesday

"Origin of Non-Thermal Radio Sources and Cosmic Rays" will be the subject of a Compass Seminar to be delivered at MIT by Professor David Layzer, a member of the Department of Astronomy at Harvard University.

He will be speaking in the MIT Earth Science Building, in room 54-100, at 4 p.m. Tuesday, February 23. Tea will be served in the Faculty Lounge, room 54-925, at 3:30 p.m.

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Entertainment Series

SATURDAY, FEBRUARY 20

The Pigeon That Took Rome

26-100: 7 and 9:30 P.M.

50c

New Serial: CAPTAIN VIDEO

Student Center anticipated in 1955

By Jeff Trimmer

10 years ago

The increasing shortage of space at the Institute was the subject of a meeting held last Monday between representatives of the student body and of the Administration.

Discussion at this meeting centered around plans to provide temporary additional space in Walker Memorial. It was pointed out that these would be merely interim measures, to last a few years until the Student Union Building is completed. No definite plans were established, although many suggestions were forthcoming.

25 years ago

(Following a bad blizzard, The Tech ran the following story. Ed.)

With most of the students and professors left snow-bound at home by the 80-mile blizzard, the biggest blow since the hurricane of 1938, a small number of students, professors and secretaries went forth yesterday morning to brave the wiles of winter on skis

to reach the Institute. Among those undaunted professors were Norbert Wiener of the Mathematics Department and Isadore Amundur of the Chemistry department. Also one professor came to school on snowshoes . . .

The storm was a blessing to the Institute skiers, for seemingly hundreds of them were slipping around all day yesterday and the night before last. Many used the Rogers Building and Walker Memorial steps as down-hill ski runs. Some even thought of using the dome as a ski jump . . .

No sooner had the storm started when the rivalry between the old and new dormitories came to life again. Gangs from each dormitory attacked the other alternately in snowball and water fights. One student improvised and used a flame thrower consisting of an old fire extinguisher pump filled with gasoline.

Yesterday the snow fights continued without a stop all day and as usual for dorm winters resulted in a dozen broken windows.

The fraternities took advantage of the storm and holiday in many diversified ways. The Theta Chis spent their time jumping from third and fourth floor windows into large snow drifts piled high against their house. A large group of fraternity boys aided transportation by freeing a large Greyhound bus caught in the snow-drifts. There is also the Greek Letter man who bet he could cross Harvard Bridge four times at the height of the storm. He lost.

50 years ago

A few weeks ago the Class of 1916 furnished amusement and information to the honorable members of the Faculty in various periods of two or three hours; and now some of the Faculty, to prove that they bear no malice toward their unhappy victims for the L's, F's, and FF's incurred by the latter, have consented to meet the Junior Class tomorrow evening at the Union as if they had all made C's . . .

"I gave several F's," said Prof. Blachstein, when asked to lay aside hard feeling and join the celebration, "but only to men of English or French descent. That is no reason why I should deprive the many worthy German Juniors of my society, so I shall be present. I must, however, be asked to be excused from singing 'Tipperary.'" The subject of Mr. Blachstein's words must remain shrouded in mystery, as the only hint he would vouchsafe was, "I shall speak on ze spur of ze moment."

75 years ago

In 1889 Christmas vacation was confined to Christmas day itself. Ed.)

Just before the 25th of last December a petition for two days extra vacation at Christmas was presented to the Faculty. The petition was signed by about two-thirds of the undergraduates, and it was generally expected that it would be granted; nevertheless it was refused, mainly on the ground that it did not represent the wishes of a decided majority of the students.

(The interpretation was that those who hadn't signed the petition were adamantly against extra vacation days and many of those who had signed actually weren't in favor of the proposal either. Oh, well. Ed.)



1. I've been weighing the possibility of becoming a perpetual student.

Last week you said you were considering the merits of mink farming.



2. With graduation drawing near I realized how much more there was for me to learn.

You didn't also realize, did you, that when you graduate your dad will cut off your allowance?



3. I must admit the thought did enter my mind.

Has the thought ever entered your mind that you might get a job and make a career for yourself?



4. What about my thirst for knowledge?

Just because you work doesn't mean you have to stop learning.



5. You mean earn while learning?

Right. And you can do it at Equitable. They'll pay 100% of your tuition toward a qualified graduate degree. At the same time, the work is challenging, the pay is good, and I hear you move up fast.

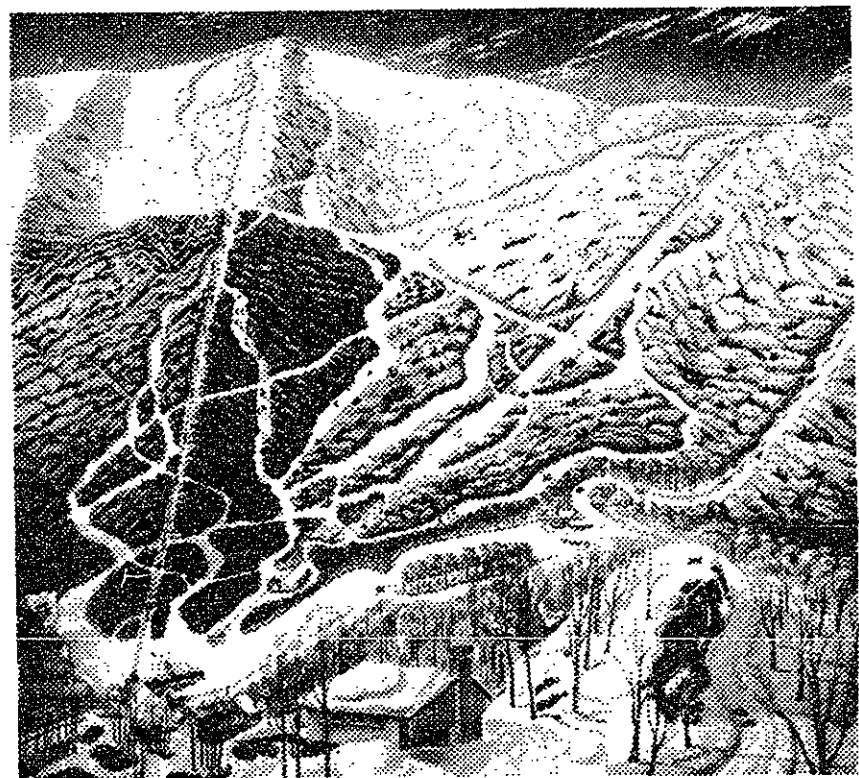


6. But what do I know about insurance?

With your thirst for knowledge, I'm sure you'll be the star of their development program.

MIT Choral Society to sing at new War Memorial Auditorium

The new Boston War Memorial Auditorium will kick off its new season with a concert of choral music next Wednesday evening, February 24. The 650-man chorus will include the M.I.T. Choral Society under the direction of Klaus Liepmann. The combined chorus will sing a new work by Daniel Pinkham commissioned especially for the occasion, Randall Thompson's 'Alleluia,' and the Hallelujah Chorus from Handel's 'Messiah.' Three different conductors will lead these works: Dr. G. Wallace Woodworth, Randall Thompson, and Dr. Thompson Stone, respectively. The program will include an exhibit commemorating the hundredth anniversary of classes at M.I.T.



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NOTE: More trails and facilities have been added since the above picture was made. (1) The "Antelope", with varying grades, dozens of turns, 2 1/2 miles long, 200' drop; (2) The "Quackie" trail net from the top of the Double Chair; and the "Periwinkle". Also a colorful nursery building, and for older children, the popular Chipmunk Club with its own shoulder patch and occasional races and prizes for almost all.

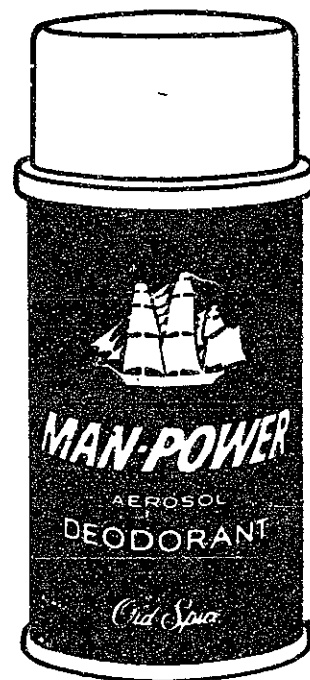
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AF offers two-year plan

The Department of Air Science has announced a new Air Force ROTC two-year program which allows students with two academic years remaining, beginning with September 1965, before the award of an undergraduate or graduate degree, to complete the requirements for a commission in the United States Air Force.

To be eligible for the program next September, male students must apply this month and complete the Air Force Officer Qualification Test, subsequently pass the officer commissioning physical examination, and have an interview with the Department of Air Science. Then in May, the successful applicants, based on nation-wide competition, will be given invitational travel orders to attend a 6-week Field Training Course this summer at an Air Force Base. Students will receive

Boston Rotary Club announces one year foreign fellowships

The Boston Rotary announced recently that it will be offering Rotary Foundation Fellowships for International Understanding for the academic year 1966-67.

The fellowships provide for one all-expenses-paid year of graduate study in a foreign country. Further allowances are made for travel within the country of study; candidates will also be invited to local Rotary clubs abroad.

The Rotary Club hopes in this way to serve as "ambassadors of good will" in a time of international unrest, as well as to help promising scholars. There are presently 135 Rotary Fellows from over 70 countries who are undertaking graduate work in 58 countries throughout the free world.

In order to qualify for a Rotary Fellowship, an applicant is required to be a male between the ages of 20 and 28, to be single, to be a citizen of the country of his permanent residence, to have interest in world affairs, to have a college degree, and to be able to read, write and speak the language of the country in which he is to study. Most important is that he have a friendly personality and ability to speak in public, to enable him to make effective contacts abroad and at home. The Boston Rotary also requires residence in the Boston area.

Interested candidates should address inquiries to Rotary Clubs in their home towns.

approximately \$120 plus 6c a mile travel allowance to and from the Base selected for the training.

Next September, those applicants who have successfully completed the summer training, which will include the entire military training normally given during the four years on the campus to other Air Force ROTC students and the academic work that is normally accomplished during the first two years, will be enrolled for four semesters of academic training only. This includes Seminar in Growth and Development of Aerospace Power during the junior year, and Leadership and Management during the senior year. Also, the students will receive \$40 a month for 20 months during their junior and senior years.

It is necessary that a student be a United States male citizen to qualify for this new program.

The decision as to whether or not to apply for pilot or navigator training is entirely up to the students and may be deferred until two semesters prior to graduation. However, a more rigid physical examination is required for flying training.

Normally, all MIT graduates who are commissioned in the Air Force receive assignments in the research and development areas closely associated with their baccalaureate training. Also, there are provisions for educational delays for call to active duty to complete graduate studies or applications for graduate training as an officer.

For additional information on the new program, interested students contact the Department of Air Science.

McFarland awarded Harvard Fellowship

John McFarland, MIT '64, has been awarded one of Harvard's coveted Graduate Prize Fellowships in the Department of Economics.

A Dean's List student, McFarland obtained his undergraduate degree in economics.

The fellowship program, created in 1964, guarantees its members continued financial support for either four or five years. Each fellow is required to teach for two years. Those fellowships which extend to five years provide one free year for research. The program, which this year extends to 45 students in five departments, is primarily designed to produce Ph.D.'s prepared for independent college training.

APO, TCA and Red Cross join in annual drive

Alpha Phi Omega (APO) service fraternity and the Technology Community Association (TCA) will be soliciting donations for the Red Cross blood drive to take place March 22 to 26.

Donations for the campus-wide drive will be solicited from students beginning February 23.

Gardiner Gay '67, of Baker House, will be organizing solicitations in the dormitories; he is a representative of Alpha Phi Omega. Paul Lindsey '66, of Lambda Chi Alpha, will oversee solicitations in the fraternities on behalf of TCA. Together they hope to bring in 1700 pints of blood.

Last year's drive drew 1309 pints of blood, which represented a record high for the amount of blood accumulated at any single location on the Eastern Seaboard during peace time. Gay and Lindsey have pointed out that prospective donors had to be turned away last year because of insufficient facilities and staff. However, this year's plans call for increased facilities and twice as many staff members, so that everyone who wishes to donate can be accommodated.

It is also significant to note that the blood drive will be conducted at a time when the Massachusetts blood bank supply is normally low. Thus, the contribution from MIT will form a large percentage of the state supply of blood during a two week spring period.

Blood will be taken in room 7-142, formerly the Office of the Registrar. During solicitation week, there will be an information booth in the lobby of Building 10. Parents' consent is needed for student donors under 21, unless they gave blood in last year's drive.

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College World

Random poll on Vietnam situation completed by Harvard's Crimson

By Jeff Trimmer

Our neighbors up the river took a poll of various Harvard and Radcliffe students the other day. The Harvard Crimson undertook to call various students randomly in an effort to determine campus opinion on the Vietnam situation. In all, some 30 people were asked for opinions.

The poll revealed some surprising or some not-so-surprising results, depending on your point of view. Although 40 per cent of those interviewed favored U. S. withdrawal from Vietnam, some weren't so sure of anything. "I don't know much about Vietnam," said a Radcliffe sophomore. "I thought I did until they started to pass out some of those pamphlets which said that everything I thought was wrong. Isn't the Viet Cong Communist?" Another responded with "I just don't know; I'm not sure what we should do."

With all the attention of the nation focused on some recent student riots for free speech, sycamores, etc., it was refreshing to read of one riot without political implications. The students of North Carolina Wesleyan College weren't too pleased with the food situation in their cafeterias and proceeded to protest with a strike.

Passing through the cafeteria line led one directly to the garbage line where full trays of food were dumped. Speeches and songs of the "We Shall Overcome" variety gave the students heart. Af-

ter two hours of dumping and service being refused to two German Shepherd dogs, the administration admitted the problem and agreed to consider the demands of the strikers. Some students thought they gave in too easily and offered to protest this, but the more conservative elements prevailed.

One of the fraternities at Ohio Wesleyan University came up with a party. Inviting the pledges from one of the neighboring sororities to a Playboy party they required that the girls come dressed for the occasion complete with bunny costumes. The pledges managed to make their costumes except for the cuffs and collars which the fraternity men provided. As part of their pledge tasks the girls were required to serve the fraternity men and their dates.

There has been much comment about the moral decline of today's college people. In perhaps an attempt for self-regulation the interfraternity conference at the University of Rochester passed a

resolution outlawing sex in facilities operated by members of the IFC. The note proceeds with the statements that "student opinion varied concerning the university administration's new so-called 'bedroom rules' which prompted the IFC resolution, but one student commented, 'If you take a girl in your room you should be able to entertain her any way you see fit.'"

There's an article in The Trinity Tripod, the newspaper of Trinity College, for the final note. The British Salvation Army, it seems, recently suggested that the "violence, illicit sex, gambling and gourmandizing" of the late Ian Fleming's James Bond books may be demoralizing British youth. The article from the British Salvation Army's publication War Cry, suggested that, "As most Bond fans are youngish, it may not be coincidence that the . . . criminal statistics for England and Wales show a nine per cent increase of indictable offenses, including robbery, murder, and other crimes of violence."

First MIT classes 100 years ago; Institute began in one classroom

February 20 marks the hundredth anniversary of the beginning of classes at William Barton Roger's new Institute.

The 1961 Centennial celebrated incorporation of the Institute by charter, but shortly after that document was signed in 1861, the Civil War began, postponing MIT's beginning. It wasn't until February 20, 1865, that the first class was held.

On that date 15 men enrolled for a Preliminary Course of Instruction in the MIT School of Industrial Science. It was held in one room on the second floor

of the Mercantile Library Building at 16 Sumner Street, Boston. Although the building no longer exists, there is a plaque marking its site—on the Kennedy Building on Hawley Street. MIT's first full year of classes started there, too, because the building on Boylston Street wasn't yet ready.

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Dale Anderson
B.A., Willenberg University

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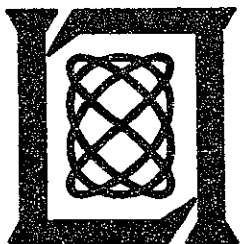
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Placement Bureau guides students

Now located in the institute's most recent addition, the Daggett Building (E19), MIT's Placement Bureau continues serving Tech students in a variety of ways.

For example, representatives from many companies across the

nation will be interviewing prospective employees here during the next few months. Each year over 500 companies meet Tech students in this way.

In addition to helping place students in permanent positions, the Placement Bureau provides guidance in many other areas, including those of summer jobs and foreign opportunities.

Techmen of all levels may find aid at the Placement Bureau. For undergraduates seeking summer employment, the Bureau offers a comprehensive file listing companies throughout the country which regularly employ students on a summer basis, including in sev-

eral overseas job programs.

Graduating seniors have access to an extremely thorough library of graduate school catalogs from around the world, graduate fellowship information and permanent job opportunities. Those interested in either the Peace Corps or the military may also find guidance at the Placement Bureau. Service to alumni is provided by the Alumni Placement Office, which operates expressly for serving MIT graduates.

The Placement Bureau is continually trying to keep the student body informed of all available opportunities. Notices concerning interviews with companies, job offerings across the country (including summer programs), graduate school and financial aid information, foreign opportunities, and Peace Corps and military announcements are sent periodically to all living group leaders as well as to department counselors and other faculty members.

The MIT Placement Bureau, one of the largest on any campus in the country, attempts to meet the requirements of its entire student body.

Riflemen beat Brooklyn; Take 3rd in tournament

By Karl Frederick

Tech riflemen triumphed over Brooklyn College, 1392-1366, in a non-league home match last Friday and took third place in an intercollegiate tournament held by the U. S. Coast Guard Academy in New London, Conn. on Saturday. All firing was done on standard "American" targets.

Leading the attack on Brooklyn was Jim Downward '65, with an outstanding 292, followed by Dave Hamada '65, 278; Karl Frederick '65; Andy Sherman '67, 273; and Tom Hutzelman '66, 273.

In Saturday's action, MIT en-

tered three four-man teams in a field of 45 others. Our best score, an 1134, was turned in by Frederick, 289; Downward, 285; Steve Walther '66, 282; and captain Hamada, 278, who had to fire the 36 minute course in 20 minutes. First and second place scores were shot by West Point, 1160, and Coast Guard, 1142.

MIT's other teams fired an 1102, shot by Charles Marantz '67, 286; Hutzelman, 280; Sherman, 270; and Fred Hottes '67, 266; and a 1076, by Jim Bridgeman '65, 283; Phil Rosenkranz '67, 274; Richard Koolosh '68, 261; and Gordon Logan '68, 258.

Bowdoin trounces Skaters 14-2 Record now 2-7; UMass next

By Gerry Banner

The MIT hockey team was hopelessly outclassed by a far superior Bowdoin six last Saturday 14-2 in losing its seventh game of the season against two wins. The game at the Brunswick, Me. school was the most frustrating game since the 13-0 loss to Amherst earlier in the year.

Bowdoin leads 11-0

The Bowdoin skaters took over from the opening faceoff and had scored six goals to none for Tech by the end of the first period. They added five more goals in the second period before Pete Getting '66 scored on an assist from Loren Wood '66 at 19:59.

Steve Shapiro '66 scored the only Tech goal of the third period at 18:27 assisted by Pete Catto '66 while Bowdoin was scoring its final three goals. Steve Wales sparked the Bowdoin attack with four goals while teammates Bill Allen, Ben Soule, and Pete Coupe each contributed two.

MacDonald saves 36

Tech goalie Bob MacDonald '66 played a much better game than the score indicates. He made 36 saves, and several goals came on rebounds that should have been gathered up by the defense. Leger, the Bowdoin goalie, had a rather easy time in making only 13 saves during the three periods.

The Wesleyan game scheduled for last Friday was postponed tentatively to February 22 because of bad weather. Our skaters will next see action tonight against UMass which has previously beaten us.

On Deck

Wednesday, February 17

Basketball (F) — Harvard, Home, 6:15 pm.
Wrestling (V) — Tufts, Away, 8 pm.
Swimming (V) — Wesleyan, Home, 5 pm.
Wrestling (F) — Tufts, Away, 6 pm.
Swimming (F) — Wesleyan, Home, 3 pm.
Indoor Track (F) — Governor Dummer Academy, Home, 4 pm.
Hockey (V) — Massachusetts, Home, 7 pm.

Thursday, February 18

Wrestling (JV) — Boston College, Home, 4 pm.

Friday, February 19

Basketball (V) — Coast Guard Academy, Home, 8:15 pm.
Basketball (F) — Thayer Academy, Home, 6:15 pm.
Squash (V) — Trinity, Away, 4 pm.
Squash (F) — Trinity, Away, 4 pm.
Hockey (V) — W.P.I., Away, 5:15 pm.
Hockey (F) — Thayer, Home, 5 pm.
Rifle (V) — Wentworth, Away.

Saturday, February 20

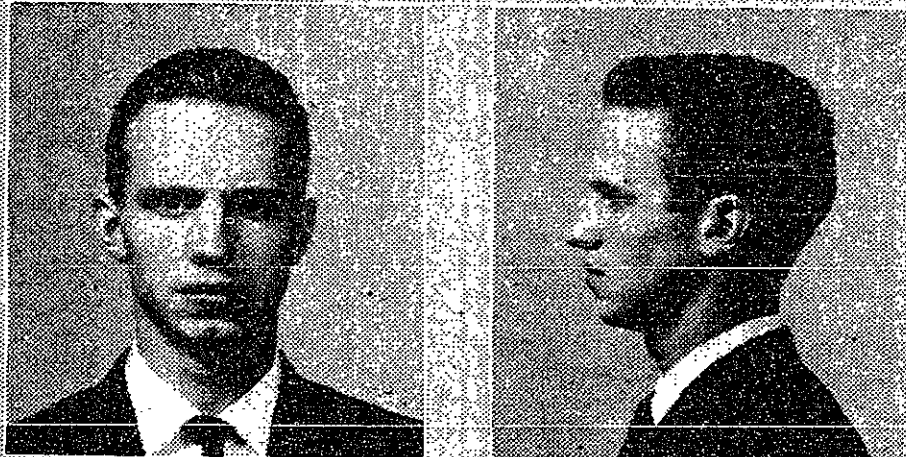
Basketball (V) — Middlebury, Home, 8:15 pm.
Basketball (JV) — Harvard, Home, 6:15 pm.
Wrestling (F) — R.P.I. Away, 3:30 p.m.
Wrestling (V) — R.P.I., Away, 2 pm.
Swimming (F) — Wellesley High School, Home, 2 pm.
Indoor Track (V) — New Hampshire, Home, 12:30 pm.
Indoor Track (F) — New Hampshire, Home, 12:30 pm.
Fencing (V) — Stevens, Home, 2 pm.
Fencing (F) — Lenox School, Away, 2 pm.
Squash (V) — Army, Away, 1 pm.
Squash (F) — Army, Away, 1 pm.
Hockey (F) — Lawrence Academy, Home, 5 pm.
Rifle (V) — Coast Guard Sectional, Away.
Skiing (F) — Merrimack Slalom, Away.
Skiing (V) — Syracuse Carnival, Away (through Sunday)

Sunday, February 21

Skiing (F) — Harvard Down Hill, Away.

Tuesday, February 22

Swimming (V) — Brown, Away, 8 pm.
Swimming (F) — Brown, Away, 6:30 pm.



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Frosh sports

Wrestlers defeat Amherst 23-15

By John Kopolow

The freshman wrestling team improved upon its fine record last Wednesday by defeating Amherst, 23-15. The frosh were most successful in the lighter weight classes, as they have been all year long. In the 123 lb. class Tom Lang took a 3-0 decision. Bill Harris (130 lb.), Steve Bishko (137 lb.), and Norm Hawkins (147 lb.) each pinned his opponent. Steve Reimers in the 167 lb. class captured the final five points for Tech by pinning his man.

However, last Saturday the first-year matmen faced probably the strongest wrestling team they have faced all year long, Springfield College. The outcome was a 23-10 MIT loss, the worst defeat the frosh have suffered. The only winners for MIT were John Fishback (157 lb.) with a last period pin and Norm Hawkins (147 lb.), who gained a 6-5 decision in the closing seconds of his match. Bill Harris tied his opponent in the 130 lb. class, each man picking up two points in a hard fought struggle.

Nevertheless, the rest of Tech's freshman grapplers certainly have nothing to be ashamed of as each fought extremely well. Steve Bishko (123 lb.) dropped a very close 3-2 decision, a match which could just as easily have gone the other way. Steve Reimers lost by default as the result of a bad cut over his eye. Tom Lang, George Smith, and Tom Garvey also wrestled well in losing efforts. Tonight at Tufts the frosh will be looking for their fifth victory against three defeats.

Basketball

Tech's freshman basketball team is now in the depths of a 4-game losing streak as result of dropping two tough games last week. The frosh played their best single half of the season last Wednesday against New Hampshire, but a cold second half accounted for the 89-83 defeat.

At the outset of the game the MIT cagers fell behind quickly against the hot-shooting, strong-rebounding UNH team, and trailed by nine at one point. Guard Dave Altmann kept them reasonably close by scoring Tech's first eight points. When Altmann had to come

out because of foul trouble, things looked very bleak.

But then the rest of the team caught fire. Led by the outstanding board work of the front line—Dave Jansson, Dan Green, and Alec Bash—the frosh began to close the gap. The shooting of Green and Jansson as well as the latter's fine floor play enabled Tech to tie and even build up an eight point lead.

However, late in the first half half Jansson suffered a bruise on his hand which affected his shooting for the rest of the game. UNH managed to tie score at half, 48-48.

Throughout the second half the frosh continued to play well; however, they failed to cash in on many scoring opportunities. Jansson led Tech scorers and rebounders with 34 points and 21 rebounds. Green and Altmann had 16 and 14 points respectively.

The frosh cagers also dropped a frustrating game to WPI, 70-67. Once again MIT led during most

of the first half, but cold shooting in the second half resulted in the loss. Jansson had 17 points and 15 rebounds, Altmann scored 13, and Guard Steve Derodeff had 12.

Squash

The freshman squash team was crushed by St. Paul's. The five who played for Tech—Cy Tanti-vit, Jeff Tranen, Terry Hamilton-Smith, Bill Carlson, and Bob Melanson—failed to win a single game from St. Paul's strong squad.

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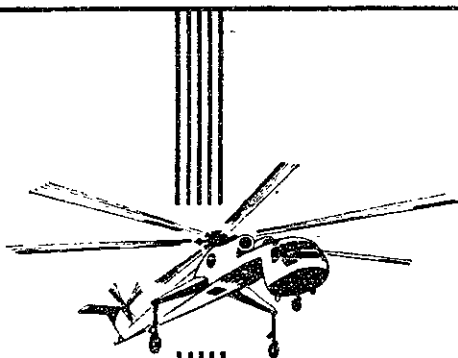
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Wrestlers lose twice, even record

By Dave Chanoux

The MIT wrestlers dropped two decisions last week to even their season's record at 5-5-1. At Amherst Wednesday the team came out on the short end of a 14-13 score. Saturday in the armory, Springfield's brute strength was too much for the Techmen as they fell 24-7.

Amherst jumped off to an early lead Wednesday by winning the first three weight classes. Fierstine won a 6-2 decision over Larry Silverman '67. Thomas followed with a 5-0 win over John Reynolds '67. Amherst's lead grew to 9-0 when Long outpointed Chip Hultgren '66, 3-1.

Whitey Whiteman '66 put MIT on the scorecard with a pin over Soper in the 147 pound class.

MIT's Mogenson and Amherst's Zeiller battled to a draw in the 157 pound match, making the

score 11-7. Merson added three more points to the Amherst total by winning a decision over MIT captain Bob Wells '65.

Down by seven

points with two matches to go, the Tech grapplers needed a win by a pin to salvage victory. Brook Landis, in the 177 pound class, couldn't contain Amherst's Woodruff or a pin but easily outpointed his opponent to make the score 14-10.

Dick Nygren, '65 rode Amherst's Wales through most of the match, but the Amherst wrestler was strong enough to fight off the pin. Nygren won the decision but MIT fell short by a point, losing 14-13.

In the armory Saturday, Springfield proved too strong for the Scarlet and Gray. They didn't wrestle in the 123 pound class, giving MIT 5 forfeit points. Springfield then proceeded to run up the score.

Sadowsky won a 5-3 decision over MIT's Tim Connelly '66. Anderson followed by pinning Chip Hultgren at the 7:15 mark. John Cerra added three more points to the Springfield score with a 7-0 decision over "Whitey" White-

man, and Ellis pinned Mogenson in 5:19 in their 157 pound match. Brook Landis was bothered by a back injury, wrestling against Frank Perini and lasted just 3:46 before being pinned.

Schram loses tough one

The 177 pound match was a tough, crowd-pleaser. Joe Cerra took on MIT's Dave Schram '67. Cerra managed the only move of the match when he escaped at the beginning of the second period. Both wrestlers picked up a point on rule infractions: Schram was penalized for delaying the match; Cerra gave up a point for an illegal body slam. Cerra won a final point for riding time to gain the hard-earned 3-1 decision.

The unlimited match between Nygren and Springfield's Neil Stilphen '66 was scoreless for two periods before Stilphen escaped to open the third. Nygren managed a take-down to take the lead. Stilphen came back with an escape and take down in the last 10 seconds but Nygren escaped. The match ended in a 4-4 draw giving MIT its only wrestling points of the afternoon.

NRSA downs Theta Chi in IM hockey tournament

By Jack Seaquist

Two goals in the first period told the story in the biggest upset of the week as NRSA shocked favorite Theta Chi 3-1 in IM hockey action Sunday night. Theta Chi actually began the scoring when Kalju Laanemets '68 drove one in at 0:30 of the first period. However the tide of the game turned when Walter Renison of NRSA scored at the 1:40 mark. The commuters then took the lead seven minutes later and added an insurance goal with but thirty seconds left in the game. A big factor in the game was the outstanding play of NRSA goalie Al Leslie who held up magnificently under the Theta Chi barrage.

In another tight game Sunday night Lambda Chi Alpha just edged the surprise team of the playoffs, Baker House 1-0. The only goal of the game came at the middle of the second period from the stick of Lambda Chi's Don MacKay.

Grant leads Sigma Chi win

Two goals by Garnet Grant '67 enabled Sigma Chi to eliminate Pi Lambda Phi from the playoffs on Sunday night also. Grant's

goals came in the second and third periods, respectively. Also to be eliminated was Delta Upsilon as they were crunched 14-0 by Phi Gamma Delta. Don Schwanz '66 had four goals and two assists and Paul Trimmer '66 had three goals and one assist to lead the Fiji assault.

Phi Kappa Theta

ousts Grad House

The only other team to be eliminated this past week was the perennially strong Grad House team. Suffering from the loss of their better players to the new MIT Community League, Grad House still managed to finish strong as it took three minutes and twenty-one seconds of overtime for Phi Kappa Theta to knock them out of the race.

In other games last week NRSA bombed Pi Lambda Phi 13-1 on Tuesday but came back to only narrowly squeeze by Zeta Beta Tau 2-1. Theta Chi also had an easy game as they shelled Phi Kappa Theta 9-0. Phil Smith '65 was the big stick with five goals while John Greata contributed three more.

In big games coming up this week the winner of the Phi Gamma Delta-Burton House game will take on the winner of the Sigma Chi-Phi Kappa Theta game on Thursday night. On Sunday NRSA will take on Lambda Chi Alpha. These two teams fought a real tough game during the regular season which Lambda Chi Alpha came out on top by 3-2.

NRSA 13, Pi Lambda Phi 1
Phi Kappa Theta 3, Grad House 2
NRSA 2, Zeta Beta Tau 1
Theta Chi 9, Phi Kappa Theta 0
NRSA 3, Theta Chi 1
Lambda Chi Alpha 1, Baker House 0
Sigma Chi 2, Pi Lambda Phi 0
Phi Gamma Delta 14, Delta Upsilon 0

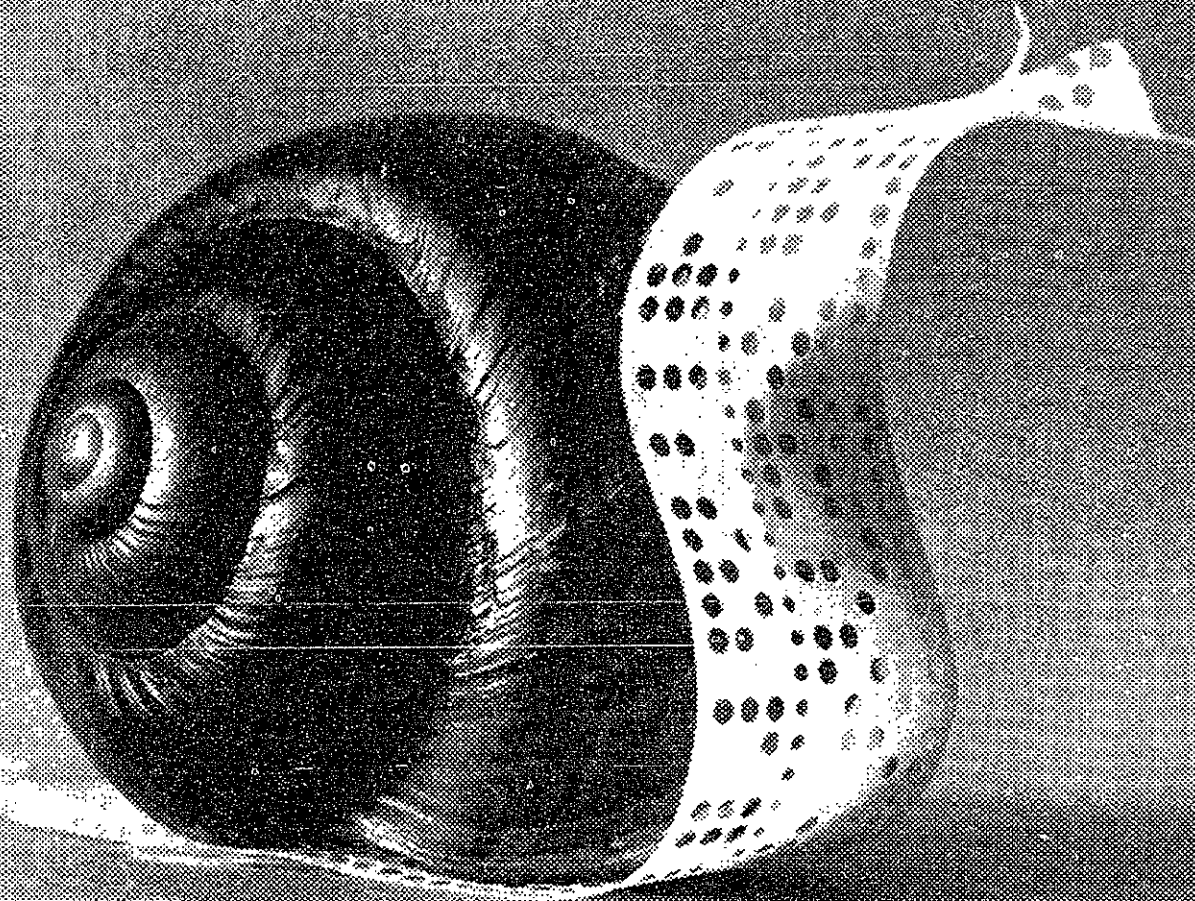
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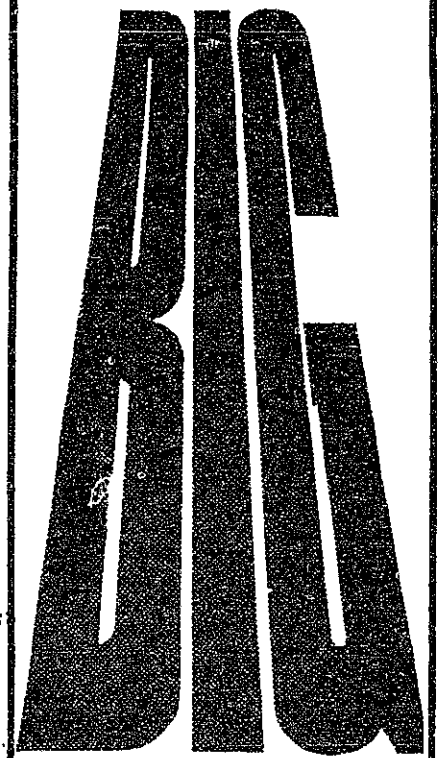
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Ski Team finishes third In Intermediate Easterns

By Bill Reuter
Solid team support enabled MIT to finish third in the EISA Intermediate Division Championships held at Norwich University last weekend. Yale, led by Bunky Carter, took first place over a field of nine schools. Though snow conditions at all times were doubtful (giving the skiers only minimum or no practice), all four events were run as scheduled.

Course Icy and Powdery
On an icy downhill, Carter of Yale finished first with Capodilista Emo '65, Ed Roberts '65, and Karl Kehler '65 of MIT placing 10, 11 and 14 out of 41 contestants. The winning time was 71.4 sec. MIT's best time was 77.3 sec.

The 15 Km. cross country course presented difficult waxing problems because the track passed



Photo by Bill Reuter
Ed Roberts '65 comes out of a gate during the slalom of the EISA Intermediate Championships. He ran eighth.

ed over both powder and ice crust. It was won again by Carter of Yale with a time of 51 min. 52 sec. Counting for the MIT team were Pete Wessel '66 with 55 min. 53 sec., Roberts 58 min. 28 sec., and Brown '65 60 min. 41 sec. who finished 9, 13, and 17 respectively out of 38 contestants.

Slaloms and Jumping
The second day of racing began with a steep two run slalom on crusty snow. Rose of Yale finished first with a combined time of 99.0 sec. MIT came in second in the team scores through the combined efforts of Kehler, 114.2 sec., Roberts, 115.6 sec. and Emo 125.2 sec., placing 6, 8, and 20.

On the Norwich 40 meter jump, Shaw of Colby placed first with Kehler and Brown of MIT coming in 6 and 10.
Final scores were Yale 374.3, Norwich 365.1, MIT 355.3, West Point 351.3, Colby 338.1, Syracuse 311.8, St. Michael's 311.5, Bowdoin 247.8, and Union 238.8.

Smeared by Harvard

Fencing team wins two, loses two

By Alan Cohen
The MIT fencers had a busy schedule this past week, fighting four matches. They were beaten decisively by Harvard 19-8 and narrowly by Brooklyn College 14-13 when captain Bill DeBonte '65 was taken to the hospital shortly before the meet began. However, the week ended with two easy victories on Saturday against Brandeis 16-11 and Norwich 18-9. The 2-2 record for the week brought the fencing team's overall record to a respectable 5-3.

Harvard too strong
The victor in the Harvard match was never in doubt. Harvard won almost everything in sight in the foils and sabre to clinch the win early. They took the sabre 9-0 and the foil 7-2. Led by Captain Bill DeBonte's three victories and Junior Karl Kunz's two wins in epee, the epee team did salvage their part of the match 6-3. At least this loss was slightly closer than the first Harvard match that ended with MIT on the short side of a 21-6 score.

Brooklyn College's win over MIT was unexpected. Bill DeBonte, the team's leading epee man fell and hit his head on a radiator just before the match. He had to be taken to the hospital. This unnerved the team as they lost the first five matches. They recovered to tie the meet with the score at ten all, but could not go on to win, losing 14-13. George Churninoff '67 won two foils matches early in the evening, despite the loss of DeBonte. The epee team smashed their opponents even without their best man, 7-2. Bob Goetze '65 and Tom Seddon '66 had two wins apiece and Karl Kunz '66 had three victories.

Brandeis defeated
Brandeis was no match for the MIT fencers. The opening matches were all sabre. This team lost 3-6, but second string personnel were used and several close calls went the wrong way. The epee team

Cage Scoring Record Set

By W. Thomas Compton
The cagers really showed their stuff against New Hampshire dumping them 101-94 in a real sizzler. They lost to Worcester Polytechnic Institute 82-69 two nights later.

MIT led New Hampshire most of the way by 2 or 3 points, but got behind for a little while in the middle 60's. This game set an MIT combined scoring record, 195, breaking the old record set last year of 192 against Boston State. The New Hampshire game also was the second highest MIT offensive total, the 106 points against Boston State is the record.

In the first half the Engineers lost the ball several times on bad passes, but they straightened this out and it didn't prove to be a problem. New Hampshire hit from the corners early in the half so Jack Mazola '66 shifted to double team the corner man, leaving Frank Yin '65 to defend against both guards. Drinon took up the slack and kept New Hampshire in the game with 15 points. MIT played their 1-2-2 zone all the way, but had a hard time getting around New Hampshire's zone press early in the game.

Alex Wilson '67 picked up his fourth foul early in the second half and Greg Jerrell '67 came in to replace him and made some clutch baskets. Daniels was as hot as ---- for New Hampshire the last ten minutes and sunk 7 in a row from 25 feet out.

Captain Bob Grady '65 was high point man for the Techmen with 29 on 10 of 18 from the field and 9 of 11 from the charity stripe. His 81% was fantastic, but the lowest of the five starters as MIT did some fancy free tossing to come up with 90% overall.

Wilson came in for the last 10 minutes and didn't foul out and wound up with 25 points on 8 for

14 and 9 for 9. Bob Hardt '67 fouled out with 18 points. Mazola had 17 as four men hit double figures.

Mazola scored the last five points on two free throws, a basket and another free throw. He was fouled on his last basket and the scoreboard read 100 points with 0:07 left (for all you James Bond fans).

At WPI, on their narrow court, the Engineers were in contention until 4 minutes were left. Grady sank 2 free throws with 3 seconds left in the half to put MIT ahead 37-36. The offense was hitting pretty good, as was WPI's. WPI hit great from the outside, but the lead changed hands several times and the biggest spread was 3 points.

Then in the second half, MIT went cold and WPI kept up the pace. And Wilson got in foul trouble early for the second game in a row. WPI pulled up to a 12 point lead and the Engineers stormed right back to cut it to 62-61 with 4 minutes to go. MIT had possession and made 3 bad passes in a row and WPI was on top by 6 again. Then they had to press and WPI tore the press to shreds and spread the margin.

Notice: all varsity baseball candidates will meet in the Conference room of the DuPont Athletic Center Monday, February 22 at 4:30 p.m.

	fga	fg	fta	ft	reb	of	pts
MIT	14	8	9	9	17	4	25
Wilson	11	6	8	8	10	5	18
Hardt	12	6	6	5	4	4	17
Mazola	18	10	11	9	7	1	29
Grady	9	2	2	2	1	1	6
Yin	6	3	1	0	8	1	6
Jerrell	0	0	0	0	0	0	0
Flick	0	0	0	0	0	0	0
Total	70	34	37	33	47	13	101
New Hampshire	8	3	3	1	8	4	7
Ball	7	2	5	2	6	3	6
Bongiovanni	3	1	0	0	0	0	2
Clark	29	14	3	2	14	4	20
Danniels	23	7	6	4	5	4	18
Horne	11	7	2	1	1	3	15
Drinon	11	2	0	0	3	1	4
Larkin	14	6	0	0	6	3	12
Zyla	1	0	0	0	1	0	0
Moeller	1	0	0	0	1	0	0
Total	107	42	19	10	44	23	94



Photo by Steve Teicher
Alex Wilson goes up for two of MIT's 101 points against UNH. Jack Mazola (12) and Bob Hardt (16) look on.

	8	3	1	0	3	4	6
MIT	9	5	6	4	13	3	14
Wilson	7	3	5	3	3	3	14
Mazola	19	6	11	9	4	3	21
Grady	16	7	1	1	4	0	15
Yin	3	1	1	0	2	0	4
Jerrell	1	0	0	0	0	0	0
Talus	0	0	0	0	0	0	0
Flick	0	0	0	0	0	0	0
Larsen	0	0	0	0	0	0	0
Kinsella	1	0	0	0	0	0	0
Total	64	25	29	19	31	14	69
WPI	24	13	4	3	8	2	29
LaRue	5	1	1	1	4	2	3
Sullivan	10	2	2	1	14	3	5
Nims	13	5	4	3	3	4	13
Lutz	12	8	2	1	4	4	17
Penocello	10	3	1	1	7	4	7
Rogers	6	3	2	2	1	2	8
Bobseline	0	0	0	0	0	0	0
Total	79	35	16	12	41	21	82

Trackmen place fifth in Greater Boston meet

MIT's indoor track team finished fifth in the Greater Boston Collegiate Track and Field Championships held last Friday and Saturday at Harvard. Harvard was an easy first place winner as they rolled to their second straight championship.

The final score gave Harvard 93 points, Northeastern 45, Boston College 36, Boston University 25, and MIT 9. Sixth place Tufts was scoreless.

Tech's only point winners were Ken Morash '65, Summer Brown '66, Al Tervalon '65, and the mile relay team.

Morash tops record
Even though Morash's effort of 13' in the pole vault bettered the previous meet record of 12' 10", he was forced to take a third as Harvard's George Winters smashed the old record with a 13' 5" jump, while Jeff Blatt of BU cleared 13' 1".

Brown took second in the 1000 yd. run behind Northeastern's Jim O'Shaughnessy who finished with a time of 2:17.4. Tervalon took fifth place in the 40 yd. low hurdles.

MIT's mile relay team of Bob Dunlap '67, Larry Schwoeri '66, Joel Rogers '65, and John Ryder '67 climaxed the Techmen's scoring with a fourth place effort.

Swimmers top Trinity, Exhibit good team depth

By Neal Gilman
The varsity mermen increased its won-lost total to 5 wins and 4 losses in its victory over Trinity on Saturday by a score of 56-35. It was one of the few meets that no records were broken or tied. Although Trinity won 5 events to MIT's 6, MIT increased their lead by taking more second and third places.

Medley Relay to Tech
Captain Cash Peacock '65, Bill Brody '65, and Frank Mechura '65, after winning the 400 Medley Relay along with John Groves '66, preceded to capture their own consecutive individual events. Peacock, Brody and Mechura, the lone MIT backstroke, placed first in the 200 yd. Breaststroke, 200 yd. Individual Medley, and 200 yd. Backstroke in times 2:36.4, 2:19.6, and 2:20.8, respectively.

Dick St. Peters '65 captured his 200 yd. Free in a slow 2:05 and later placed second in the 100 Free ahead of Groves. Eric Jensen '65 gathered a first and second in the 500 yd. Free, 5:59.2, and 200 yd. Individual Medley while Mike Crane '67 and Jay Goodman '66 placed second in the 100 yd. and 500 yd. Free, respectively. In the 200 yd. Butterfly, Dick Cockerill '66 placed second, while swimming manager George Jones '67 placed third. Howard Gillis '67, the only MIT diver, captured a second.

Trinity Star
The lone star of the meet was Trinity merman, Tyler, who won two events and anchored the winning 400 yd. Freestyle Relay. He captured the 50 yd. and 100 yd. Freestyle in extremely fast times of 22.9 and 50.4, and later in the relay, gained 4 body lengths over the MIT anchor man, as he was clocked in a surprisingly fast 48.9 Hundred.

MIT's lone meet this week is with Wesleyan at the Alumni pool on Wednesday.

Intramural Results

- Volleyball**
Club Medit. 15-6, 15-9 over Burton Connor 2A
Beta Theta Phi 15-8, 15-4 over Phi Delta Theta B
Senior House 15-5, 15-9 over Theta Chi
Sigma Phi Epsilon A 15-12, 15-2 over Phi Kappa Theta
Burton 3 15-8, 12-15, 15-11 over Burton 2A
Alpha Epsilon Pi 15-10, 16-14 over Meteorology Club
Burton Connor 2B 15-11, 11-15, 15-11 over Burton 2C
Sigma Chi 15-4, 15-11 over NRSA
Baker C 15-0, 15-2 over Theta Delta Chi B
Hockey
NRSA 13, Pi Lambda Phi 1
Phi Kappa Theta 3, Grad House 2
NRSA 2, Zeta Beta Tau 1
Theta Chi 9, Phi Kappa Theta 0
NRSA 3, Theta Chi 1
Lambda Chi Alpha 1,
Baker House 0
Sigma Chi 2, Pi Lambda Phi 0
Phi Gamma Delta 14,
Delta Upsilon 0

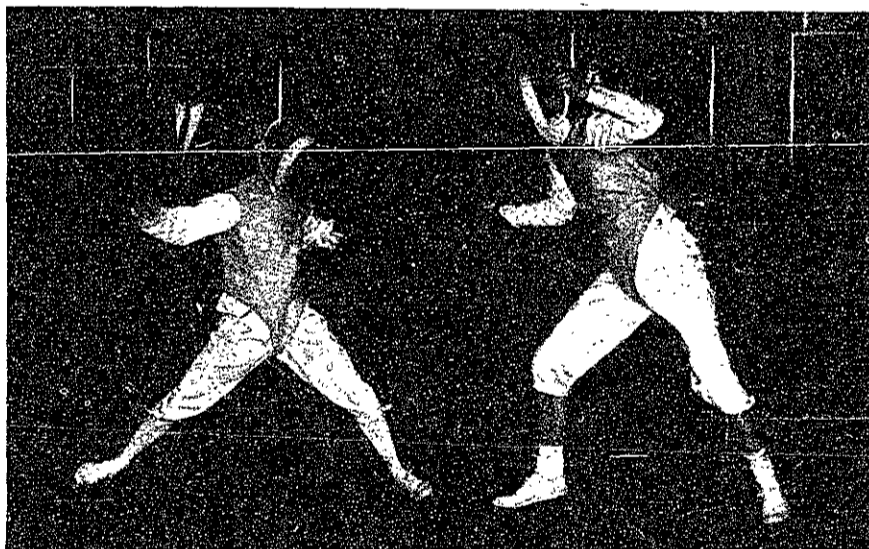


Photo by James Robertson

Al Stottlemyer '65 parries a Brooklyn College opponent at the Dupont Athletic Center last Friday night. Stottlemyer was narrowly defeated in this particular match, but redeemed himself with victories later in the week. MIT was upset in an unexpectedly close match 14-13.

still without Bill DeBonte won 5-4 the same fate. Substitutes were given a chance to practice. The two wins. The foils team then finished the meet by winning eight out of nine matches. Al Stottlemyer '65 won three and George Churninoff '67 won two without a defeat. The final score was 16-11. **Norwich trounced**
Norwich invaded immediately after Brandeis left. They shared

How They Did

- Skiing**
MIT 3rd in EISA Intermediate Championships
Fencing
Brooklyn 14 — MIT (V) 13
Harvard 19 — MIT (V) 8
MIT (V) 16 — Brandeis 11
Rifle
MIT 3rd of 45 in Coast Guard meet
Hockey
Bowdoin 14 — MIT (V) 2
Swimming
MIT (V) 56 — Trinity 35
Wrestling
Amherst 14 — MIT (V) 13
Springfield 24 — MIT (V) 7
MIT (F) 23 — Amherst 15
Springfield 23 — MIT (F) 10
Squash
St. Paul's 5 — MIT (F) 0
Basketball
MIT (V) 101 — New Hampshire 94
WPI 82 — MIT (V) 69
New Hampshire 89 — MIT (F) 83
WPI 70 — MIT (F) 67
Track
MIT 5th in Greater Boston meet

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