

## \$6 MILLION MARK REACHED

### Mass Moon Madness Inspires Dorm Festival To Celebrate Eclipse

Reverting to pagan moon worship, a group of Dormitory residents staged a monster festival in celebration of the eclipse on Thursday night. Starting with operation Flush, an unsuccessful attempt to disrupt the sanitary facilities of the dormitories by simultaneously flushing all the toilets, the flare-lit orgy stayed in the higher noise levels with firecrackers, explosives, and a PA system going strong during and after the eclipse.

In addition to the detonations, a light sprinkling of water from the adjoining dorms blended in to give an eerie but wet effect to the scene. Attempts of the man in the blue uniform to quell the fete met with small success and had it not been for an unfortunate occurrence sleep might have been forestalled all night.

The fireworks became rather indiscriminate as the party progressed. Daniel Lufkin, '52, collapsed when a charge of explosive exploded close behind him. As soon as the bewildered spectators realized that Daniel was really unconscious and not playing games he was rushed to his room and a doctor was hastily summoned from the Infirmary. Fortunately Lufkin regained consciousness in less than five minutes. The celebration, dampened, soon broke up.

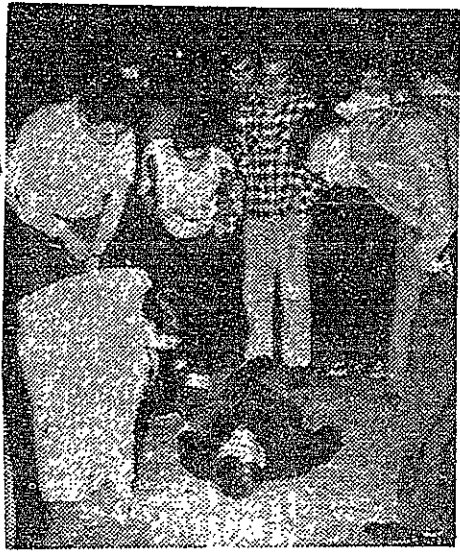


Photo by Honigsberg  
David Lufkin, '52, lies prostrate in dormitory courtyard as sobered celebrants look on. Shortly after picture was taken, Lufkin was revived.

### Library Ready Jan. 1; To House New Facilities

The Hayden Memorial Library will be ready for full student use according to official sources on or about January 1. At this time Tech men will find many new facilities that are now of limited scope.

Important among these expanded facilities will be a music lounge, including several listening rooms, and a map room to be located in the Dewey Library quarters on the first floor of the new library. It is reported that a giant-sized world globe, being built in England, will adorn this map room.

With the completion of Hayden a wholesale moving of the many Institute libraries will take place.

The Central Library will be moved to the second floor of the new building, leaving only the Vail Electrical Engineering Library within the dome of Building 10.

### Pandit J. Nehru To Visit Technology During Tour of U.S.

The Honorable Pandit Jawaharlal Nehru, Prime Minister of India, will visit Technology on Friday afternoon, October 21. Mr. Nehru will be the guest of honor at a reception and tea at the home of President Killian to which members of the Hindustan Students' Association of Greater Boston will be invited.

The Prime Minister's official party will include his sister, Her Excellency, Mrs. Vijaya Lakshmi Pandit, Indian Ambassador to the United States; his daughter, Mrs. Indira Gandhi; Sir Girja S. Bappal, Foreign Minister of India, and a number of military aides.

Members of the Institute's administrative staff and faculty who will meet Mr. Nehru will include Dr. Julius A. Stratton, Provost, and Mrs. Stratton; Dean Baker and Mrs. Baker; Professor Paul M. Chalmers, Adviser to Foreign Students, and Mrs. Chalmers; and Professor B. Alden Thresher, Director of Admissions, and Mrs. Thresher.

Prime Minister Nehru will stay in this country about two months. The purpose of his visit is to make a general survey of the American way of life. In particular he will study the educational system by visiting not only the Institute but many other schools in this country as well.

During the visit of the Prime Minister he will be accompanied by members of the State Department's Division of Security.

### Auditorium, Gym Combination May Be Built In Near Future

#### Petitions Ready For Sr., Jr. Committees

#### '51 And '52 Will Elect Section Leaders Today

This week is of major political importance in the sphere of student government. On Thursday, October 13, petitions for the fall elections will be available in the Institute Committee office. Today, elections will be held for Sophomore and Junior section leaders from 9:00 a.m. to 5:00 p.m. in the lobby of Building 10.

The fall elections, which will be held on November 1, will select the Senior Week Committee and Senior Ring chairman in addition to the Junior Prom Committee for next year. Photographs must be presented and attached to all petitions. The circulated petitions must be in the Institute Committee office before 5:00 p.m. on October 25.

Requests for absentee ballots for co-operative students must be in by October 26. Special voting for those unable to attend on Tuesday, Nov. 1, will be held in the Institute Committee office on the preceding day, Monday, October 31.

The section leader elections today come under the general election rules. It will be based on the preferential ballot, and proxy voting and campaigning in the lobby are forbidden. In order to vote, the student must present his registration card.

Implementation of several of the Institute's long-fomenting building plans is in the offing with announcement that six million dollars have so far been collected in the fund drive launched last spring. A gym and auditorium or combination of both and a faculty club are three projects currently being given consideration.

Twenty million dollars is the over-all goal of the drive for expansion funds. The Development Office has now completed a tabulation of potential contributors from whom significant amounts are expected. President James R. Killian, Jr., Dr. D. L. Rhind, Bursar, and other Institute officials are at present addressing these groups at exclusive dinners throughout the East. Funds from these major sources are expected to come in during the next six months.

#### Auditorium Sites

Several proposals have been advanced as to site and plan for an auditorium. One suggests its construction between Buildings 5 and 3 with an entrance at the present site of the information office. Thus the Building 7 Lobby would serve as lobby to the new structure. Institute architects are considering the general aspects of such a plan including the problem of lighting in the rooms adjoining the auditorium site.

The space between Building 7 and 33 is also being considered as a possible site. The auditorium would presumably connect with both buildings and access to the parking lot would be provided by an underground passage. If this site should be chosen, the Institute would present a solid front of buildings on Massachusetts Avenue.

A combined gym and auditorium on Briggs Field was seriously considered last year. Economically, this solution would be the most feasible since some sort of gym is being planned anyway. Aesthetically, it has the obvious drawbacks inherent in a combination gym-auditorium.

#### Faculty Club

Development of the long-range plan to locate graduate and faculty facilities on the campus east of Massachusetts and undergraduate facilities west of that street is tied up in plans for a faculty club. One plan attributed to Dean William W. Wurster of the Architecture Department would utilize the top floor of Walker Memorial for faculty use. The old senior house would become a dormitory for graduate students, a use to which it was formerly put.

On the west campus, the present Graduate House would be converted to an undergraduate dormitory. Such a plan would entail building a replacement for the present facilities in Walker.

### AS FROSH TANGLED WITH NORTHEASTERN

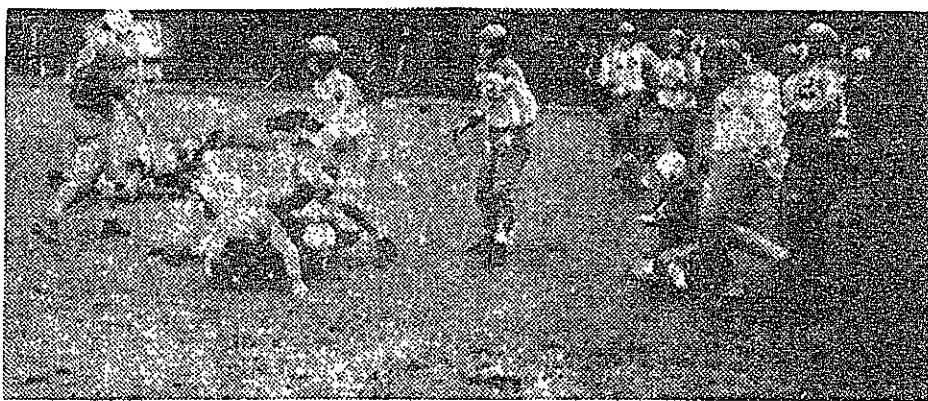


Photo by Winquist

Action on the Northeastern gridiron, as the Tech freshmen clashed with the Huskies. Northeastern won, 25-0. (Story on Page 3.)

### Dome Steps Are Revitalized With Tons Of Copper And Lead

By PARKER GAY

Since the latter part of July, Technology students have been seeing an array of busy workmen on the top of the dome on Building 10, directly over Central Library. Last week the men finally packed up their tools and descended, and in answer to the query of those who saw them there and wondered what they were doing, the workmen were merely making the dome more weatherproof. They were not as someone suggested, planning to goldplate it.

#### Lower Step Re-Covered

The thirty-three-year-old dome has withstood the elements surprisingly well, but the extremes of Boston weather had proven too much. After innumerable patching jobs over a period of years on the copper sheeting covering the four steps at the base of the dome, it was found necessary to entirely replace the sheeting of the lower step. This

copper sheeting is not visible from the ground, as it covers only the tops of the steps, but its effects can be seen in the green stains on the sides of the dome. These stains are caused entirely by the copper. To recover this lower step, which acts as a gutter for the rainwater pouring off the dome, some 2,100 lbs. of copper and over a ton of lead was used.

#### Sulfuric Acid and Limestone

In addition to replacing the sheeting of the lower step the workmen recaulked the joints between the skylight at the top and the stone blocks surrounding it. Here, also, copper was used to protect the stone and the joints from water seepage. When the dome was first built, oakum was forced into the grooves in the blocks of Indiana limestone, and hot pitch and molten sulfur were poured in to make a bond between the stone and

(Continued on Page 4)

### Westgate Now Open To Staff Members

Limited relief in the housing situation was recently offered to at least a few persons connected with the Institute by way of a change in policy regarding the allotment of apartments at Westgate. According to a recent release from the Dean's office, five per cent of any apartments that might be available at Westgate are to be reserved for a small, priority group of persons.

This group is to include only married members of the instructing staff who are definitely in extreme need of housing. The Dean's office wished to make it clear, however, that since the general need for

housing is so great and the list of applicants so long there will actually be little change in the over-all situation.

The new policy at Westgate follows closely that of Westgate West which, since it was turned over to the Institute by the government, has been administered through a similar plan. When Westgate West was turned over to the Institute, the federal government stipulated that five per cent of the homes were to be reserved for those married instructors who were absolutely needed for the teaching of veterans. Because of the increased strain on housing facilities, the Administration feels that it is advisable to use this same plan in regard to Westgate.

### NOTICE TO STUDENTS

Preliminary lists for the Directory of Students will be posted in the following places October 17 to 19: the first floors of Buildings 2, 5, 6, 8, and 33, and the lobbies of Buildings 7 and 10.

Each student is requested to inspect a list and to report any corrections to the Registrar's Office, Room 7-142, on the cards provided.

# The Tech

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 Assistant Night Editor: Richard Sharp, '52

## CALENDAR OF EVENTS

### OCTOBER 12 TO OCTOBER 18 WEDNESDAY, OCTOBER 12

Columbus Day. Holiday.  
 Nautical Association. Oberg Trophy Regatta. Boston College, Boston University, Harvard University, M.I.T. Sailing Pavilion, 10:00 a.m.  
 Intervarsity Christian Fellowship. Discussion of the Bible. Room 5-204, 5:05 p.m.

### THURSDAY, OCTOBER 13

Technology Dames. Trip to Wayside Inn, Sudbury. Meet at 12:30 p.m. at Massachusetts Avenue entrance to M.I.T.  
 Civil and Sanitary Engineering Department. Graduate Seminar Committee. Research in Civil Engineering. Room 1-390, 4:00 to 5:00 p.m.  
 Physics Department. Colloquium: "Report on the Basel and Como Conferences and Some Recent Work on Nuclear Energy Levels." Dr. William W. Buechner. Room 6-120, 4:30 p.m.  
 Faculty Pistol Club. Range practice. Rifle Range, 5:15 p.m.

### FRIDAY, OCTOBER 14

Biology Department. Colloquium: "Action of Oxidative Enzymes on Biologically Active Proteins." Dr. Irwin W. Sizer. Room 10-275, 4:00 p.m.  
 Mechanical Engineering Department. Seminar: "The Solution of Non-Linear Problems by Number Series." A. Madwed. Room 3-470, 4:00 p.m. Coffee will be served at Headquarters from 3:30 to 4:00.  
 Baton Society. Annual Faculty Dance. Morss Hall, Walker Memorial, 8:30 p.m.

### SATURDAY, OCTOBER 15

Bridge Club. Tournament. Dining Hall, New Dormitory, 1:30 p.m.  
 Hillel Society. Acquaintance dance. 5:15 Club Room, Walker Memorial, 8:15 p.m.

### SUNDAY, OCTOBER 16

Nautical Association. Freshman Dinghy Championships "Elimination B." Bowdoin, Brown, Colby, Harvard, Holy Cross, Northeastern, and Tufts. Sailing Pavilion, 10:00 a.m.  
 Technology Matrons. Tea for newly arrived foreign students. Dining Hall, New Dormitory, 4:00 to 6:00 p.m.

### MONDAY, OCTOBER 17

Technology Dames. "Frozen Foods." Dr. Bernard E. Proctor. Emma Rogers Room, 2:30 p.m. Refreshments will be served.  
 Meteorology Department. "Meteorological Application of Radar Signals Spectroscopy." Glen Hill. Room 12-182, 4:00 p.m.  
 Naval Architectural Society. Dinner meeting. Campus Room, Graduate House, 6:00 p.m.  
 Kappa Kappa Sigma. Meeting. Moore Room, 7:30 p.m.

### TUESDAY, OCTOBER 18

Technology Matrons. The Bridge Group. At the home of Mrs. Percy Lund, 93 Nonantum Street, Newton, 1:00 p.m.  
 Institute of Aeronautical Sciences. Student branch. "Tail Buffeting." Wilbur B. Huston, '33, of the National Advisory Committee for Aeronautics. Room 1-190, 5:00 p.m.  
 Faculty Pistol Club. Range practice. Rifle Range, 5:15 p.m.

### EXHIBITIONS

The Collection of Historic Photographs from the Library of Congress will be on display in Lobby of Building 7 until October 14.  
 On October 17 the Museum Committee will present an exhibition of costume and stage designs in pastels and water colors, as well as pen and ink and pencil sketches and drawings by Claude Bragdon in Lobby of Building 7. The exhibit is entitled "An Architect Sets the Stage."

### CALENDAR OF EVENTS

The Calendar of Events is published weekly on Tuesday in THE TECH, and contains announcements for the following week. It is sent without charge to all members of the staff, heads of D.I.C. projects, as well as to the leaders of various organizations. A separate listing of the Calendar of Events will be mailed to others for one dollar a year, payable in advance at Room 7-204.

Announcements, typewritten and signed, must be in the Office of the Editor, Room 7-204, not later than noon on Thursday, prior to publication date. Material for the Calendar, October 19-25 is due on October 13.

## Exeter Theatre Revives GB Shaw's "Major Barbara"

That fine and venerable Boston institution the Exeter Street Theater has finally seen fit to release its death grip on the "Blue Lagoon" to revive a much better, if earlier, British import. Likewise, they have fallen back on that bit of sage wisdom usually attributed to the Theater Guild, "When in doubt, play Shaw." Shaw (G. Bernard, as if you didn't know) it is, too, and the offering is "Major Barbara."

You will find Wendy Hiller quite as enchanting, Rex Harrison just as suave and commanding, and Robert Morley just as devilish, and well . . . Shavian as you did the first time. All three players and the whole cast are superb in their parts; the film in general is as fine an example of English acting as you will find anywhere on the screen today.

### The Plot

The plot concerns a young Professor of Greek (Rex Harrison) who falls in love with Barbara Undershaft (Wendy Hiller). Complications set in, however, when it develops that Miss Undershaft is the wealthy scion of Undershaft, the cannon and munitions king (Robert Morley), and no sooner does the young professor establish himself in the bosom of the family than the old boy himself, who has been estranged from the family for quite some time, decides to pay them a visit.

Barbara, intent on saving the old devil's soul, makes a deal with him: she will visit his munitions factory, if he will accompany her to the Army shelter in the Limehouse district of London. Barbara, who has scruples about taking money from whiskey makers and armament manufacturers, objects to this, and when the Army takes the money anyway, she resigns. Meanwhile, Undershaft himself, who has been casting about for an heir to take over his business, has taken quite a shine to Adolphus, our Greek professor.

### Cannon Factory

Everything turns out all right anyway, however, when in the visit to the cannon factory, Undershaft turns out to be not such a cad after all, and judiciously points out that whether you make guns or railroad tracks, explosives or fertilizers is just dependent on what you want to do. The old boy seems to have provided his workers with a sort of utopian welfare state, as well.

So Barbara and Adolphus decide that the point to begin the fight for religion is to fight against poverty, and they are in a much better position to do that at the head of Undershaft's than they are piddling around in Limehouse.

### "Make War on War"

Although I have no quarrel at all with Mr. Shaw's unflagging wit, and the superb behavior of the cast at all times, this ending sort of unnerved me. Frankly, instead of being wrapped up in properly socialist ardour, it struck me that they had all more or less sold their souls down the river. Their end is ostensibly to "make war on war" but frankly, Mr. Shaw doesn't quite explain how; the whole thing seems quite as transparent and artificial as the plasterboard sets representing Undershaft's factory-utopia. If you can figure it out, let me know. —F. V.

## Boston Baedeker

By RICHARD J. POWELL

Boston has long been recognized as one of the leading cultural centers of this country, and certainly a primary component of this culture is its sixty-eight-year-old orchestra, the renowned Boston Symphony. This year marks a new milestone in the history of the orchestra for, as is nostalgically evident to old BSO devotees, the revered name of Serge Koussevitzky is missing from the billboards and in its stead appears that of the new music director, Charles Munch.

### Concert Series

As in the past, the orchestra is offering four series of concerts at Symphony Hall: The identical Friday and Saturday series, the Tuesday evening series, and the abbreviated Sunday afternoon series. The sixty-ninth season began last weekend with Munch conducting a program of Weber, Handel, Schubert and Beethoven, with the latter's fifth Symphony as the main work. For this coming weekend the orchestra will present the Second Suite for Orchestra of Piston, Rachmaninoff's Second Piano Concerto, and the Symphonia Domestica by the late Richard Strauss. Playing the solo part in the Rachmaninoff Concerto will be the young American Pianist Byron Janis. The Friday afternoon concerts begin at 2:30 o'clock; the Saturday evening concerts at 8:30.

Unfortunately, for the occasional concertgoer these concerts are of the "subscription variety, and this season every seat for each series is subscribed. However, this does not eliminate the non-subscriber, for as in previous seasons there have been a substantial number of tickets turned in and re-sold at the box office. Then too as a last resort you can stand in front of the main entrance to Symphony Hall about an hour before concert time and wait in hopes that a series holder will come along with a ticket; this exchange sometimes involves a middleman's profit. But a performance by the Boston Symphony Orchestra is certainly worth the extra effort and expense.

### Stuart Gardner Recitals

Though the Boston Symphony Orchestra may be the more prominent musical attraction in Boston, it is by no means the only one. The Isabella Stuart Gardner Museum offers an exceptionally fine series of recitals given Sunday afternoons at 2:00 o'clock. A significant feature of these recitals to the budget-happy Techman is that they are free.

Filling out Boston's musical schedule even more are the frequent recitals given in Symphony and Jordan Halls by the outstanding concert artists of the day. Many of these concerts are presented by the Aaron Richmond Celebrity series. Solomon, the noted British pianist will be one of the season's openers by giving a recital this Thursday evening, October 13, at Jordan Hall. His program includes the Bach-Busoni, Chorale Prelude, "Sleepers Awake"; Mozart Sonata B-flat; Brahms-Handel Variations; Chopin B-flat minor Sonata; Debussy Voiles, La Danse de Fuck, minstreils; Liszt Mephisto Waltz.

### STUDENT FURNITURE

To buy, or to sell, visit the HARVARD FURNITURE CO., INC., 872 Mass. Ave., Cambridge.

### — NEW & USED —

Studio couches, easy chairs, desks, end tables, lamps, fire equipment, rugs, and bric-a-brac.  
 Free delivery, serving students for 15 years at M.I.T., Harvard, B.U., and other colleges.



All sorts of tricks were tried by our upperclassmen to gain entrance to the Freshman Dance Saturday eve before it was thrown open to everyone. In fact, you could immediately distinguish the older fellows from the students by the fact that the upperclassmen were practically the only people wearing freshman ties. But the greatest faux pas was committed by the absent-minded "freshman" who came to the dance . . . wearing his Technology Class ring.

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We ran across a fellow this summer, Ben Bartlett by name, who was around Tech in the early 30's. According to Ben those were "the good old days, when men were men and Techmen were crazy." One of the neatest tricks he can remember happened on the day that some of the "boys" visited a nearby farmer and persuaded the gentleman to sell them a cow, reportedly for the purpose of setting up a dairy. The cow was trundled back to Technology and over to the Old Senior House. After much prodding the animal was pushed into one of the hallways and thereupon prodded up the stairs. To the top floor no less. Thence Bessie was led into the room and tied to a pipe. Our estwhile dairymen spent the rest of the day crawling around in local grass fields, obtaining clumps of the fodder to feed their cow. That evening she was still there. Bessie started mooing and residents of the President's house began to wonder just where the odd sounds were emanating from. The cow was soon discovered, but she refused to walk down the stairs. The Cambridge Fire department was finally called in and the hapless animal was lowered to the ground via block and tackle.

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Traffic Department:  
 Washington Times Herald, 9/21/49:  
 "Nude Auto Ride Lands Pair in Jail." (Melbourne, Florida, dispatch). Both bride and groom were stupidly drunk when apprehended, yet the bride had driven their speeding convertible 135 miles — through red lights, and she without a license, he without his clothes!"  
 —M. C. G.

## SAE, Grad House Take Early Lead In Grid Tourney

Sigma Alpha Epsilon and Grad House A established themselves as the teams to beat in the intramural football tourney by turning in convincing wins last weekend as the season swung into its second week. The S.A.E.'s, using the two platoon system to advantage, dominated the League three picture as they smashed Delta Tau Delta 22-0. New Dorms A knocked off Phi Kappa Sigma 14-7, while New Dorms C was losing to Phi Gamma Delta 12-6.

Grad House A established itself as the No. 1 contender for defending champion Theta Chi's league title, by crushing Delta Upsilon 25-0 with an awesome display of power. Also in League four, Phi Beta Epsilon downed Sigma Alpha Mu 12-6, while

(Continued on Page 4)

## NOTICE

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Starting

Thurs., Oct. 13, 1949

Bring Membership Card!

TECHNOLOGY STORE

Framingham Temple Association presents the  
**Geo. Hamid THRILL CIRCUS**  
 Starting TOMORROW through Saturday  
 NEVINS HALL, FRAMINGHAM  
 3:30 & 8:30 P.M.  
 Admission \$1, T.P.

## Freshmen Bow To Northeastern, 25-0, In Initial Practice Game

Hampered by injuries and lack of practice, the freshman football team lost their first practice game to a powerful Northeastern squad, 25-0, last Saturday morning. The game was played on the winner's home field.

The Huskies' two-platoon system overpowered Tech's lighter team, and netted one touchdown in each of the four periods. The Engineer line especially found itself outplayed, while the backfield showed occasional flashes of organized offensive effort.

The closest Engineers came to scoring was at the beginning of the second half, when a sustained drive netted several first downs and penetrated the Huskies' 30-yard line. However, at this point the drive stalled, and the Beavers lost possession of the ball.

Most impressive among Coach Mark Pearlman's squad were Merrill Ebner, Charlie Teeple and Re-

naldo Oliveira. Teeple is quarterback and ball handler for the frosh, who operate out of the T formation.

A better line on the team's chances for a Field Day victory can be formed after they play Wentworth Institute on October 20. The sophs, meanwhile, will square off against the same Wentworth Institute this Thursday afternoon.

The starting lineups:

MIT	pos.	Northeastern		
Hegeman	QB	Baker		
Zurbrigen	LT	Carew		
Moga	LG	Sweeney		
Halsell	C	Merusi		
Athan	RG	Seenna		
Ebner	RT	Price		
Epple	RE	O'Flaherty		
Teeple	QB	Gochis		
Friedenthal	LHB	Fitzgerald		
Plante	RHB	Pandicco		
Murrau	FB	Schultz		
MIT Subs—DeTullo, Scott, Abbott, Hosmer, Diez, Swanson, Oliveira, Foster.				
Northeastern Subs—Parcell, Cox, Cashman, Glasberg, Pareiun, Lakis, Shain, Trakon, Devaney, Simard, Sylvia, Zampine, Jacques.				
Score by periods:				
Northeastern	7	6	6	6-25
MIT	0	0	0	0-0
Touchdowns—Devaney 2, Pandicco, Simard.				

## Kings Point Wins Danmark Trophy; Tech Places 3rd

Trailing far behind after the first day's action, Tech's sailors closed fast to snare a tie for third place in the International Invitation Dinghy Regatta held at Coast Guard over the weekend. Kings Point edged highly-favored Yale by one point to take first place and win the Danmark Trophy.

The final point totals read Kings Point 140, Yale 139, Tech and Princeton 121, and Brown 119. The remainder of the field of 13 trailed far behind.

John Lawson and Ray Brown combined to score a 69 in the A Division, which was good for a second place behind Monetti of Yale. Howard Fawcett and Bob Nickerson's score of 55 took fourth place in the B Division, which was paced by Fegley of Kings Point with a tremendous score of 75. Nickerson won Tech's only first place in the only race he sailed.

## Soccermen Downed, 4-1, In Opener At Amherst

### Dimitriou Scores Only Tech Goal

After a long three-hour bus trip and before a small crowd, due to a concurrent football game, Tech's soccer team went down to defeat against a strong Amherst squad last Saturday afternoon. The final score was 4-1.

All of Amherst's goals were scored by center forward Burnett, in an outstanding individual performance. The first was scored on a penalty shot after the ball glanced off Captain Dimitriou's hand in the penalty zone, and the second was a clean shot which got by the goalie untouched.

In the second period Burnett again scored as Tech goalie Silveston caught the ball in the goal but had it knocked out of his hand as an Amherst man crashed into him,

and Burnett kicked it in. Burnett's last goal came in the third period on a cover shot.

Tech's only goal came in the last six minutes of the fourth period and was scored by Captain Dimitriou, who had been shifted to center forward. After passes from Falcao to Akcaharman to Dimitriou, Dimi then kicked in a beautiful score over the goalie's head.

Tech's troubles were all typical opening game problems. The defense was uncertain at first and the offense bogged down until the later stages of the game. Ralph Thornton was the outstanding Tech player. His defensive work was very good and two of his blocks kept goals from being scored.

In their next game, which takes place tomorrow, the soccermen should defeat their opponents at Fitchburg. Last year's game ended 5-2 in Tech's favor.

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Yes, at tobacco auctions Lucky Strike pays millions of dollars more than official parity prices for fine tobacco!

There's no finer cigarette in the world today than Lucky Strike! To bring you this finer cigarette, the makers of Lucky Strike go after fine, light, naturally mild tobacco—and pay millions of dollars more than official parity prices to get it! So buy a carton of Luckies today. See for yourself how much finer and smoother Luckies really are—how much more real deep-down smoking enjoyment they give you. Yes, smoke a Lucky! It's a finer, milder, more enjoyable cigarette!

L. MURRAY MANGUM, independent tobacco buyer of Oxford, N. C., says: "Year after year, I've seen the makers of Luckies buy the kind of tobacco that tastes good and smokes good!" Mr. Mangum has smoked Luckies for 20 years. Here's more evidence that Luckies are a finer cigarette!



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**L.S./M.F.T. — Lucky Strike Means Fine Tobacco**

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### Insulin Output Speeded By New M.I.T. Processes

A quick and accurate test for insulin and a method which promises an important increase in production of this life-saving drug, both based on a process by which molecules of insulin can be made to virtually purify themselves, has been developed here.

This development was announced by President Killian at the dinner of the United Hospital Fund of New York at the Waldorf-Astoria Hotel last night.

#### First Test for Insulin

The process, developed by Dr. David F. Waugh, Associate Professor of Biology at the Institute, in cooperation with the research laboratories of Armour and Company, constitutes the first known chemical test for active insulin. It ends a search which has been under way ever since the production of insulin became an important industrial process.

The research which led Dr. Waugh to these advances began with a fundamental study of the structure of protein molecules. As a protein of great pharmaceutical importance, insulin was an early subject in Dr. Waugh's studies.

The production of insulin today requires a number of purification steps applied to an initial extract. At each of these steps accurate information about the amount of active insulin present is desirable. Until now, this information could be had only by time-consuming, tedious, and complex tests on animals—procedures requiring elaborate laboratory facilities.

#### Simplifies Production

All these are replaced by Dr. Waugh's simple chemical test for the presence of insulin. His process vastly simplified present testing procedures. The same process is also the key to an entirely new method for producing insulin. In its fibril form insulin is apparently not useful for treating humans; but a chemical treatment by which fibrils may be returned to a useful, active form of insulin is now being tested for stability.

### Dome Repair

(Continued from Page 1)

the copper. Due to the action of water on the exposed pitch and sulfur, small amounts of sulfuric acid were formed, which over a period of time had eaten its way right into the limestone blocks. However, according to Mr. Don Whiston and Mr. Ray Howell of Buildings and Power, this caused no real damage.

#### Skylight Construction

One interesting feature is the large size of the skylight. It is 63 feet in diameter and is actually flat on top. Composed of square glass blocks supported by a series of I beams, it can hold up a considerable amount of weight. During the war many of the research laboratories placed their heavy weighted antennae there. The domed skylight which one sees above the reading room in Central Library is entirely separate from the other one and is suspended below it by means of steel rods. The whole interior of the dome as one sees it from the inside is, in fact, suspended in the same manner. It is really a large plaster shell suspended on a metal lathe from the outer reinforced concrete dome.

## Activity Briefs

#### PSYCHIC RESEARCH SOCIETY

The M.I.T. Psychic Research Society will hold a smoker on Thursday, October 13, at 7:00 p.m., in Crafts Lounge, which is located in the old Senior House. All interested are invited to attend.

#### AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

Dr. Paul J. Raver, Administrator of the Bonneville Power Administration, will speak in Room 10-250, at 7:30 p.m. today. His address, "Power Developments in the Pacific Northwest," will be preceded by movies at 7:00 p.m. Everyone interested is urged to attend.

#### PHYSICS SOCIETY

The Physics Society will present Dr. Billings of the Baird Associates speaking on "A Scientist Looks at Language" in Room 6-120 today at 5:00 p.m. All interested are cordially invited to attend.

### TENNIS TOURNEY

The schedule of matches for the Intramural Tennis tournament is now posted on the bulletin board at the squash courts, and the tournament is now in session. All matches will be played on the Briggs Field courts.

(Continued from Page 2)

the Dekes were beating New Dorms B 11-0.

League One saw several hard fought games as Theta Chi beat Theta Delta Chi 6-0, Phi Kappa got by Lambda Chi Alpha 7-0, and Walker outlasted Phi Sigma Kappa 14-9. Since neither Sigma Nu nor Barracks A showed up for their game, both lost the right to compete in league play this season.

Shutouts featured League Two play, with Sigma Chi outlasting Kappa Sigma 7-0, the Lenox Club beating the Dorms by the same score, and Pi Lambda Phi forfeiting to Delta Psi.

Tournament manager Bill Shenkle wishes to announce that all teams not ready to play within fifteen minutes of game time automatically forfeit their game.

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