



Vol. 87, No. 50 Cambridge, Massachusetts, December 5, 1967 5c

Glove fight elimination proposed by ad hoc Field Day committee

By Jack Katz
Elimination of the glove fight was among the main changes advocated by an ad hoc committee evaluating Field Day. The committee, headed by John Kotter '68, articulated what they thought were the objectives of Field Day and drew up proposals for revisions of Field Day to accomplish these objectives.

These proposals were brought before the Incomm Executive Committee Sunday night and will be presented at the Incomm meeting Thursday at 7:30 p.m.

Problems with Field Day
The ad hoc committee cited four major problems which they felt needed to be alleviated.

Too few people were spending too much time on preparations. Several of these few students were falling far behind in their studies during this preparation. Field Day is supposed to involve total class participation.

Students in the glove fight were susceptible to many injuries.

In a sense Field Day set freshman class government off in the wrong direction. To many students, Field Day antics are equated with the purpose of Freshman Council. Certain of the Field Day objectives were not being achieved. The

Winter Weekend meets with favor in early stages

The new Winter Weekend, with its expanded scope and ambitions, has met with a favorable reception since the first announcement that it would replace the former IFC Weekend. Word from the officers of the Weekend Committee has been encouraging.

"Reaction to the new format has been every favorable," said Jerry Grochow '68 of Dormcon. "We are anxious to make the weekend a success and are trying to encourage dormitory participation."

The size and novelty of the new function are its greatest assets according to Tom Neal '68 IFC Chairman. "The outlay for entertainment has been increased tremendously. The fact that it is a totally new weekend allows for a great deal of flexibility."

While it is still too early to divulge any specifics, Carl Weiss '68, Winter Weekend Chairman stated: "Planning and entertainment have gone along pretty well so far. We are most impressed with our progress."

committee thought the main objectives were: Field Day should be fun; it should be a good spectator event for JP entertainment; it should build class spirit.

Groups in charge
According to these proposals for a revised Field Day, Beaver Key will run the events with Frosh Council and Q-Club representing the freshman and sophomore classes. All preliminary arrangements would be run by Beaver Key and JP committee. This would both relieve the competing classes from extensive preparations and help in the promotional effort to make Field Day a part of Junior Prom weekend.

Mass participation events
Proposals ask that competition take the form of four mass participation events separated by three coed events for comic relief.

One event would be a tug-of-war. A 10-foot ball would be the equipment in superball soccer game. In the third event, competing teams would try to fill water containers without aid of equipment, while opponents tried to stop them. The last event would be a capture the flag contest.

Extra details
Additional details were suggested. Each team should wear a different color. Music should be piped over loudspeakers. There should be a Beaver Key announcer and many Beaver Key officials.

It was emphasized by the committee that the proposals were only of a general nature and that Beaver Key should fill in the details.

Building 7 steps repaired in drive for perfection

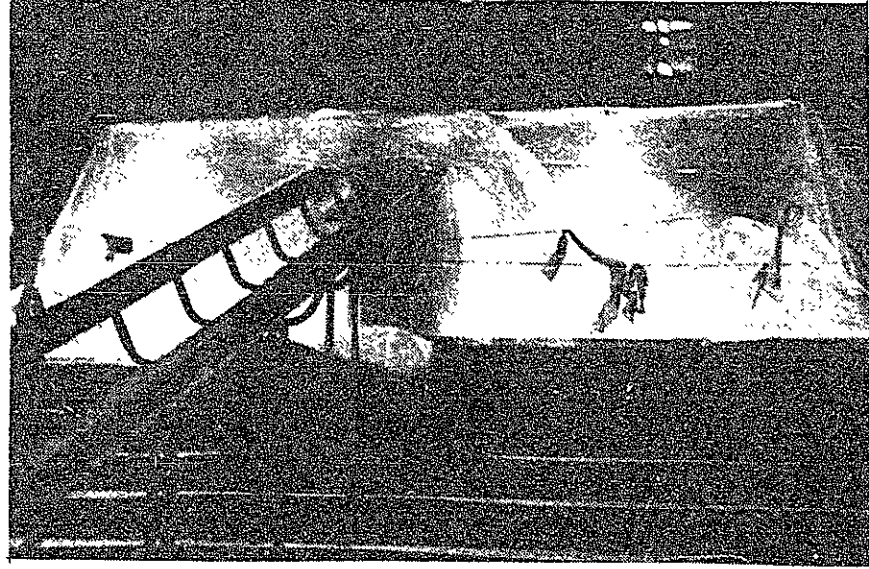


Photo by George Flynn
The steps at the 77 Mass. Ave. entrance are being repaired, their well worn grooves erased in the interests of geometrical perfection. For the full story of the change see page 3.

Grad students oppose war in sparse GSC balloting

By Mike Mihalka
In a poll reviewing the Graduate Student Council's referendum of last May which damned the war in Vietnam as "unjust," a qualified affirmation of the GSC's stand was taken. Sixty percent of the graduate students responding oppose the Vietnam War.

Sent out to all faculty and graduate students in the October issue of the Catalyst, the GSC newsletter, the questionnaire was returned by 25% of the graduate student population and by 15% of the faculty. Because of this limited sampling of the graduate student population, the results of this poll might be interpreted as biased.

Domestic problems major
Despite the strong language in the statement of the question, only 17% endorsed an immediate withdrawal of United States troops. Reflecting the attitude of most Americans, most of the war opposition (76%) reasoned that "the high cost of the war 'De-escalation,' recognition of the National Liberation Front (47%) and cessation of the bombing of Vietnam (45%) were listed as the most likely alternatives.

Prestige considered important
Of those in "support" of the war, 73% thought that "to relinquish our commitment at this time would endanger our international prestige and influence." The removal of restrictions on the bombing of North Vietnam was the most popular of the "escalation" alternatives.

Expressing a continuing disgust with the war, 40% of the graduate students have become more "dovish" in the past year. Half expressed no change in their opinion, while only 9% find themselves more inclined to the "hawk" philosophy.

Faculty opposition
The breakdown of the poll into faculty, foreign

graduate students, and US graduate students brought to light an interesting and expected fact. The faculty and the foreign grad students exhibited a greater "opposition" to the war (67% and 75%, respectively) than the US graduate students (58%). The disparity was magnified in response to the question asking whether the United States should have become involved in Vietnam. Although 49% of American students supported the initial involvement, only 36% of the faculty and 24% of the foreign graduate students believed the initial commitment was sound.

Questions on poll
In questions on the poll itself, only 69% of the graduate students knew that the GSC had passed an anti-war resolution last May, while this percentage decreased to 51% of the faculty. Unfortunately, the number of first year graduate students was not taken into account. When asked, "What is your opinion on this resolution?" (a question on which the faculty was asked not to answer) 49% responded negatively, 46% favorably, and the rest were undecided. It must be noted that the resolution had passed the council with a 13-10 vote. However, 55% felt that national political issues came under the province of the GSC.

Military policy ineffective
An overwhelming majority of the faculty (94%) and the graduate students (83%) felt that Vietnam was not primarily a military problem, again reflecting the feelings of the educated public. The feeling also ran extremely negative as to whether or not our present military policy has been effective (faculty-80%; graduate students-70%).

The questions in the poll tended to be disconnected causing perhaps some confusion in the minds of the graduate students. Because of this drawback analysis of the poll brings no significant trends to light. As a final note, only 3% believed a military victory to be imminent.

Housed 'Rad Lab'

War spawned Bldg. 20

(Ed. note: This is the first of two articles on Building 20).

By Robert Dennis
Within a few months, Building 20 will become the last of the major wooden buildings at MIT. With the large amount of new construction currently underway on the campus, it is logical to wonder why this comparatively unattractive, decrepit, and inefficient multi-winged structure along Vassar Street is not being either renovated or replaced.

The Planning Office does have intentions, both immediate and long-term, for the replacement of Building 20. As we shall see, however, these plans depend on several vital conditions.

History of Bldg. 20
Before we examine in depth the factors that will determine its future, let us first explore the unique and fascinating history of Building 20. For although it may be last in physical attractiveness, Building 20 ranks first in the proud memories and nostalgia it has left to many of the members

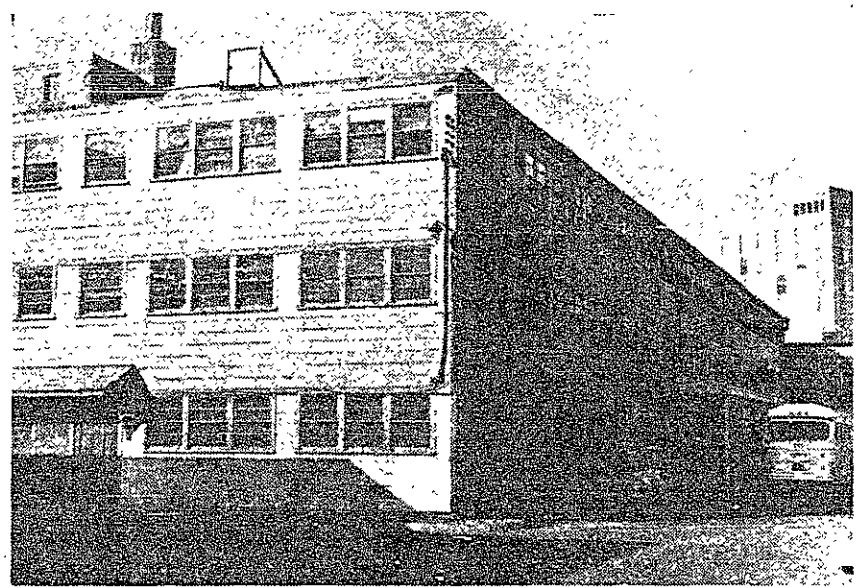


Photo by George Flynn
Building 20, one of MIT's last wooden buildings, stands in marked contrast to the modern facade of nearby Technology Square.

of the MIT staff who were here during World War II.

In the years before 1940, the bulk of the work on microwave research and modern radar in the United States was being performed at the Bell Telephone Laboratories, Stanford, and MIT. One of the basic goals was the development of a new type of generator which would render radar operations accurate over a long range. With the news of the British achievement of the "cavity magnetron" in the fall of 1940, the US recognized the need to centralize its efforts in this vital field.

Efforts of Compton
Several representatives of the MIT Electrical Engineering Department traveled to Washington and, along with President Karl T. Compton, were instrumental in procuring a government contract, signed October 17, 1940, which authorized the construction and operation of what was to become known as the MIT Radiation Laboratory.

The name "Radiation Laboratory" was chosen as a cloak to conceal the true activities. It was meant to convey the impression that the laboratory's work was in the field of nuclear physics. Under this cloak were to emerge more than 150 different radar systems.

Although it would eventually become the largest civilian research and development activity in the nation with the exception of the atomic bomb activity, the Radiation Laboratory began with an initial budget of \$455,000 for an intended staff of 50 people. By the end of its operations, the Laboratory employed more than 1200 scientists drawn from all over the country as well as an additional staff of 2700. During its peak year (July 1944-July 1945), it had a budget of 80 times the original grant.

The Director of the Laboratory was Dr. Lee A. DuBridge, then Dean of Science and Head of the Physics Department at the University of Rochester and now the President of CalTech. On the Steering Committee were such notable scientists as I.I. Rabi of Columbia, L. W. Alvarez of the University of California, J. R. Zacharias of Hunter (and now an eminent member of the MIT faculty), and John G. Trump of MIT.

A few of the other members of the Radiation Laboratory staff who are prominent today were Julius A. Stratton, Jerome Wiesner, Edward M. Purcell (Harvard physicist), Joseph J. Snyder (now Vice-President and Treasurer of

(Please turn to page 5)

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Many times I hastened up those steps; my feet were guided by the familiar grooves worn there by countless others before me. That will be no more. For through the decree of some bureaucratic administrator — mindless of MIT and its traditions — the decision has been made to repair those concrete steps.

Those concrete steps (you know, by now, that these are the steps which ascend to Building 7 at 77 Massachusetts Avenue) have been partially renovated. Although the administration has not indicated the cause for renovation, one can readily guess at the rationale which might be presented — esthetics.

You and I realize, of course, that this return to a more geometrical, more perfect, squared-off face for these steps is consistent with the Institute's assumption that beauty is equivalent to the simplicity of

geometrical design. Evidence of this fact lurks about us on all sides — the symmetry in the main complex of buildings, the monotonous repetition of the patterns of the windows in the Whitaker Building, and the sharp simplicity found in

ministrators) would try to correct their mistake. Undoubtedly, they would return the work crew to the steps with instructions to scrape the new concrete from the step already renovated.

three years ago, they struck me as unique. I had previously learned that MIT can be, at times, cold and set apart from the student, but this trip on those stairs gave me a feeling of belonging and confidence. Since I had formerly been

of my foot in mind. One might suppose that the grooves were designed by some omnipotent engineer.

My latest flight up those worn steps occurred last week. As I approached the Institute, I noticed some weird construction just before the massive columns which guard the entrance to Building 7. Once I drew nearer, I immediately perceived that the steps were being repaired. When I reached the foot of the steps, my eyes passed slowly upwards. They studied each worn step carefully, until I finally gazed at the cellophane-like material enshrouding the construction at the top.

I turned my eyes away and hastened up the steps. I proceeded quickly and confidently. I reached the construction. Slowly, I turned and walked around the construction into Building 7.

The passing of a tradition

By Mark Bolotin

the flock of concrete structures which have sprung up on campus in recent years.

Perhaps I might convince these administrators that they have erred, that they should not have altered these steps. Needless to say, they (like any good ad-

But my goal is not to turn back the clock! These steps have already been desecrated; nothing can change that. I shall be satisfied to recount on paper some memories of those steps.

Even when I first climbed those steps as a hesitant freshman, over

used to traditional, squared-off steps, I might have expected to feel awkward or unusual as I climbed. On the contrary, I felt exceedingly comfortable; in fact, it seemed natural to climb such steps. It was as if all who had worn down those steps had done so with the exact size and shape

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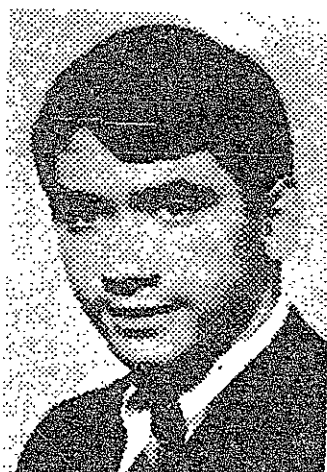
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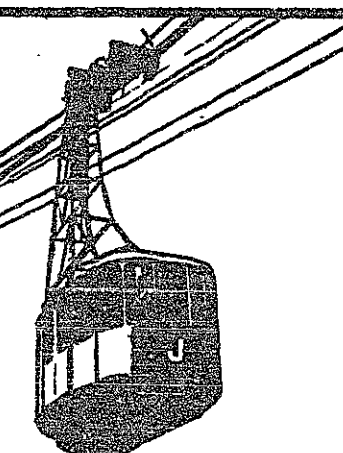
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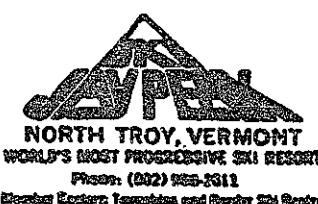
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Field Day reorganized

Field Day is about to undergo its first major re-organization since Beaver Key first received charge of the events from the Athletic Association in 1957. Inscomm's ad hoc committee has formulated some basic proposals to be considered in the near future.

Field Day itself has exhibited a remarkable capacity for organic change. It has moved from general rioting in downtown Boston to inter-class athletic events, to various tests of skill, endurance, and participation. Nevertheless, it has its vocal critics who disdain the great amount of time spent by the leaders, and some who object to the unnecessary violence of events like the glove fight.

Regardless of the changes in form, Field Day remains attached to an era characterized by Frosh beanies, and general belittling of the naive and inexperienced freshmen. Today there remain only two basic reasons for Field Day. First, it builds class unity and spirit. Secondly, it is a good deal of fun for the participants, and entertaining to the spectators.

Polls of freshmen have indicated that, though less than a majority want Field Day continued in the same way, a great percentage do want some sort of organized class activity. Just what the final outcome of Field Day will be is still in doubt, though it appears that it will consist of about four events involving everyone from the respective classes. The Tug-of-War will probably be retained, the glove fight will probably be eliminated in favor of a capture-the-flag type of game.

That all the events which require great preparation on the part of a few members and those which utilize only a few number be eliminated is desirable. In doing so, however, there exists a basic Field Day dilemma. In order to involve the hundreds of people on each side the events must, of necessity, be simple. They cannot involve too much preparation or exercise of practised proficiency. Furthermore, if it is desirable to avoid a great amount of bodily contact, we are confronted with the possibility of gathering perhaps 1200 or more of the most intelligent young men in the nation to indulge in children's games.

The glove fight was a unique event. It was not the kind of activity many

could have ever indulged in before. The Field Day committee would be hard-pressed to find substitutes for the glove fight and the other events using as guidelines maximum participation and minimum violent contact.

If the only schedule of events that can be presented are nothing more than warmed-over party games, then perhaps Field Day should go the way of the raccoon coat and goldfish swallowing. But, neither THE TECH nor Inscomm ought to advocate abolishing Field Day; it is primarily a freshman-sophomore day, and if, in a general referendum, the members of the classes vote for continuing the tradition, then that should decide the issue. We would like to see such a referendum as the final arbiter of whatever Inscomm decided Field Day will be.



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Front page photo of 77 Mass. Ave. by Steve Gretter.

footnotes*

by Michael Warren

117. Although the Institute has undergone many changes in the years since 1960, perhaps none is as pronounced as the change in the appearance of the campus, primarily due to new buildings. In fact, the book value of MIT's physical plant passed the million mark during the last year. This is in sharp contrast to the book value of seven years ago, and represents a startling increase of \$81,430,000 since that time.

118. The Committee on Academic Performance has made a decision on reading period for second term of this academic year. However, students will have to wait a while for the outcome. The CAP members want to present their report to the faculty first, and the next faculty meeting is scheduled for the third week of this month.

119. As a part of the campus beautification plan, Phase II of the Amherst Alley landscape program will begin soon. Sixteen sycamore trees, taken from the site of the new MacGregor Dorm will be planted between Baker and Burton

Houses. Although the appearance of Amherst Alley will no doubt be improved, there are people who lament the loss of another outdoor wind tunnel. MIT's most famous natural wind tunnel was ceremoniously destroyed almost two years ago by another campus beautification project, Calder's deflection vanes.

120. Students taking 9.60 were slightly surprised last week when they walked in to take their midterm exam. A considerable number were bleary-eyed, having stayed up most of the night reviewing the 1000 odd pages of material the test was to have covered. The professor entered the room, summarily cancelled the exam, and quipped: "You can never trust a psychologist."

He then proceeded to pass out a list of three essay type questions. The students were told to review the questions and be prepared to write upon any one at a subsequent class. That instead, would constitute their midterm.

College World

By Ed Chalfie

The residents of the third floor of Wilson Hall at Oregon State University have earned the distinction of holding the intercollegiate "showerton" record. In a fine recent effort, those exceptionally clean students broke the record held by the Sheldon Hall residents of the University of Oregon, which was 205 hours. The new record set by the OSU students is 336 hours: two solid weeks. Reminds me of the time we played a 72-hour basketball game. But I thought college students were too mature for that sort of thing.

The Student-Faculty Council at Wayne State University, in Detroit, has instructed its student personnel and services committee to study the possibility of having the campus health service disseminate information on birth control and dole out contraceptive devices. One proposal heard by the Council was to explore the possibility of installing prophylactic machines in one of the school's dormitories. Wayne State students claim that such a move would "take the worry out of being close."

Employees seek raise

Student food service employees at the University of Oregon have expressed their recent disappointment at the new pay scale proposed by the school's food director.

At an employees' meeting the students learned that their demand for pay increase from \$1.25 per hour to \$1.40 would be effective for only those students who have worked six months or more. "We find this unacceptable," a spokesman said. "A general raise is needed for everyone."

I certainly hope they get their money. I hate to think of what they could do to the food if they don't.

Student beggars

Ohio State University, in Columbus, Ohio, was hit last month by a two-man invasion. Jim and Phil, two 19-year old student beggars, arrived at the school in a '57 Chevy and almost immediately started asking passers-by for money. The pair said they had begun their second year of school at Memphis State University this fall but had left "after a couple of days."

"It wasn't grades," one said. "We just wanted to cut out and go some place."

They headed first for Phil's home in New York, then left for San Francisco, picking up rides and money along the way. After California, the pair begged their way East again via college campuses. "Wisconsin was the greatest," Jim said. "There you could just stand around with your hand out and get rich."

The Ivory Tower

Labor and devaluation

By Steve Carhart

In the aftermath of Britain's devaluation of the pound, it has become apparent that a great portion of the British public simply does not understand the position of their country today. It is ironic that many of those people who are most upset about devaluation are the very ones who, perhaps unwittingly, have put Britain where she is now. It is organized labor and its leaders who are most vociferous in their denunciations of Prime Minister Wilson; likewise, as we shall see, it is British labor which is responsible for the trade deficit which drained Britain's reserves. The unions clearly see that devaluation and deflation will hurt their standard of living; they fail to see the consequences of national bankruptcy if Britain fails to devalue.

Decline of industry

The trade deficit is a symptom of degeneration of British industry which has taken place since World War II. British export prices have risen 20% in the last decade; in contrast, German prices have risen only 13% while Italian prices have actually fallen.

To state it simply, British industry is no longer competitive on the world market.

There are various causes for this degeneration. Industry can be blamed for not making full use of new technology and government can be blamed for not encouraging industry sufficiently in this respect. However, the major culprit here is British labor. Not only have labor unions in Britain resisted the introduction of new technology more strongly than those in other countries; at the same time, they have demanded and received wage increases far in excess of productivity increases. This has raised labor costs of British goods far more than has been the case in other nations and in effect priced Britain out of the market. The problem was compounded when the higher wages were spent on imported goods. This outflow of pounds was not offset by British exports, with the result that British reserves were drained.

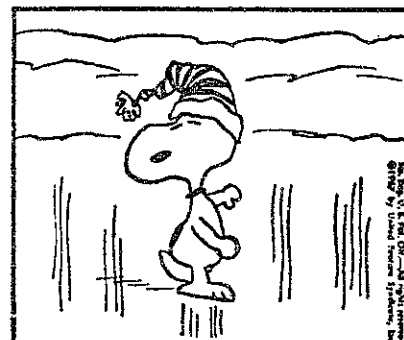
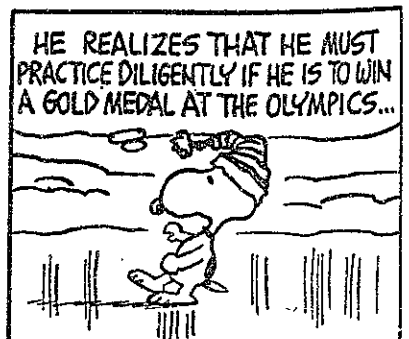
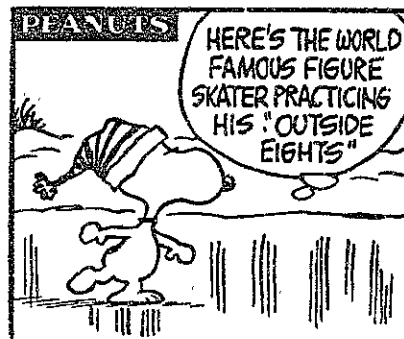
An example

In the summer of 1966, this reporter had the good fortune to visit the main plant of a well known British automobile manu-

facturer. While the finished product was of high quality, the number of workers who stood idly around all afternoon was appalling. One visit does not a survey make, but statistics suggest that this factory's "efficiency" was not a typical case. Hourly wages rose 40% in Britain in the period 1960-1966, while the productivity of labor increased only 18%, thus sending labor cost per unit of production skyrocketing. German industry exhibited a productivity hike of 29% for the same period, while Italy boasts of a 40% jump.

Our outlook

Devaluation will help bring money into Britain by lowering the price of her exports, but in the long pull devaluation will only buy time in which Britain can bring her industry up to par. We in the US would do well to examine Britain's plight; a trade deficit and large wage settlements are becoming part of our economic scene. While we are far from the state in which Britain finds herself, the devaluation of sterling illustrates what these trends can cause if they are not controlled.



Radiation Laboratory expands

(Continued from Page 1)
MIT), and Ralph A. Sayers (Assistant Director of the Research Laboratory of Electronics).
Rapid expansion
The Radiation Laboratory began operations with 15 acres of floor space in Cambridge. Soon large sub-laboratories were begun at the East Boston and Bedford

Airports. Smaller branches were located in Quonset, R.I., New London, Conn., Orlando, Fla., and in Panama. The Laboratory maintained a branch in England and smaller outlets in France and Australia.
By July of 1941, the staff at MIT had increased to 225. Original space had been in Buildings 3 and 4 and on the roof of Building 6. In August, construction was begun on a permanent building which is now 24. Before it was ready, however, the rapid growth of the Laboratory compelled it to purchase 110,000 sq. ft. of the Hood Milk Company building two blocks away. Soon another temporary building (which became 22) near Building 24 had to be authorized.

In four years, the Laboratory had made all previous radar obsolete. It had pushed microwave radio frequencies up to 30,000 megacycles, opening 200 times as many radio communications channels as before.

Responsible for LORAN
The Laboratory was solely responsible for the system now known as LORAN (Long Range Navigation). The original name was LRN, for Loomis Radio Navigation, in honor of Associate Director of the Laboratory, F. W. Loomis, who had been Head of the Physics Department at the University of Illinois.

A proud conclusion
Thus, Building 20 was built a part of one of the most noteworthy and significant projects in the history not only of MIT but also of the nation. Upon completion of its operations in 1946, Director DuBridge spoke for the entire staff as he asserted that "Rad Lab" will always be alive as one of our most vivid lifetime experiences." President Compton concluded that, in its five-year history, the Radiation Laboratory "played one of the most decisive roles in our entire war effort."

Historic achievements
Building 20 became part of a

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• The Grateful Dead will bring more of the acid-rock sound to Boston. Featuring the noted blues guitarist Jerry Garcia and organist-folk hero Pigpen, they will play from 9 pm until midnight this Friday and Saturday at the Psychedelic Supermarket, 590 Commonwealth Ave. They have had a single in "The Golden Road (To Unlimited Devotion)" and a successful album.

• Robert Creeley, author of "The Island" and the stories in "The Goldiggers" will read his poetry

tomorrow evening in the mezzanine lounge of the student center.

• A symposium, "The Russian Revolution: An Appraisal," will be held tomorrow in Room 10-250 from 4-6 pm. Participants will include several MIT professors of history and political science.

• The Choral Society is presenting an all Bach Christmas program Saturday in Kresge. Cantatas 63 and 191 and the Magnificat in D will be performed.

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music . . .

Brubeck, Burton give jazz contrasts

By Randy Hawthorne

It was a weekend for jazz as the ever-popular Dave Brubeck played in concert at the Back Bay Theatre while Club 47 presented the young avant-garde Gary Burton Quartet.

Although the Dave Brubeck Quartet is in the process of splitting up it is obvious that they will part still recognized as one of the top jazz groups ever. Interestingly enough, their material was entirely of recent vintage, rather than the reminiscences of past favorites which seems to dominate a group's final performances. This can be traced to the possibility of Columbia Records using the concert as a new, and perhaps final, Brubeck release. The concert was characterized by the extreme professionalism of the entire group and the amiable appearance they present on stage. Individually, drummer Joe Morello continually impressed the audience with his top cymbal work and then went all out with his seven minute drum solo. Brubeck himself showed that although his silver hair indicates that he may be aging, his music certainly isn't. He often played brief out-of-rhythm passages and off tonal chords, creating a new

style which has progressed radically from the early Brubeck-Desmond days. It was also once again an example of the finest use of counterpoint, a technique mastered by the group over the years. Taken as a whole it was an impressive performance of contemporary jazz played at its best.

In a different light was the avant-garde jazz lead by young vibist Gary Burton, guitarist Larry Coryell, bassist Steve Swallow, and drummer Bob Moses. Their sound is unique: often loud and pulsating while at other times gentle and introspective. That Burton has mastered the vibes is unquestionable as he often showed. Also, Coryell's jazz technique is impeccable. There are times, however, when his journeys into rock seem out of context. The performance was interesting, to say the least, lacking only consistency owing largely to their relative youth in comparison with other major jazz groups. The conclusion of their act sets the mood of it all. While a previously taped segment plays in the background, the four disassemble their instruments, form a pyramid of instruments on stage and, as the music stops, bow and walk off. Certainly impressive and unique.

music . . .

Airplane takes off, keeps on flying

By Steve Grant

"Fly Jefferson Airplane — get you there on time" — so sang the Jefferson Airplane about themselves, the first group of the current acid-rock genre. Last Saturday night the Airplane really flew — to unprecedented heights — in two sets at Back Bay Theatre.

Well-known songs

Adhering to their well-known songs in the first set, the group rocked on their hit singles "Somebody to Love," "White Rabbit;" and their recent "Ballad of You and Me and Poonie," a definitive statement by lead guitarist Jorma

Ludwik Kaukonen on what can be done with feedback. This ten-minute rendition was rather different from their single recording of the song, and much more experimental and improvised.

Although vocalist Grace Slick has gained considerable acclaim for her writing and singing, her performance was disappointing. On both performances of her "White Rabbit" she seemed boxed with the song, as though she felt obliged to sing it only because it was a hit single. Marty Balin, the group's leader, also seemed forced on "Today" in both sets.

The outstanding performer was easily guitarist Kaukonen. In past performances he has had a smooth, powerful style of soloing which he enlarged upon Saturday night with his new feedback tech-

niques. The highlights of the evening were easily "Rock Me, Baby," a slow blues piece which Kaukonen also sang, and the two renditions of "Ballad of You and Me and Poonie," which is probably the first rock song with a solo on electric bass. Jack Casady handled this superbly. These two performers form the basis for the most exciting instrumental sound in rock today.

Baffled audience

Except for the few mind freaks, the audience seemed a bit baffled by the lack of familiar songs, especially during the second set. This reaction was unfortunate. The Airplane, as a growing group of musicians, have deserted their popular straight style for something they consider better. Hopefully they will continue to progress musically, and the results should remain some of the most worthwhile in pop music.

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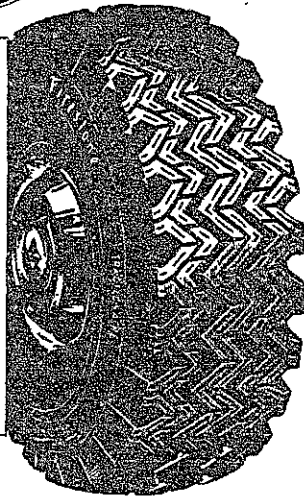
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Swimmers edged by Bowdoin

By Scott Ramos

Last weekend opened the winter sports schedule, and several of the squads gave glimpses of what could be promising seasons, although first-time performances were not that impressive.

The swimming team provided the best showing as they were edged by the Bowdoin squad. Leading through most of the meet, the MIT squad was passed only in the final event, the 400 yard freestyle relay. This put the visitors ahead 48-45, in a hard-fought contest. Tech's outstanding performer was Ray Ergas, who put in one of the best times of the day, 23.7 in the 50 yard freestyle event.

Near the end of the first half,

Wesleyan pulled far ahead in what had appeared to be a close basketball game, and went on to beat the engineers, 61-46.

With 2½ minutes remaining in the opening half, the Wesleyan held only a 21-20 margin, but shortly afterwards they found the range and ran off ten straight points while keeping Tech scoreless. They held on to their lead and went on to win the game.

Tech's tallest players, are the centers, John Bell, 6' 4" and Ken Wayne, 6' 3". The rest of the squad is accordingly smaller, providing an unusual lack of height. Rich Lefebvre was starting guard

along with Gerry Loe. Dennis Flaherty and Paul Bolon were the forwards.

Three first places weren't enough to carry the track team as they fell to Bowdoin 72-30. The squad put up a good fight but couldn't compete having such limited personnel

Dartmouth proved to be formidable opponent as they downed the Tech squashmen 9-0. Only two MIT players managed to even score on their opponents as they lost their matches 3-1.

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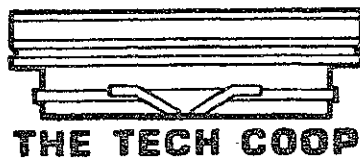
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Tech grapplers place 11th in Coast Guard Tourney

By Armen Varteressian

The varsity wrestling season got off to a disappointing start last weekend as the Tech team tied for 11th in a field of sixteen teams at the Coast Guard Invitational Tournament at New London.

Captain Bill Harris '68, wrestling at 123 pounds, won the first round of his competition with a 6-4 victory over RPI's John Roth, but lost his second match to John Fong of Wesleyan, 8-3. After beating Andy Kopeck of Harvard 6-3, Bill met Roth again, only to lose a close 9-8 decision.

137-pounder Jack Wu '68 lost his first match, but came back to win his next two contests, mauling Yale's Dan Siever 12-2, and edging Bob Marshall of Wesleyan 6-5. Jack injured his shoulder in the match with Marshall and was forced to withdraw. Jack Maxham '69 took a first-round decision over Steve Southwick of Yale in the 145-pound class, but fell to the loser's bracket following a close 3-2 loss to Harvard's Jim Sader. Jack went on to defeat Jean Gonzales of C.W. Post 5-4. After meeting Southwick again and pinning him in 3:47, Jack lost 6-4 to 4th place finisher Tom Shafer of Army.

152-pound Norm Hawkins '68, proceeded to the third round of competition following decision victories over Bill Reinhart of CW Post and Phil Caramanica of King's Point, 2-0 and 4-0, but lost his next match to 3rd place finisher Gary Carpenter of RPI. Soph Rick Willoughby looked impressive as he won his first two rounds by decisions, 7-5 over Stan Chelluck of King's Point, and 7-0 against C.W. Post's Bob Reinhart. Rick lost a tough decision 3-0 to Harvard's Paul Padlak, who went on to place first.

A couple of expensive takedown mistakes cost Fred Andree '70 a place in the unlimited class. Fred beat Walt Filkins of Wesleyan in the first round of competition, 8-0,

and then pinned RPI's Larry Feley in 24 seconds of the second period of their match. In his third round match, Fred committed a costly error on an attempted takedown of Chris Fader of CW Post. Fader picked up 5 points on a takedown and near fall, and went on to win the match 6-2. A similar mistake cost Fred his next match 9-6 to Army's Paul Raglan, who went on to place 4th.

How They Did

Swimming

MIT (V) 52, Bowdoin 43

Bowdoin 48, MIT (F) 45

Indoor Track

MIT (V) 63, Bowdoin 41

Bowdoin 72, MIT (F) 30

Squash

MIT (V) 6, Dartmouth 3

MIT (V) 9, Adelphi 0

Dartmouth 9, MIT (F) 0

Basketball

Wesleyan 80, MIT (V) 68

Wesleyan 61, MIT (F) 46

Wrestling

MIT (V) 11th in Coast Guard

Invitational

Hockey

UMass 15, MIT (V) 0

Two records fall

Swimmers down Bowdoin

By Jeff Goodman

Two varsity records fell last Saturday as Tech's swimmers marked up their first victory of the season by defeating Bowdoin 52-43 at Alumni Pool.

In the hardest fought and most exciting event of the meet, Luis Clare '69, Tom Nesbitt '69, Jim Bronfenbrenner '70, and Bill Stage '69 brought home Tech's first seven points by edging out the Bowdoin 400 yard medley relay team. Clare, Nesbitt, and Bronfenbrenner raced neck and neck for the first three legs of the relay; Bill Stage was dead even with his man for 75 yards and won the race on the last length.

Dille gets record

Lee Dille '69 easily won the 200 freestyle event and broke the first record of the day, clocking a 1:54.6. Dave Benbasset '68 took a third to make the score 13-3, MIT. Captain John McFarren '68 got a slow start in the 50 yard free-

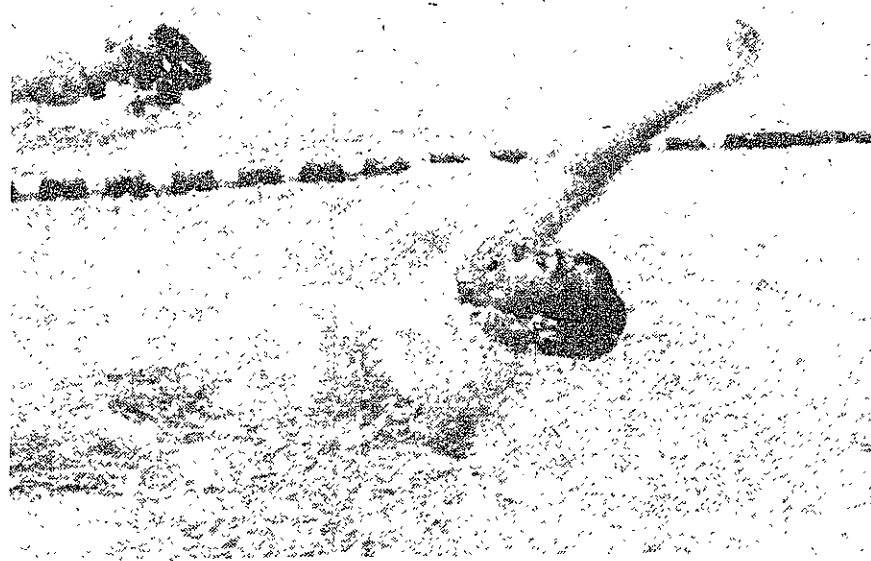


Photo by Steve Gretter

Luis Clare '69 leads by half a body length in the 200 yard backstroke, against Bowdoin. Clare went on to win and contribute five points to Tech's 52 total. The engineers won the meet 52-43.

style but sprinted to a 0:22.8 victory.

In the diving, Bob Rorschach '70 edged out Le Blanc on the high board. LeBlanc was last

year's 2nd place New England high board diver. Dille and Bronfenbrenner raced 200 yards butterfly to a one-three finish.

Freestyle mark falls

John McFarren swam 100 yards freestyle in 0:50.2 to break the school record in that event set last season by Mike Crane '67 in 0:50.0. Clare picked up a win in the 200 yard backstroke to add another five points to the MIT score. Dave Benbasset took a third in the 500 yard freestyle swim behind Bowdoin's Williams and Finsilver as all three finished within four seconds of each other in a tight race. The score now stood MIT 44, Bowdoin 36.

Preston and Nesbitt combined for Tech's only slam as they placed first and second in the 200 yard breaststroke to clinch the meet. Dille, Stage, Clare, and McFarren were disqualified in the final 400 free relay to make the final score 52-43.

Trackmen top Bowdoin; sophs gather 36 of 63

By John Wargo

The indoor track team outdistanced Bowdoin in Rockwell Cage Saturday 63-41 in its season opener. The young varsity showed exceptional strength and depth in the distance events, outscoring Bowdoin 20-7 in the 1000, mile, and 2 mile. Ben Wilson '70 led the sophomores to a total of 35% points, including Wilson's firsts in the 1000 and mile. The latter was in 4:24.6 on MIT's notoriously slow 10-lap-to-a-mile track. John Owens '70 came through with seconds in the 600 and 1000, and Jim Yankas '69 opened up a 100 yd. lead in the last quarter to win the 2 mile in 10:01.2.

Sophs pace team

Last year's freshmen sprinters proved themselves to be good varsity competitors, with Larry Kelly '70, Joel Hammelstein '70, and Bill McLeod '69 sweeping the 50, a traditional Bowdoin strong point. Kelly finished the day with a third in the 600 and proved to be the hero of the victorious mile relay squad. He began the anchor leg 10 yards behind and opened up for 175 yds. to win by 10 yds.

Pole vault record

Tech had the edge in the jump-



Photo by Bill Ingram

Steve Sydorik '68 easily clears 13'6" Saturday against Bowdoin. Sydorik won the event with a 14'6" vault.

ing events, compiling 17 points to Bowdoin's 10. Captain Steve Sydorik '68 won the pole vault on his way to eclipsing his own cage record with a 14'6" jump, and Jim Reid '68 added a third.

John Zilli '70, freshman record holder, held down first in the high jump with a 6' effort, while Dave Ogrydziak '68 took third. Bill McLeod '69 jumped 21'9" to merit first place honors in the long jump.

The weightmen slipped a little, getting 7 to Bowdoin's 11. Pete Maybeck '68 took seconds in the weight and shot, with Jim Sicilian '69 adding a third in the 35-lb weight throw.

The team seeks its second victory this Saturday at 1:30 on Bates' home track.

Skaters humiliated in 15-0 UMass win

By Charlie Brass

When Amherst meets the UMass hockey team this Wednesday, it will be blessed with an unexpected advantage; the UMass ego will be grossly overinflated due to a 15-0 victory over MIT last Saturday. With only one senior and six returning lettermen on the team, the University of Massachusetts skaters had no reason to hope for anything better than the 6-1 victory they got last year.

It took UMass over eight minutes to score their first goal, but after that they pulled away fast with three more goals in the first period, five in the second, and six in the third.

Hopefully, the team will bounce back from this to beat WPI Thursday.

On Deck

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Swimming (V)—Tufts, away,

8:30 pm

Swimming (F)—Tufts, away, 7 pm

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Fencing (V&F)—Harvard, away,

7 pm

Basketball (F)—Phillips Exeter,

away, 3:30 pm

Thursday

Wrestling (JV)—Stevens, home,

7:30 pm

Hockey (V)—WPI, home, 7 pm

Tech racketmen win twice, beat Dartmouth, Adelphi

By Roger Dear

Coach Ed Crocker's varsity squash team began their 1967-68 season last weekend on an encouraging note by defeating Adelphi 9-0 Friday night and Dartmouth 6-3 Saturday afternoon. Adelphi only brought

eight men Friday night, forfeiting their ninth man. But the outcome was never in question, for the Techmen handed Adelphi their 11th defeat in as many meetings without losing one game. The three sophomores on this year's squad, Bob McKinley, Manny Weiss, and Terry Champlin all registered their initial varsity victories, playing in the number four, six, and nine positions respectively.

Saturday's Dartmouth contest was much more exciting. Captain Ken Wong '68 playing in the number one position, was narrowly defeated in a hard-fought battle, against soph Geoff Scott. Bob Melanson, '68 number two man, had trouble in his first game against Greg Cook, but managed to win 15-13. After that he had no trouble taking the next two, 15-6, 15-9. Chye Tantivit '68, number three man met the same problem that Melanson did, and he won in three straight too, 15-12-15-8, 15-2. Bill Klein, '68 number eight man, defeated Skip Croninger in four games. The most important and significant part of the match was the showing of the sophomores.

Cagers fall to Wesleyan

By Steve Wiener

The varsity cagers dropped their opening game of the season to Wesleyan 80-68. The contest was a seesaw battle which never saw more than a seven point lead until Dave Jansson '68 fouled out and Alec Bash '68 twisted his ankle, both with only three minutes remaining.

Opening in a man to man defense, Tech had trouble containing Wesleyan in the first few minutes. But, after falling behind by seven, Jansson hit two jumpers from the side and Bash sank two short bank shots. After the host's Bob Wrobel netted two from inside the key, Jansson and Bash each swished a ten footer to put the engineers ahead by a point. The game remained close, with Wesleyan ahead 32-31 at the buzzer.

Second half close

The second half opened in the same seesaw manner with Bash driving for two layups and the hosts getting six points back, four of them on free throws. Lee Kammerdiner '68, Tech's fifth starter, dropped a jumper and Jansson went on a six point spree for MIT, putting the visitors back in the lead by a three point margin. With five and a half minutes left in the game Tech led 57-55.

Wrobel tied it up with a pair from the foul line and Reisner put Wesleyan out in front with two jumpers from the key. Jansson converted a three pointer and Kammerdiner scored four. Then with the scoreboard reading 66-66, Bash sprained an ankle and Jansson was credited with his fifth foul. Bob Vegeler '70 and Dan Santini '67 came in and pulled down ten rebounds together, but Wesleyan went wild from the foul line area and outscored Tech 14-2 to runaway with an 80-68 triumph.

Dave Jansson led MIT in both departments, scoring 24 points and hauling down 13 rebounds. From the floor he sank 11 of 17 attempts. Bash had 13 points and 10 rebounds while Wheeler netted 14 tallies.



Photo by Len Hirshfeld

Lee Kammerdiner '68 lays in two points for Tech in the game last Saturday against Wesleyan, which Tech lost 80-68.

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