Stratton, Catalano Unveil Center Plans: 
Construction May Start Next Spring

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Student Center have been ap-
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Inscomm Establishes 
New Subcommittee 
On Student Center

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As Muslims we want segregation. We do not want to be united with a society that is on its way down," stated Malcolm X when he spoke at Simmons March 20. Segregation is the keystone of the Black Muslim plan to be united with a society that is on its way down. "By constantly reminding their followers of their slave heritage, by calling the white race their "open enemies" and "the real devils", and by emphasizing their persecution by the whites, the Black Muslims have built up a reputation as a hate group. Yet this is only part of the movement.

Basically a religious movement, Islam is merely a piousdenomination of Muslims. As Muslims they emphasize cleanliness, moral integrity, respect for their women, and abstention from alcohol, tobacco, and narcotics. Jungle delinquency and crime are another target of the Muslims; members are forbidden to carry weapons of any sort, and the crime rate has been markedly reduced among the Muslims.

The major concentration of effort is in two fields, however: civil rights and economic progress for the Negro. To make gains in both of these fields, the Muslims feel that segregation is an absolute necessity. "Do not expect your former slave master children to give you the privileges to do as you desire in his own house," declares Elijah Muhammad, leader of the movement.

Also they believe as long as the Negro is working for the white man, he will be discriminated against. They blame this sort of discrimination for the large scale Negro unemployment. To solve this problem, they encourage Negroes to set up their own businesses, which has been done with success in Chicago.

As a long term goal, they want separate states set up for the Negroes. "We need land wherein we can build our own society free from the tension, hatred and violence that now besets man today," states "the Black Muslim minister Malcolm X.

Recently, Elijah Muhammad went as far as to say "We want the government to do something for our people from all taxation as long as we are deprived of equal justice under the laws of the land."

At the same time that they are being discriminated against, the Negroes are dependent on the White race. "We need the Whites to pull us out of messes from begging and put us on our feet as independent men and women and defend the slave master," declares Elijah Muhammad.

The movement emphasizes the differences between the White and Black man. "We are two different people altogether," claims Elijah Muhammad. Malcolm X goes as far as saying "This is a separatist movement. It is to teach the Negro of the United States the culture of the former slave masters children".

By constantly reminding their followers of their slave heritage, by calling the white race their "open enemies" and "the real devils", and by emphasizing their persecution by the whites, the Black Muslims have built up a reputation as a hate group. Yet this is only part of the movement.

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Great Dome Transferred Into Giant Jack-O-Lantern

The Great Dome became a huge jack-o-lantern on Halloween night when eight fraternity men bedecked it with sheets and cutout mammoth jack-o-lantern on Halloween evening. The dome assumed a bright orange glow. Maintenance crews attempted to remove the eyes, but were proved wrong when maintenance crews attempted to remove the eyes. All the jack-o-lantern's shining on the dome were covered with red and yellow cellophane. As a result, the dome assumed a bright orange glow.

Institute Receives Ford Research Grant

The Ford Foundation announced grants totaling $13,565 for 16 projects in Europe, Africa, Asia and Latin America. MIT received two grants totaling $647,200. One for $118,500 is for research and economic development of Indonesia. The second of $528,700 was for continued research on the social and economic problems for the Niger River.

NEWSLETTER SANCTIONED: INSCOM PROPOSES ACTIVITY CARDS

By Herb Eagles

The Institute Community last week gave a unanimous vote of confidence to the editorial policies of the "Inscum Newsletter." Future issues of the newsletter will include a statement to the effect that all signed articles represent the opinions of the writers. Any signers of the bi-weekly issues to six or eight pages is also being considered.

Activity Cards

In response to Institute objections to the large-scale traffic in registration cards which regularly accompanies proms and special weekends, Ins-comped the administration issued an offer to each student with his registration card. This card would contain the student's name, class, and course, and the same expiration date as that on the registration card. A stronger motto, which would have made it grounds for disciplinary action for a student or group to solicit registration cards, was defeated.

Field Day: Boat Race, Bed Marathon, Glow Fight, Tug O' War: Sat. 10 am

By Lyall Moore

A gondola boat race, a "bed marathon," a tug-of-war, a glow fight, and an unannounced "Peanuts" event will highlight Field Day. 1965 Saturday morning.

The Class of '65 and '66 will vie at Briggs Field from 10 a.m.

Seminar Discusses Terminal Problems

The problems that beset major air terminals in the jet age will be discussed at a Flight Transportation Seminar at 6 p.m. in Room 32-356, Tuesday, November 8, by Mr. John R. Willy.

As director of aviation for the Port of New York Authority, Willy is responsible for running the two airports-LaGuardia and International-in New York and Newark and Teterboro in New Jersey that make up the largest single air-terminal complex in the world.

The weekly interdepartmental seminars, each featuring a leader in a different phase of the aviation industry, are being sponsored by the Department of Aeronautics and Astronautics to focus student and faculty attention on technological problems facing the aviation industry.

Open or closed, the shirt of top merit is Arrow's "Gordon Dover Club." Cardholders receive medium-point, button-down collar shirts at a greatly reduced price.

By Steven Ligameri

The common problems confronting American's commercial air carriers were the subject of a talk by Stuart G. Tipton, president of the Air Transport Association, before the Flight Transportation Seminar at 6 p.m. Room 32-356, Tuesday, November 8.

Mr. Tipton stated that the trend of the A.T.A. is to find workable solutions to problems of regulation, economics, and operations which face all airlines.

In the same purpose, the A.T.A. handles lobbying for the air transport industry and aids co-operation in ticketing, baggage handling, traffic control, and maintenance. The Association avoids some needless duplication within the industry.

Mr. Tipton saw the jet transport as a source of both trouble and salvation for the airlines. Although its initial cost and large capital expenditures present definite problems, as passenger loads rise and operation becomes more efficient, the jet will become more and more profitable.

In spite of the cost of keeping up with technology, Mr. Tipton could foresee the day when new innovations would be suppressed by increased efficiency. He stated that the competitive spirit of the airlines would cause them to seek improvements in spite of cost. The A.T.A. is concerned with the problems due to obsolescence of present aircraft.
The special centerfold section of this week's The Tech marks another step forward in a struggle which has existed all along in MIT. It seems that we are now astonishingly close to the physical realization of a center for campus-wide activities. The new facility is not a building designed from start to finish to fulfill the extracurricular needs of this campus.

As the accompanying articles indicate, this building represents the fruition of years of planning and work by many interested people; they also indicate that a great deal of work still lies ahead before the center is a functioning unit. The problems certainly they care share equally. From the design of new research centers to the financial problem, the sciences are to be

Facets of Life

In the face of scientific evidence now available, it is no longer possible to ignore the direct connection between cigarette smoking and the occurrence of lung cancer and other respiratory ailments.

By Peter J. Campbell

The whole point of the hand was to show the necessity of disguising which could only be called artistry. On a more sophisticated plane, one can classify this realm as strategy.

John Q. Juler

It is not clear what Mr. Buckley meant by civilization, but it is obvious that his view of "responsible people" (it was a liberal Pantheon. Upon the authority of "factitious economic imperatives," which they purport to describe, their minds become saturated with the idea that the effect of their rhetoric is betrayed by his failure to make the world safe for the true liberal. He sticks his head out and says, "I'm a liberal but I don't believe in the MIT Community are excluded."

Robert B. Paterson

In his annual report to the Corporation, Killian described MIT's immediate goals: "to enhance the quality of education at MIT, to create new facilities for research, to press forward in special fields of critical importance, and to relate research more closely to teaching; and to develop further the physical environment of our campus."

The report goes on to describe an admirable record of MIT's accomplishments in working toward these goals; it strikes but

President's Report I

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By Michael L. Wiesner

Letters to The Tech

Secretary Attacks

Buckley Lecturer

To the Editor:

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One of the best parts of the game of bridge lies outside of the realm of extracurricular. One might classify this realm as strategy. In its crudest form it consists of psychics. On a more sophisticated level it is called psychological cushions. Finally, there are plays which call for a little sophistication, for they are creative, de-
AAUP Adopts 'Wait And See' in Miss.

WASHINGTON—The governing body of the American Association of University Professors has decided to “wait and see” if the state of Mississippi takes action against professors who opposed Governor Ross Barnett's segregationist policies. The severity of professors at the University of Mississippi was reportedly the main concern at a closed meeting of the AAUP council, held Friday and Saturday, October 25-27, in Washington.

The AAUP is an association of some 50,000 professors at U.S. colleges and universities. As yet the AAUP has not learned of any specific threats to professors at Mississippi. Should reports be taken against “Mississippi professors, the AAUP will do everything within its power to guarantee academic freedom. As its strongest action, the AAUP could recommend that the University lose its academic accreditation. This would make virtually worthless degrees from Mississippi. The University of Mississippi is accredited by the Southern Association of Colleges and Schools, headquartered in Atlanta. According to an AAUP spokesman, the Association has taken an active part on behalf of the professors, and has been "trying to be constructive" on the University of Mississippi.

Other than recommending that the University of Mississippi lose its accreditation, the AAUP could give financial assistance to professors who are fired and help them relocate. For the present, the AAUP is keeping its fingers crossed. According to one source, professors at the University of Mississippi "feel the trustees of the University are more realistic than Governor Barnett... the trustees may very well be dominated by the governor."

The AAUP council also discussed new legislation replacing the disclamer affidavit in the National Defense Education Act student aid program. Although officially AAUP members are unhappy about the new provisions, the council did not oppose the legislation. "Joining the NSEA program is up to the individual schools now," said one member of the AAUP council.

There was no public announcement of either the council's agenda or recommendations following the two day meeting. Recommendations are kept secret until the annual spring convention of the AAUP, when they are submitted for ratification by the members.

It was learned, however, that the AAUP has sent letters to University of Mississippi officials asking them to notify AAUP if "there should be any threat from without to the freedom of students, the faculty, the University, or higher education in Mississippi."

This is interpreted as a warning that the AAUP would be alert for any political meddling in University affairs by Governor Barnett or any leaders of the segregationist White Citizens Councils which are influential in Mississippi politics.

The letters to Ole Miss officials stated that the AAUP "was ready to offer protection to teachers who might be harassed but we also asserted their belief in non-segregation, or who have taken a position on the Mississippi matter."

The letters were addressed to Chancellor John A. Williams and Board Chairman Charles Dixon Fair of the University of Mississippi. They were signed by AAUP President Fritz Machlup of Princeton University on behalf of the AAUP.

At NEC: No Charge

Bach Concert Is Offered

A Chamber Concert of Compositions by J. S. Bach will be presented by the New England Conservatory on November 7, at 8:30 p.m. in the Conservatory's Jordan Hall.

Under the direction of Jerome Cohen, assistant to the Conductor of the Conservatory Orchestra, members of the orchestra will play the Brandenburg Concerto No. 3, Cantata No. 51, Violin Concerto No. 2 in E major and finale No. 3.

Jerome Cohen, the concert director, has recently been appointed Conductor of the Needham and Norwood Symphony Orchestra. His competition, Conductor No. 1, was performed by the Boston Pops Orchestra in 1959 under Mr. Cohen. There will be no admission charge for this concert. It will be broadcast on WGBH-FM at the same time.
Sarasota, Florida, has staged a comic gem with his first stage play, "Never Too Late." The basic idea of this three-act comedy is pregnant with possibilities for hilarious development. A couple, in their early forties, learn that they are going to have an unexpected baby. The fact that their adult daughter and her husband are living caretakers lives as permanent guests of the young couple to further enrich the possibilities of a rich comedy.

The play is essentially a situation at which they happen to be joined by one who has a peculiar way of speaking and acting. The situation is humorous, but it is carried too far. Harry Lambert is an ultra-conservative business man in a small Massachusetts town. The role seems to have been written especially for Paul Ford. Mr. Ford is best known for his role as a politician in both "Teahouse of the August Moon" and the film, "The Bostonians." His role in "The Music Man." This role is well suited for Paul Ford. Mr. Ford plays the part grandly. His voice, expression, and timing are superb. His movements and stage presence are not perfection, but they come close.

Winston tastes good like a cigarette should! - "the best money can buy" or "the best money can buy."

The pleasant fatigue of prolonged smoking is worth more than the price of admission.

Marjorie O'Sullivan as Edna Lambert does an excellent and realistic portrayal of a woman who, given her few opportunities to express herself, "finds" herself. She has played mainly in TV "soap operas" but has also appeared in a few parts in mediocre productions. Her role in "Take the Morning Train" mine," was unimpressive. While it is the script, inspiration, or plain hard work, she is a lady in a small town. She is also the only one in the cast who can "do" the gayest, funniest, and most realistic portrayal in a role which, by its very nature, demands it.

Flavor! Full flavor in a filter cigarette.

That's why Winston is America's best-selling filter cigarette! Next time, smoke Winston.
THE MIT GLEE CLUB
conducted by Professor Klaus Liepman, Institute Director of Music
Just returned from a joint concert with the Smith College choir
Announces the remainder of its concert season.

Concerts with:
RADCLIFFE, SMITH, WHEELOCK, DOUGLASS, and MOUNT HOLYOKE
Works by:
Bach, Barber, Haydn, Sibelius, Poulenc, Schubert and others

Auditions will be held for a few remaining openings in
KRESGE AUDITORIUM
Rehearsal Room A, Today, Thursday, and Tuesday, November 13, at 5:00 p.m.
Beat Generation Poetess
To Give Reading in Haydcell

Denise Levertov, author and beat generation poetess, will be the first guest reader in the second annual MIT Poetry Series. The reading will be given tomorrow night at 8:00 in the Hayden Library Lounge.

Ms. Levertov, whose poetry has been described as "savage and vital" and showing "consistent brilliance" in the author of such books as The Double Image and The Skeletal Ladder, is currently the poetry editor of The Nation magazine.

Born in London and raised in southern Essex, she is the daughter of an Anglican clergyman and a Welsh mother. Educated at home, she studied ballet for a while and worked as a nurse during the war. Her first book was published in 1946.

To Give Reading is sponsored by the Student Literature Group of the MIT Union. Admission to the reading, which is sponsored by the Department of Humanities, is free.
Dr. Miser Analyzes Formation Bombing

By Richard Russell

"Formation Bombing in World War II" was the topic of an Operation Research Seminar last Wednesday. Discussing the development of precision bombing techniques was Dr. Hugh J. Miser of the Mitre Corporation in Bedford, Mass.

Dr. Miser told his audience that the month marked the 20th anniversary of the first attempt made to analyze the formation bombing of the U. S. Eighth Air Force. In 1942, bombs dropped over Germany had been landing with less than one per cent accuracy. Policy had individual planes dropping bombs at intervals of about a second, with precision the object.

The Operations Analysis Section took command of the situation. Instilling confidence in the bombardiers, they obtained evidence of bombing effectiveness. With dot graphs representing hits and concentric circles showing the intended target, the Section could determine whose, why and how the bombs were landing. Several facts appeared.

First, the 500-pound bombs being used were too small. Dr. Miser pointed out that 106 such bombs would eliminate a dozen classrooms and perhaps 20-30 students and professors if a run were made on MIT. Next, the Section exploded the myth that a quantity of bombs dropped at the same instant would collide and explode just under the plane. This myth had been responsible for the intervalometer, a device which dropped bombs at a time.

Colonel Curtis E. LeMay, a leader in Air Force innovations, was the first pilot to try the new salvo bombing method, using the recommended 200-2000-pound bombs. It was also found that mass bombing by a group of planes was more effective if all bombardiers "laid their eggs" at the same time as the lead bomber. This resulted in a tighter pattern.

Officers pointed out that such tight patterns did not hit the target as frequently as the old, drawn-out patterns. However, the Analysis Section showed that destruction was more thorough when the tight pattern did hit the target.

The Section also showed how three groups of 13 B-47's did more damage to 13 B-17's than 10 B-17's. The result of the Section's work was an increased in American bombing efficiency.

Dr. Miser's talk was implemented by many slides of actual Air Force bombing run photographs. In two instances, the Ragesburg, Germany run and the Paris Bomb Factory run, the word "CONFIDENTIAL" was scratched out at the bottom of the slides. Frequently passing to resize anec
dotes on the people involved in the project, Dr. Miser showed how even the crudest mathematical approach to war had its human side.

Dr. Miser, a graduate of Van

Hussey College, was teaching mathematics at Appleton, Wisconsin's Lawrence College in 1944, when he received a long-distance call from Washington asking for his aid. Responding quickly, he became one of the foremost in
terpreters of bombing data and gained personal contact with the current leaders in the field of operations analysis. He is now president of the 10-year-old Operations Research Society of America.

Kingsberry Homes

Announce Competition

Kingsberry Homes Corporation of Chambers, Georgia, has an

ounced the opening of a national design competition for architects, buildings engineers, draughtsmen and architects and draftsmen from throughout the country, with total prize money amounting to $1,000.00 and a first prize of $1000.00. The competi
tion will run until March 25, 1963.

THE CLEAN WHITE SOCK

He not only wears the clean white sock; he is "clean white sock." It's a kind of confi

dence that comes from knowing the right thing to do; even if he decides not to do it. His clean white socks are by Adler. His girl is by his side, every bit as "clean white sock" as he is. Naturally they don't always wear white socks, they just act like they do.

People who really swing are wearing the Adler S-C shrink controlled wool sock. $1.00.

ADLER's swinging S-C's available at

TECHNOLOGY STORE
Howard Speaks In Detroit  
On Urban Transportation

By Richard Schmalensee

By Selahsaher Frushak

John T. Howard, professor of planning at MIT, said that the space-minimums required by his hometown of Weyland, Mass., "spreads people out too far. The low density suburbs are getting too low in density..."

Prof. Howard was a keynote speaker at a recent national symposium in Detroit on "The Dynamics of Urban Transportation" sponsored by the Automotive Manufacturers Association.

He explained, "Such spread-out suburbs as Weyland put children at the mercy of their mothers, who have to serve as chauffeurs. It is neither good for the kids, nor for their mothers. Children become too dependent and this constant running around is not good for their mothers."

When asked what an ideal density for a suburb would be, he replied, "That is one of the unsolved and perplexing questions which face the city planner. No ideal density can be prescribed."

Prof. Howard said that now or in the future, any part of a city, can depend entirely on public transportation or entirely on private auto transport. The balance between the two will vary greatly, depending on the size and type of the city, and the nature of its development.

Talking about central business districts, he said, "There are different kinds of downtown districts which, because of sheer density, cannot be drained by public transportation facilities in residential areas..."

"The balance in planning," he said, "cannot be decided and plan for a future balance between private auto transport, transit, and auto, without deciding what kind of downtown districts which, because of sheer density, cannot be drained by public transportation facilities in residential areas..."

Howard Under Offer

Non-Credit Reading

Flexibility Course

In response to requests from a number of students and faculty members, the Institute will offer a special course next term designed to improve flexibility in reading skills.

The new reading course will be non-credit and will meet one night weekly for ten weeks. It will be available to all members of the MIT community, with first year students.

George W. Gibson, of the Harvard Business School, will teach the course, with assistance from Dr. John S. Fielden, also of the Harvard Business School, and a high. Prof. Gibson is Professor of the School's Division of Audio-Visual Education and its Development Reading Program.

According to Dr. Spero, who is arranging administrative details for the program, the course will "aimed primarily at extracurricular increases in reading speed and comprehension. While speed and comprehension will undoubtedly be improved, the course is designed "to enable students who are now finding reading too slow to be more flexible in handling reading assignments."

If a fee of $5 will be charged, covering all course materials. These will include varied reading selections ranging from novels to technical material such as a student would encounter in other classes. Specific details concerning registration for the reading course will be announced later when they become available.

SQUASH RACQUETS
All Sizes—Large Variety
Tennis & Squash Shop
67A Auburn St., Cambridge
(Opp. Lowell House) 76-4-2688

Charley The Tech Tailor
71 Amherst St., Cambridge
E 6-2088
Center Plans Released But Funds Lacking

By David E. Trewett

MIT's proposed Student Center is oversubscribed by the administration to be the most important unexecuted objective of the Second Century Program. Although the necessary funds are not yet available, it is hoped that the necessary funds will be secured to obviate a number of substantial gifts for this purpose.

The plans proposed by President Stassen Monday are the preliminary plans which have been approved by the Student Building Committee; by the time the final plans are ready, the Institute will have completed the second floor of the building of the Second Century Fund. It is hoped that ground may be broken for this project next spring and that the building will be completed in the spring of 1960.

A Plan - A Purpose

In order to appreciate the plans for the Student Center, one must have a working knowledge of the history of the building and be familiar with the idea of having a Student Center similar to that of the University of Pennsylvania. The Student Center, as a building, is to be the nucleus for a large number of student activities as a whole and in a manner that it should have a distinctive architectural character, expressive of the Institute's educational and research programs of science. The basic structure and the roof will be designed to allow the roof to extend over the offices, the mezzanine, as well as the bowling alley and other room, and student recreation. It was with these ideas in mind that Prof. Eduardo Catalano conceived and formulated the following building:

- Occupying a space roughly equivalent to a football field, the Student Center will be set back from Massachusetts Avenue between the present Student Athletic Center; it will face onto the plaza (i.e., toward the Charles River). Its total floor area should come to approximately 150,000 sq. ft.

- The Center will consist of a basement and four floors primarily for commercial facilities; a main floor and mezzanine for social activities and dining; and a top floor for student organizations and individual study recreation.

The mezzanine, as well as an eight-story tower, will connect the ground floor to the basement, and the main floor to the mezzanine. Eventually the mezzanine levels of the Center and Building Seven may be connected by a tunnel under Mass. Ave.

A Further Commercial Facility

Other dining facilities will include three additional dining rooms on the mezzanine floor along with Rathskeller, seating 100. As the Committee stated, "the mezzanine should be an inviting, intimate and unique that it can itself grow to be an MIT tradition. The mezzanine's dining hall will be used by activities, student-faculty groups, etc., for informal dinners or dinner-meetings, or they can double as regular meeting rooms.

Additional commercial facilities will include two more large central dining rooms, along with Rathskeller, seating 150. The mezzanine's dining hall will be used by activities, student-faculty groups, etc., for informal dinners or dinner-meetings, or they can double as regular meeting rooms.

As the main floor and the top floor in front of the building, there will also be a similar though smaller staircase at its western side.

The main features of this social section are the dining hall and the multi-purpose room, each two stories in height. For varying degrees of privacy, the dining hall will be sub-divided into three small dining rooms seating about 20 persons at one end of the hall; the main section, seating about 70, in the middle; and a medium-sized hall at the other end, seating about 80-90.

Additional to this hall will be a "supermarket-style" serving area; an attempt to eliminate long lines, this innovation will hopefully allow students to enter the serving areas with ease, pass directly to food-dispensing areas which interest them, and then leave through several check-out counters.

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Student Center (crosshatched)

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A Community

In order to execute the plans for the Student Center, one must have a working knowledge of the history of the building and be familiar with the idea of having a Student Center similar to that of the University of Pennsylvania. The Student Center, as a building, is to be the nucleus for a large number of student activities as a whole and in a manner that it should have a distinctive architectural character, expressive of the Institute's educational and research programs of science. The basic structure and the roof will be designed to allow the roof to extend over the offices, the mezzanine, as well as the bowling alley and other room, and student recreation. It was with these ideas in mind that Prof. Eduardo Catalano conceived and formulated the following building:

- Occupying a space roughly equivalent to a football field, the Student Center will be set back from Massachusetts Avenue between the present Student Athletic Center; it will face onto the plaza (i.e., toward the Charles River). Its total floor area should come to approximately 150,000 sq. ft.

- The Center will consist of a basement and four floors primarily for commercial facilities; a main floor and mezzanine for social activities and dining; and a top floor for student organizations and individual study recreation.

The basic structure and the roof will be designed to allow the future addition of a fifth floor, as the roof will be enclosed by a parapet, such an addition would not affect the building's octagonal appearance. All the floors of the Center will be connected by the two stairways and by two elevators. In addition, large central stairways will connect the main floor to the basement, and the main floor to the mezzanine. Eventually the basement levels of the Center and Building Seven may be connected by a tunnel under Mass. Ave.

Main Floor - Mezzanine

The main floor and mezzanine will hopefully serve to the food center point for MIT's social activities, this section of the Center will be accessible from the outside.

In addition to a large stairway to the main floor in front of the building, there will also be a similar though smaller staircase at its western side.

The main features of this social section are the dining hall and the multi-purpose room, each two stories in height. For varying degrees of privacy, the dining hall will be sub-divided into three small dining rooms seating about 20 persons at one end of the hall; the main section, seating about 70, in the middle; and a medium-sized hall at the other end, seating about 80-90.

Adjacent to this hall will be a "supermarket-style" serving area; an attempt to eliminate long lines, this innovation will hopefully allow students to enter the serving areas with ease, pass directly to food-dispensing areas which interest them, and then leave through several check-out counters.

Other dining facilities will include three additional dining rooms on the mezzanine floor along with Rathskeller, seating 100. As the Committee stated, "the mezzanine should be an inviting, intimate and unique that it can itself grow to be an MIT tradition. The mezzanine's dining hall will be used by activities, student-faculty groups, etc., for informal dinners or dinner-meetings, or they can double as regular meeting rooms.

The multi-purpose room will be located on the west side of the building, symmetrically opposite the dining hall. Holding a maximum of about 300 people, it will be available as a lounge, banquet room, movie house, or small theater. A wide corridor connecting the two large rooms will contain a series of exhibit cabinets, suitable for art exhibits and specialized shows of interest. The doors of the two rooms will be large enough to provide waiting areas for those attending social events in the multi-purpose room and, at other times, to be used for branches, small parties and dance.

Three additional lounges, one with a balcony, will be located on the mezzanine floor. The browsing library on the mezzanine will contain newspapers, periodicals and fiction and will have existing space both at tables and in easy chairs.

Activities Floor

The top floor will house student activities facilities.

TheArchaeological Community Association will be centrally located, in the large central re-creation center, equipped for its activities as well as for music-entertainment. The Archaeological Association will have a meeting room and a small exhibit room. The Lecture Series Committee has facilities, all as well as the SAE Techniques, Van Den, Tech Engine-ering News, and Tangent will have offices with nearby desk. Other offices will be occupied by Musical Club, Latin Society, Drummond, APA, Religious Clubs, IFC, Debate Society, and Aluminum Club.

A large amount of space will be devoted to activities for individuals and small groups. Included will be a dark room, six music practice rooms, and a room for arts and crafts work. The open squares and browsing library on the mezzanine, as well as an eight-hour lounge area in the basement, will also be open to these groups.

Ground Floor - Basement

The ground floor of the Center will be designed entirely to commercial facilities. Its main occupant will be the expanded Coop, similar in its scope of operations to that in Harvard Square. A bank and a drugstore are also hoped for on this floor. The basement will also house a bar, a bank, a post office, a shoe repair shop, a laund-ry, and perhaps two or other commercial units; there will also be an insurance office, the IFC, and the Outing Club on this level, as well as the bowling alley and a large kitchen.
Current Student Center Latest Of Many Proposals

"If At First You Don't Succeed . . ."

"Future Student Union Building Will Be Planned By Students," cried the headline on November 7, 1952, issue of The Tech.

The campus was then in a state of growth; new buildings and facilities building on all sides. Baker House had been burned and reconstruction set for it. And though there will be more than one major suggestion for the site of the New Student Union, it is now a reality. The MIT-owned segment of shops which had housed Tech Drug, Wal-

"The Spirit Revives"

It was the Baker Memorial Foundation, operating in the name of the late Dr. Everett Moore Baker, which first emphasized the need for a new student center, choosing a study of this problem as its annual project. A group of students was appointed to investigate the re-

"Back in Copley Square, "when MIT was Boston Tech," such a student center would have been a prominent place, and a different role in the expanded MIT; in addition to the small gyn-

"Current Student Center Latest Of Many Proposals"

Past Attempts At Student Union had Much Planning, No Money

A closely knitted college of offices and meeting rooms for student organizations, a library, a lounge, an auditorium, a recreation facility for individuals as well as groups, a student center which would be more than an added attraction, and an entity, such a building has been sought since MIT registered its first freshman class.

Copley Had Its Union

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**MIT Science Reporter:**  
**Films Catch Efficiency Of Bat's Radar**  
By James Vellieux  
The "MIT Science Reporter" was at the home of Prof. Fred E. Webster last week to tape a program verified "Bats: Radar Champions." Webster, who is a consultant for the Lincoln Laboratory in Lexington, is studying the amazing ability of bats to employ high frequency sound for "blind" guidance.

At his Cambridge residence, Prof. Webster carried out experiments with captured bats, and records data through the use of high-speed movie cameras. Meal worms and other objects are fed directly up, as it flies through the room at a speed of 28 ft. per sec. A 60 frame-per-second camera records the motions of the bat as he deftly intercepts the target.

From films taken in this manner, one can see the remarkable efficiency of the bat's radar system. Equipped with a brain no larger than a pencil eraser, the flying mammal bewitches sound waves (ranging from 10 to 100,000 k.c.) off the approaching target. Instantly he records the incoming sound waves, correlates them with previously compiled data, predicts the path of both himself and the target, and executes extraordinary maneuvers to intercept it. All this is performed with an efficiency that far surpasses man-made radar installations.

But there are a few situations which defy the bat's functional capacity. Certain moths, for instance, present a problem to bats for they are often able to jar the bat's radar by emitting their own high frequency sounds. Rats may also be fooled by glass, if they are approaching the window of a high building at an angle other than 90 degrees. In this case the sound waves are not reflected back to him for detection; and the bat will collide with the glass, which he interprets as empty space.

As for the practical applications of his project, Prof. Webster feels that much can be learned from the data processing system of bats. Nature seems to use a simple but effective method of storing and analyzing information from radar signals that our multi-million-dollar data processing equipment has yet to approach.

Discovering this secret is the chief object of Lincoln Lab's last flight facility project.

Ed Mullete, (R.S.E.E., 1956; M.S.E.E., 1962) is Project Engineer with the New England Telephone Company in Boston. Ed is assigned to the State Area Radio Transmission Group which planned and designed the Company's first major microwave system to be used for message service.

On another project, he made design and cost studies for the first educational television system in New England.
### Folk Song Society Hosts Harvard Singers

The M.I.T. Folk Song Society held its second meeting on Sunday, October 28. Guests were Pete Winters and Don West of the Folklore Center in Harvard Square. Pete and Don demonstrated some of their instruments which are less well-known than guitar or banjo, among them the autoharp and the ukulely. They also showed various styles of finger picking for the guitar. After their talk, a hootenanny was held.

At the meeting of Activities Council last Thursday evening, the Folk Song Society voted provisional membership to that organization. The FSS will, therefore, hold elections for officers at its next meeting.

The Folk Song Society will meet again on Monday night, November 12, in the Burton 22 Lounge.

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### if...

You have (or will have) your Ph.D. or Master’s Degree

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### ON-CAMPUS INTERVIEWS

**NOVEMBER 8, 9**

Please contact your College Placement Officer for an appointment. If you are unable to attend the interview, write to J. J. Englehardt, Director, College Relations, Martin Company, Baltimore 2, Maryland.
Italian Art Exhibit

Paintings by twenty-five Italian artists, award winners in the 1962 Essex Competition in Italy, will be exhibited in the New Gallery starting today and running through November 27.

Italian artists have always been supported by and have worked in the interests of the strong groups of their day — the Church, the City States, or commercial groups such as, the Medici and the banking families. Today many industrial organizations continue in this tradition of aiding Italy’s young artists.

Since 1951 Essex Standard Italians has sponsored four art competitions, based on industrial themes. The theme of the 1952 competition was “One Hundred Years of Italian Industry,” chosen to celebrate the centenary of Italy’s industrial progress. The collection on exhibit includes all the 1962 prize winners.

and many of the honorable men.

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You can win! 50 flashing new '63 Pontiac Tempest Le Mans convertibles are up for grabs! They're easy to win and it's lots of fun! The big sweeps are starting now . . . keeps going and growing through the school year. There'll be drawings for 5, 10, then 15 and finally 20 new Tempest convertibles — four exciting laps—50 cars in all! Enter often . . . no limit on the number of entries per person!

Enter now! Here's all you do:
1. Pick up a free official L&M GRAND PRIX 50 entry blank. Look for them where cigarettes are sold — on and about campus. Fill it in.
2. Detach your serialized L&M GRAND PRIX LICENSE PLATE from your entry blank. Save it! Tear off the bottom panels from 5 packs of L&M KING, L&M ROY, CHESTERFIELD KING or CHESTERFIELD REGULAR. Menthol smokers can enter with OASIS, 5 panels, or acceptable substitutes (see entry blank), must accompany each entry. Each entry must be mailed separately.
3. Mail us the panels and your serialized entry blank . . . it matches your license plate. Your serial number may be one of the 50 that wins a '63 Tempest convertible!

Winners' Tempests will include: 3-speed floor shift, bucket seats, deluxe trim and special décor, radio and heater, deluxe wheel discs, windshield washers and white sidewall tires; with delivery, sales tax and registration all pre-paid! And, choice of body, trim and top colors as well as choice of differential gear ratios!

Important: As your entries are received, they become eligible for all subsequent drawings. So enter often and enter early — before the drawing for the first five Tempests (right after Thanksgiving). Entries received by Thanksgiving weekend will be eligible in drawings for all 50 Tempests!

Remember: The more entries you submit, the more chances you have to win!

Get with the winners . . .
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See the Pontiac Tempest at your nearby Pontiac Dealer!
Physics of Rain Clouds

Nucleation Of Crystals Seminar Topic

By Robert Davenport

Nucleation of ice crystals was the topic of discussion at a special seminar presented Wednes-
day, October 31, by Dr. Neville Fletcher of New England University, Australia.

Nucleation of ice crystals or the physics of rain clouds, as Dr. Fletcher described it, is the phase change from water to ice. The only problem that scientists have with nucleation is understanding how the process begins. It must have a start, but scientists today are uncertain of its origin. To face the problem, Dr. Fletcher focused his attention on the parent phase of nucleation. This parent phase consists of very closely asso-
ciated molecules that form ice crystal lattices in short strips for short periods of time. Then be-
cause of lack of energy, the lattice separates back into single molecules. This fluctuating pro-
cess repeats itself until there is enough energy present to allow the nucleation to run to comple-
tion.

The amount of energy needed to complete the lattice structure is equal to the product of a material constant, volume, free energy and surface area. The rate of nucle-
ation is then roughly equal to the number of critical embryos per unit time multiplied by the rate of addition of molecules to the embryo, which depends upon the rate of collision with the embryo and on how many of those that do collide with the embryo stick with the embryo.

This is the scientists' problem. As of yet, they do not understand the quantitative of energy necessary for an addition to result or can they renumber the amount of free energy necessary for the forma-
tion of the embryo to begin. Dr. Fletcher saw the field of nucleation in organic materials answering many of those problems, but these problems cannot be solved for several years because of a lack of development in this area.

Dr. Fletcher halls from New England University of Australia. At the University of New England, he is a professor in the depart-
ment of physics. In years past he has studied radio physics, but he has given that area up for his present adventures in nucleation. He has written a book entitled The Physics of Rain Clouds. He graduaued from Harvard University in 1948 and went on to receive his Ph.D. from Harvard University.

Students View Plans, Possibilities at Monday Unveiling

(Continued from Page 1)

this will bring the total amount of money needed to between $5 and $6 million."

The present Student Center is to contain about 150,000 square feet of floor space, more than twice as much as Walker Memorial (1,000 sq. ft.). The only building in the Second Century Fund which will be larger is the Mathematics Science and Engineering building (about 160,000 sq. ft.), which will start to rise across the Great Dome before the end of winter.

Following President Stratton's talk, Prof. Catalano took the podium and proceeded to give a detailed description of the philos-
ophy behind, the location of, and the physical structure of the Student Center; he employed numerous slides which showed a model of the "West Campus of the Future.

Prof. Catalano's model of the Student Center and the detailed floor plan of the Center.

"The basis of the Student Cen-
ter is to create a focus of life in the campus," he explained. "The Center, no site and in function, will be the linking point between the East and the West. Later on when the basement is linked to the main Institute buildings by the tunnel under Massachusetts Avenue, and then also to the Graduate Center, it will be construct-
ured just west of Kresge, then the basement passageway will be-
come an underground street, lined by shops."

He further explained that the outside overhang on the level of the social floor would tend to make the social facilities of the Center, with its two-story glassed-
dining hall and multipurpose room, prominent over the com-
mercial facilities to be located on the ground and basement levels.

"The idea will be to unite the life inside the Center to the out-
side — to project outwardly the social activities inside the build-
ning. This can be achieved by the large stairway in front leading to the main floor, by the terraces on the mezzanine level, by the "open" nature of the building building as a whole."

Following Prof. Catalano's des-
cription there was a question and answer period, in answering one question concerning the future use of Walker Memorial, Presi-
dent Stratton announced that the Ryan Report policy of attempting to move all dormitory facilities to West Campus had been abandon-
ured. Present plans included in-
traving Senior House, the parl-
rats, and Walker together as a permanent dormitory area, in ad-
dition to building a new dorm on West Campus.

Another question answered by Chinups revealed that the extent or the building would be similar to that of the present Buildings.

It was further announced by Mr. R. Robert Simha, planning office, that in conjunction with the Graduate Center there would be developed a 400-car parking facility. In addition, there will be, less than 200 yards from the Stud-
ent Center, the Institute's second parking structure, which will be under construction before the first of the year, or shortly there-
after. This would be just across the street from Rockwell Cage.

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For Interview appointment or Informational Material write:

Hughes Aircraft Company
P.O. Box 90515
Los Angeles 9, Calif.

Hughes has written a book entitled The Physics of Rain Clouds. He graduaued from Harvard University in 1948 and went on to receive his Ph.D. from Harvard University.

Students View Plans, Possibilities at Monday Unveiling

(Continued from Page 1)
Debate Topics At UBC Cover Adultery And Nurses

Many engineering and scientific graduates leave that as an objective — achieving it is a reality at UAC's Corporate Systems Center. At age 21, he called his "debate partner" to tell him he was not going to debate with him. However, his "debate partner" decided to debate with him anyway, and they ended up having a very productive debate. The debate itself was focused on the topic of whether or not a capacity crowd at this debate voted down the motion that infants enjoy infancy more than the parents believe. The debate was very engaging and ended with a consensus that infants do enjoy infancy more than their parents believe.
Dr. Van Allen will summarize recommendations about scientific aspects of the U.S. space program made by scientists at Iowa City last year. The recommendations, the result of an eight week study made by the National Academy of Science.

The study was an analysis and critique of the U.S. effort in space and was carried on during closed sessions by some 50 of the nation's leading scientists.

Other speakers will include top officials of NASA and experts from government agencies, universities, and industries.

Satellite Endures Hardships

By Michael Sheehanstein

The Telstar satellite has experienced quite a few tests of its durability recently. According to Dr. H. T. Hutchinson, Supervisor of the Circuit Design at the Bell Telephone Labs, the active components of the satellite's small solar cells have withstood well above the high altitude nuclear explosion last July which heavily damaged several other satellites.

Speaking before a seminar on Thursday, November 1, Mr. Hutchinson attributed the satellites' radioactivity protection to a new solar cell structure. Telstar carries nineteen silicon cadmium solar cells with a sixteen volt battery for its power unit. The normal 3-4 volt solar cells were originally planned for use in Telstar.

Mr. Hutchinson noted the main objectives of the Telstar program to include tests for the reliability of space communication links for telephone, television, and telegraph systems; measurement of the radioactivity levels and their changes; and evaluation for a basic test of ground equipment. Hutchinson also remarked upon some technical information concerning the operation of Telstar and its ground components.

The satellite command tracker searches for a 136 megacycle beacon, and a 205 megacycle signal is sent to turn on the telemetry. The transmitter operates a 24 watt on-the-directional high gain antenna, the signal arriving at the ground at an almost 300 watt level. Astounding performance!

At the present time there are three orbits with mutual visibility with Maine and Europe. Hutchinson also stated that the orbits will change in two years allowing only one satellite to remain operational.

This necessitates shutting down the satellite to save the batteries, he said.

THE QUESTION:

Привет, кто может мне помочь?

THE ANSWER:

Mein Kannf

THE QUESTION:

After the ball is over

THE ANSWER:

5280 feet

THE QUESTION:

The answer is:

Get Lucky

the taste to start with...the taste to stay with

The question is: IF SOCRATES WERE ALIVE TODAY, WHAT WOULD HE ADVISE SMOKERS? Good, smart advice. Of course it makes sense to enjoy the fine tobacco taste of Lucky Strike. This taste is the best reason to start with Lucky Strike...

Dr. Van Allen is a member of the American Tobacco Company's research and development team.
There will be a TCA Smoker for all those interested in boys' group leadership, visiting hospitals, and tutoring work. It will be held Wednesday, November 14 at 5 p.m. in the Miller room (C 071). Dean Holden will speak.

APO Will Distribute Free Career Guide

Career for the College Man, an annual guide to business and professional opportunities, will be distributed free to Society and Graduate Students by Alpha Phi Omega. One hundred and five companies are described in a page index of employers.

Included also are information on how to write resumes, and a description of the resume service offered by the publisher of the book.

Distribution will take place today through Friday, in the lobby of Building 10.

and refreshments will be served.

The Chemical Engineering Department will present two seminars on November 8, at 3 p.m. C. Hill will speak in room 12-142 on "Resolutions of Atomic Hydrogen with Ogerfer at 7TH." At 4 p.m., H. Hopfenberg will speak on "Structurally Modified Polyethylene as a Separation Barrier" in room 12-142.

Latin American students are invited to a reception at 8 p.m. Wednesday, November 7, at the International Student Association Center, 15 Garden Street, Cambridge.

Refreshments will be served.

Rabbi Dr. Joseph B. Soloway will speak on "Catharsis in a Halakhic Perspective" for the fourteenth Morris Berg Memorial lecture presented by the MIT Hillel Society. The lecture will be Sunday, November 18, at 7:30 p.m., in room 1-196. Admission will be $2 by free ticket only; tickets (one per person) may be obtained from Norman Rodkin. Box 2322, Bunting House.

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9.01 Introduction To Sports

Weightlifting

By Bernard Yaged

Weightlifting is rapidly becoming popular in the United States not only as a way to condition for other sports but also as sport in itself. This sport is one of extreme physical exertion and mental concentration with each individual constantly trying to improve his own performance. Here at MIT those interested in this activity meet in the form of the weightlifting club under the supervision of Coach Roosevelt Harvey, a highly skilled coach in physical development as well as the art of weightlifting. Coach Harvey has been the head of a school weightlifting team.

There will be a weightlifting room "regulars," about six undergraduates and six graduate students, who will probably form the basis of the weightlifting team. Presently, the team is seeking new members with many of the local colleges.

Perhaps, some clarification is necessary about the actual activities that go on in a weightlifting meet. The weightlifter must first be distinguished from the bodybuilder. A bodybuilder is concerned only with the development of statuesque physique; the weightlifter is concerned with how much he can lift. At a meet, the weightlifter performs three feats of his strength, the three basic lifts. The first of these is the clean and jerk, a lift made from floor to shoulder rest position, and comes to a stand up position to complete the lift.

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**Kettering Foundation**

**Gives MIT $250,000**

For Science Teaching

A $250,000 grant from the Charles F. Kettering Foundation to support improvement in science education was received by MIT.

In using these funds, the Institute will operate primarily through two organizations, Educational Services Incorporated and MIT's Science Teaching Center. MIT is a member organization of the Physical Science Study Committee which developed a new high school physics course now used across the country. The Science Teaching Center was established at MIT a year ago under the direction of the late Professor Charles L. Friedman.

The Charles F. Kettering Foundation of Dayton, Ohio, was founded in 1937 by the inventors whose name it bears.

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**Kettering Basketball Competition Opens**

With Record-Breaking 58 Teams Entered

This week saw the start of another season of intramural basketball. A record breaking 58 teams are participating as against last year's high of 56.

In the American League, present favorite O'Donoghue team "A" won two games, while co-favorite Lambda "A" lost two. In the National League, "B" and Beta "A" each won its first contest. Featuring solid ball handling, the Chinese Student Club romped to victory in the Pacific Coast League. It's too soon for power in the others.

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**In Intramural Basketball Standings**

**Coach's Corner—Wrestling**

An Ancient Sport

**By W. R. Chassey**

Wrestling is probably one of the oldest and most universal of all pastimes. Prehistoric man depended upon his own strength, endurance and cunning for survival. After learning to walk and run, it is logical to assume that man learned some form of wrestling. The brutal type of wrestling was his main defense against his enemies and wild beasts. It is very likely that many of the skills that we come to us from antiquity were skills pre-humans needed in their combat. Probably wrestling as a sport grew out of context of skill between families and neighbors.

There is considerable evidence to support the theory that wrestling was highly developed at the dawn of civilization, more than 5,000 years ago. In 1928, nine stades were held at a temple of Atene at Chiosch, near Bagdad. One was a vast hourglass, the other two were wrestling courts, each with holds on the other's hips. The other was a circle with figures of two pugilists boxing off a ring surrounded by a barrier created by Samarian, an ancient people who have long since disappeared.

The Greeks stressed athletic competition, not only to train physically fit soldiers, but also to develop strong, virile, robustly and symmetrically built bodies. They regarded the wrestler as the best type of athlete, surpassed only by the discus thrower. The Greeks rated wrestling with running and jumping as the most natural form of athletics; and provided an excellent method of building muscles and improving health.

Reference to wrestling appears in all literatures. All types of wrestling scenes are shown on Greek coins and vases. The Greeks practiced two types of wrestling known as the "Upward" and "Ground." The "Upward" was the most common form. It was held in a pit which had been spaded and sometimes sanded to make a soft surface. The winner had to secure three falls. This was a style similar to our "free style" of today. "Ground" wrestling was staged on a spot which had been watered until it was extremely muddy. The Greeks thought mud was beneficial to the skin and the muddy surface made the contest less dangerous.

After the Romans conquered Greece, they took over the Olympic Games. Under their guidance, the games were not a success because the Romans did not appreciate competition for its own sake. The games degenerated in vicious and deadly gladiatorial contests for the amusement of the populace.

The Greek culture was so far in advance of the Roman culture that the conquerors became somewhat Hellenized. One result of this blending of cultures is illustrated by the Greco-Roman style of wrestling. The Roman's own methods of grappling were blended with the early Greek style. This style is still used in Rome today and is characterized by the fact that holds below the waist are not permitted.

Wrestling developed in an early day in Great Britain. There were almost as many different styles of wrestling as there were cities. The most famous of these styles were the Cheshire, Devonshire and Lancashire. Annually, on St. Bartholomew's and St. James' Days, these wrestling tournaments were held in old London. The champion was given a reward and others who made a good showing were awarded a game book. The fact that the English monarchs attended these matches shows the high esteem in which they were held. Both Shakespeare and Chaucer wrote poetic descriptions of the feats of outstanding wrestling of the Middle Ages.
By Noel Harvey

MIT’s soccer team suffered its first defeat of the season last Saturday by falling to Wesleyan, 4-4. The loss assures the second seed in the Easterns, with one point separating the Engineers from the defending champions.

The Engineers were unable to convert on their many scoring opportunities, but they did score the first goal of the game on a penalty kick taken by Zeke Harkavy in the 40th minute. The goal was the first for Harkavy, who had scored 11 goals entering the game.

In the second half, the Engineers pushed for the tying goal, but were unable to score. Wesleyan capitalized on their opportunities, scoring three goals in the second half to secure the victory.

Harvard's rugby team destroyed their hopes of dominating the season last Saturday with a 12-0 victory. MIT’s record now stands at 0-3-1 with only two games left to play, one being a match with Holy Cross this Saturday.

Takes Lead On Final Shot

Despite the wide winning margin, Harvard had to work for its victory. The Crimson led the first half, with the wind to their backs, and they were able to drive two more points into the game. Both attempts at a kick and the scoring ended with the Crimson leading 12-0. The Crimson would have scored the kicking field goal, but the wind was too strong.

Harvard also had the offensive actions in the second half to meet the wet and muddy playing conditions. Using short kicks and tacks, they were able to drive two more points into the game. Both attempts at a kick and the scoring ended with the Crimson leading 12-0. The Crimson would have scored the kicking field goal, but the wind was too strong.

Soccer players Bob Kaplan and Al Karin each scored two goals during Saturday’s soccer match on Briggs’s Field.

Kaplan kicked the tying extra point. But with time running out, Kaplan passed to Al Karin for a touchdown.

The Engineers dropped the contest 4-0. Backing up the play for the Engineers were midfielder Sylvester Okereke and Mohammed Chibuku.

ZBT Edges AEPi 25-19 For ‘B’ Grid Crown

Zeta Beta Tau scored in the last twenty seconds of a sudden-death overtime period to edge out Alpha Epsilon Pi in last Saturday’s B interfraternity football championship game.

The game was a lopsided battle, which was never really well played by either team.

AEPi took 13-9 lead into the second quarter, as Bob Kaplan hit Ron on a thirty-yard toss into the end zone, a pass on his only attempt, and went on to score against an excellent defensive line. A few plays later, Bob Kaplan took a ZBT punt on his own territory, moved the ball, and outmaneuvered three ZBT defenders on the way.

Chaff News for ZBT

The ZBT’s efforts on the field were usually time running out, but in the first overtime, they were able to score two points to tie the game.

In the second overtime, Kaplan connected with Ron on a pass from Zeke Harkavy, who was unable to score.

FACES NORTH EASTERN TODAY

Cross Country Squad Drops Two

By John Kittle

MIT’s cross country team fell twice this weekend, losing to Wesleyan in Saturday’s meets and finishing fifth out of six in the Easterns.

On Deck

Today — November 7

Crown Day (V) — Northeastern, Tufts, Away. 4:30 p.m.

Crown Cross Country (F) — Northeastern, Away, 4:30 p.m.

Saturday, November 8

Sailing — Yale Trophy Tournament, Finals, Away

Sunday, November 9

Sailing — Foale Trophy Tournament, Finals, Away

Monday, November 10

Cross Country (V) — New England, Away, Franklin Park

Cross Country (F) — New England, Away, Franklin Park

On Monday.

In the Easterns, Roger Hirsch (15:46) and Peter Williams (15:55) took first and second, respectively, for the Engineers in the Easterns.

In the fifth edition of the 15K, Tom Goddard (35:22), Nick McAvoy (35:29), Chuck Signurt (35:38), and John Tresler (35:52) also ran for the Engineers.

Central Connecticut State Jim Kowal finished first in a record 20:46, tying his own last year’s mark by more than a minute.

Running in the worst weather seen so far this year, running in the rain—the Harriers lost to Wesleyan, 15-5. Captain Tom Goddard (15:38) finished first for Tech in eighth position with Chuck Signurt (15:42) and co-captain Roger Hirsch (15:43) right behind.

Fresh Sports

Harriers Fall To Wesleyan, 20-43

The fresh cross country squad was defeated by Wesleyan in the Northeastern and Tufts.

Coach Reuben Newsom

The soccer team finished its season with a 6-4 win over a muddy field. Before the final game, two members of the team, Karyn Zangs and Tomas Van Tasthoven, were elected team co-captains.

Wednesday the harriers complete their season by winning, 15-14.