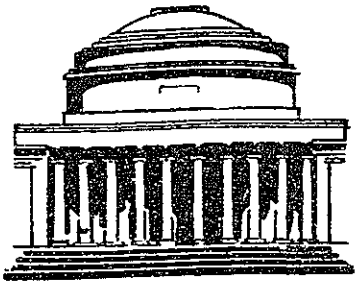


The Tech



Volume LVIII, No. 38

CAMBRIDGE, MASS., FRIDAY, OCTOBER 21, 1938

Price Five Cents

170 Tickets Remain For Late Buyers

Redemptions Start Today For Dance At Statler On Field Day

DRAWING TO BE HELD

Redemptions of options for the Field Day Dance in the Hotel Statler on October 28 will begin today in the Main Lobby and are to continue through Wednesday.

Tables in the ballroom may be reserved when the options are redeemed by groups of five couples or more. Tables unreserved by Wednesday of next week will be assigned by the dance committee.

Drawing To Be Held

A drawing will be one of the entertainments of the evening, the committee announced last night. The vocalists—Marian Hutton with Glenn Miller, and Linda Lee with Nye Mayhew—with the two bands will select five ticket stubs. The holders of the corresponding tickets will be refunded the full amount of admission to the dance.

Dates for those freshmen who are strange to Boston will still be procured by the dance committee, the committee said last night.

230 Tickets Sold

By last night 230 options had already been sold. The remainder of the 400 tickets available will continue on sale during next week.

Inst. Comm. Forms New Committee

C.P.S. Submits Its Program; Requests For Money Received

At its second meeting of the year, the Institute Committee confined its discussions mainly to the idea of keeping down expenses.

Several requests for money were forthcoming from Institute organizations, namely the Combined Professional Societies, the Combined Musical Clubs, and the Debating Society. All requests for money, however, were referred to the Budget Committee of the Institute Committee for study.

C.P.S. Presents Program

The Combined Professional Societies, which had been ordered to submit a program for the year, presented their program, consisting of the following: Speakers are to be sought for the year to deliver lectures similar to that delivered by Dr. Perrine on Tuesday; all member societies are to be required to post their individual programs in the C.P.S. office; a request for an appropriation was recommended; mention that a more inten-

(Continued on page 4)

Inst. Comm.

Radio Society Presents Prof. Edgerton's Movies

Professor Harold E. Edgerton, of Electrical Engineering department, well-known for his high-speed movies, gave a "show" at the Radio Society Meeting last night. The professor showed a reel that he had made this summer, and several dozen high-speed "stills".

The society announced that a short wave receiver had been donated to the group by a "friend of the Institute." Membership in the Army Amateur Radio System is contemplated by the society; any members of the A.A.R.S. who are not members of the society, are invited to participate in this activity.

A.S.M.E. Planning Trip To Edison's New Station

Starting their plant inspections trips for the year next Saturday, the Technology branch of the A.S.M.E. will visit the South Boston plant of the Edison Electric Illuminating Company. This plant provides a large part of the power used in Boston and is one of the largest in New England.

A blank is posted opposite Room 3-270 for those who wish to sign up for the trip. The group will leave from the Main Lobby at 9:30 Saturday morning.

Institute Enters Debating League Again This Year

Society Has Twice Captured First Place In League Conferences

After opening its season October 6th with a debate with Radcliffe, the Tech Debating Society, has announced that it will compete again this year in the Eastern Intercollegiate Debate League. Members of the League include, besides Technology, Bates, Bowdoin, Bucknell, Colgate, Lafayette, Skidmore, Pembroke, and Wesleyan.

The Institute debating team has won the conference award for the past ten years.

The league is divided into three groups of 3 teams each. One question is to be debated by each group.

The three questions to be debated are: (1) "Resolved: That the Ludlow Amendment be Adopted", (2) "Resolved: That The United States Cease Spending Public Funds for the Purpose of Stimulating Business", and (3) "Resolved: That the Plan of Socializing Medicine be Adopted, Making Available to All, Complete Medical Care at Public Expense."

Peter M. Bernays, '39, is president of the Eastern Intercollegiate Debating League this year.

Huntress Is To Address Chem Society Wednesday

The Chemical Society will hold its first meeting next Wednesday, the 26th, at 8 P.M. in Room 6-120. The gathering will be addressed by Professor Ernest H. Huntress of the Chemistry department.

Invitations have been sent to all freshmen and sophomore members of the Chemistry courses. Refreshments are to be served in the Moore Room after the meeting.

New Architectural Library Has Many Improvements in Design and Facilities

Latest in equipment and functional in design—such is the new Architectural Library on the second floor of Building 7. Not only does it hold 10,000 volumes of books, but also 50,000 mounted photographs, 20,000 lantern slides, and 15,000 clippings of current periodicals, besides portfolios relating to Architecture and its allied arts.

Decorating Outstanding

The furnishing and decorating of the library are in themselves outstanding features. Done in "greyed-down" terra-cotta red, the supporting pillars, which run through the room, furnish a light and cheery, yet restful and quiet air. The tables have oriental blue linoleum tops, and the chairs are covered with terra-cotta red fabricoid covers.

However, what really hits the visitor's eye when he enters, is the use of aluminum throughout the rooms. Stools near the charging desk are made of that metal and consequently are very light and easy to move about.

Perrine Talks On Telephony

Demonstration And Lecture Attract 500 Students To 10-250

"Until you can measure, you do not know," a quotation from Lord Kelvin, was the theme of the demonstration-lecture given by Dr. J. O. Perrine of the Bell telephone laboratories, Tuesday afternoon in Room 10-250. This lecture, sponsored by the Combined Professional Societies, stressed the rapid advances that have been made in enlarging the "information quotient" conveyed by telephony.

The lecturer was introduced by Professor E. L. Bowles, who made note of the fact that the first developments of the telephone were made by Alexander Graham Bell in this vicinity.

After explaining the topic of his lecture, Dr. Perrine played orchestral and vocal music transcribed through the high-fidelity amplifiers and compound loudspeakers.

In recent years, Dr. Perrine stated to an audience of about 500, that the difference in frequencies conveyed by telephone equipment has been greatly widened. This widening is what has increased the quality of telephone transmission.

Explains Frequencies

He explained that a tiny amount of energy was used during the process, but that large frequencies and fre-

Perrine Lecture (Continued on page 4)

Dormitory Juniors To Dance Tonight

Music For 2nd Annual Affair Will Be Supplied By Phonograph

The second annual dance for the members of the class of 1940 who live in the dormitories will be held this evening at 8:00 in the North Hall of Walker Memorial.

Head of the arrangements committee for the affair is Reeve C. Morehouse, '40. Professor Raymond D. Douglass of the Department of Mathematics will be chaperone.

Music will be furnished by the recordings of Richard H. Braunlich, '40. Among his records are those of Benny Goodman, Tommy Dorsey, and other outstanding band leaders of the country.

Purpose of this dance, which was begun last year, is to bring the dorm members of the Class of 1940 closer to each other. Admission is 50c. per couple.

Metal trim, such as the light fixtures and rollers on the outside of the cases, are finished in aluminum. In fact, even the clock over the main door has a dark background with aluminum numerals and hands.

Noises Deadened

To prevent excess noise for those who wish to study, the ceiling has been soundproofed. The floor also has a rubber tile on it, which not only deadens steps and chair-scraping, but also does not show footmarks.

Boles Room

At the far end of the library is the Frank Walter Boles Memorial Room, which is maintained by the Boles fund. In it are most of the mounted photographs that the library contains. Around the walls of this room are exhibition cases for the mounting of portfolio material which is kept in the Boles cupboards to be periodically put on display.

(Continued on Page 2) Library

Second Freshman Rally To Be Held On Monday

The second freshman rally of the year will be held on Monday, October 24, at five o'clock in room 10-250. Speakers will be Professor Harold A. Schaefer and track coach Oscar R. Hedlund, who will attempt to rouse the freshmen to fighting spirit in hope of seeing them defeat their arch-rivals, the Sophomores. The principles and significance of the glove fight will be explained, and advice on the strategy necessary to win Field Day will be given.

Military Society Elects New Blood Wednesday Night

Manning C. Morrill Directs Election Of Twenty-Three To Membership

New blood was accepted into the Scabbard and Blade Society, the honorary military organization, at a meeting held Wednesday night. As an innovation, nineteen Juniors were inducted. This is a new policy of this year's administration; the purpose is solely to prepare a competent Junior Class membership so that a transfer of office will be adequately effected in the spring.

The members, elected under the supervision of Manning C. Morrill, '39, chairman of the Membership Committee, were:

From the class of 1939, Robert M. Alexander, George Beesley, Robert A. Stone; from the class of 1940, Paul V. Bollerman, George E. Brandon, Graham Brush, Jr., Delos B. Churchill, Valentine DeV. de Olloqui, Walter Farrell, Robert G. Fife, Charles S. Godfrey, William H. Hagenbuch, Alan Hill, John H. Holloman, Winfield H. James, John P. McEvoy, David A. Morganthaler, John W. Read, Philip A. Stoddard, Wesley J. Van Seiver, George R. Weinbrenner, William R. White.

Initiation week, set for first week in November, is to be conducted by Program and Initiation Committee Chairman Harold Seykota, '39.

Alpha Phi Omega Holds Meeting Wednesday Eve

Alpha Phi Omega, Technology chapter of the national honorary scouting fraternity, will begin its third year next Wednesday evening, October 26th, at eight o'clock in the East Lounge of Walker Memorial, with a meeting at which Oscar Hedlund is to be the main speaker. His subject will be "The Four-Minute Mile."

During the past three years the organization has sponsored three different local scout troops. This sponsorship has been a part of the chapter's program which includes, besides scout work, services to the school and community.

37% of Frosh Were Scouts

According to a recent survey, thirty-seven per cent of this year's entering class have been scouts during their pre-college years. Thus far, one hundred and twelve members of the freshman class have indicated a desire to remain active in scout work while at Tech.

Advance announcement advises that ample opportunity for scout service work will be available to new men, as several requests for assistance have already been received. The group has planned several week-end hikes and trips for its members during the coming season.

Freshmen Invited to Attend

Although freshmen are not to be formally greeted by the chapter until November ninth, prospective members are invited to attend this first meeting next Wednesday.

Compton Sees Change Needed In Course IV

Report Suggests Addition Of More Science To Course

COOPERATIVE PRAISED

Extensive changes in the Institute's course in Architecture were recommended by President Karl T. Compton in his annual report to the Corporation, it was announced last night.

He mentioned the increasing importance of science and engineering in modern architecture and suggested that future architects receive training in technical subjects as well as in design.

Urges More Cooperative Courses

Dr. Compton further recommended the extension of cooperative and honors courses to other fields. The success of cooperative courses in electrical and mechanical engineering, he said, suggested the establishment of similar cooperative arrangements in such fields as industrial chemistry, metallurgy and automotive and aeronautical engineering.

In reporting on possible changes in architectural education, the President said, "The central theme of all good architecture is design, which provides

Compton's Report

(Continued on page 4)

Seykota to Head Dance Committee

I.F.C. Selects New Chairman And Hears Full Report On Finances

Unopposed and on a one-eye ballot, Harold R. Seykota, '39, was elected chairman of the Interfraternity Conference Dance Committee last night at the meeting which the I.F.C. held in the Faculty Dining Room of Walker Memorial. He will be at liberty to select his own committee subject to the approval of the executive committee of the I.F.C.

At the same meeting Maynard K. Drury, '39, was elected as secretary of the Conference to replace Robertson Youngquist, '39, who did not return to the Institute this semester.

Financial Report Made

David T. Morganthaler, '40, treasurer, presented the long awaited report on the financial status of the I.F.C., a report which has not been issued since last year's I.F.C. Weekend. The figures showed a cash balance of \$261.43 which was opposed by liabilities totaling \$338.30, leaving a deficit of \$76.87. Of these liabilities \$300 is in the form of a loan from the Institute Committee and must be repaid before the Conference may conduct any major activities.

(Continued on page 4)

I.F.C. Meeting

5:15 Club Holds Smoker For All Members Tonight

At the semi-annual smoker for members of the 5:15 Club tonight, Professor Albert A. Schaefer of the Business and Engineering Department will be the speaker and Major Harold A. Nisley of the Military Science Department will show pictures taken at the Ordnance R.O.T.C. Camp at the army's chief proving ground in Aberdeen, Maryland. The pictures will show tanks, explosions, and big gun fire as well as R.O.T.C. activities.

The annual report to members will be made by the officers to the two hundred members expected. Following the business meeting, refreshments and smokes will be served. The meeting will be held at 5:15 in the Club-room.

The Tech

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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VICTROLA ROOM

IN WALKER

No doubt the Faculty should have some connection with the student body, and some room that they can use near the student gathering places, but there are several other conflicting issues. At present Walker Memorial has a large and complete library of records and an excellent phonograph for playing them, but no place to use them without disturbing people in other parts of the building. The Faculty, at the same time, have a large room that might easily be used for music without bothering meetings going on in other rooms.

We don't propose throwing the Faculty out entirely, but we do think that they might easily find some room in the Graduate Dormitories where they would not be usurping the meagre space that is available here in Walker Memorial. There are distinct advantages to a room in this building, but there is little reason why the Faculty cannot have some of their chats on the balcony over the main floor where signs now suggest that students do their studying.

NO MUN, NO FUN

MUSICAL CLUBS

Among the activities who asked for financial support for the coming year was the Combined Musical Societies. They have recently risen to a prominence which was scarcely imagined several years ago when they were struggling practically without any sympathy from the rest of Technology. Like a rolling snow-ball they have improved their music, obtained more prestige, and attracted more talented men.

Although their budget, which requires a grant of \$485, may seem to be large to some, there is a very large group who will benefit directly; aside from the fact that this is one the inter-collegiate activities in which the Institute can be a leader with the correct support.

The attitude of some students may be that music is all right for those who happen to like it, but these are probably men who have not learned from experience that singing is a virile activity that requires strength and energy as well as accuracy and coordination. Financing this enterprise will not be a mistake, but should bring a great deal of enjoyment to a large number of people.

ACTION AT LAST

BY THE C.P.S.

We were much pleased by the results obtained by the Combined Professional Societies in the lecture they sponsored Tuesday afternoon. The numbers that attended bore out our contention that they have a definite duty to fulfill here in Technology life.

The program that they presented at the Institute Committee meeting yesterday, although it needs a great deal of work on it before it will be a calendar of events, was encouraging. If their modest requests are granted, as they should be, the students should soon have the advantage of an enormous fund of information that can only be presented by the men who are intimately associated with it.

Although a long time was consumed in obtaining approval for their plan, we feel sure that the Committee is not opposed to their system for action, but just a little fearful that they might commit themselves to financial support without due consideration of their own resources.

HOW ABOUT

SOME ORIGINAL IDEAS

With Field Day coming on at a rapid pace, there will be an increased tendency for Sophomores and freshmen to clash. Although this is a traditional practice and considered a sign of healthy class spirit, there are definite limits to which this should run. Even though some of the older classmen may consider that the restrictions bind the activities too much, there has been sound judgment on the question in the past and the Institute Committee rulings should be observed.

Several years ago it was the practice for one class to kidnap members of the other class and leave them far from home to find their way back late at night. This was thrown out by the Institute Committee, and rigid penalties were set up for those who broke the ruling. Although this action was not to affect fraternity hazing of freshmen, it is desirable that they limit such activity strictly to their own grouping and keep from having their pranks publicized along with regular freshman Sophomore conflicts.

Field Day clashes are seriously limited both by actual rulings and gentlemanly consideration of the position of the Institute; but the ingenuity that we believe the classes have should bring forth new and more amusing stunts without destruction of property or of respect.

OPEN LETTER

TO SCOUTERS IN TECHNOLOGY:

The Technology chapter of Alpha Phi Omega, National Honorary Scouting Fraternity, has just received a request for help in a troop which meets every Friday night in Waverley, Mass. The troop, sponsored by the Waverley Parent-Teachers Association, is under the direction of a young scoutmaster who is making a fine effort but is rather seriously handicapped by a need for older leaders. Mr. Robert E. Cheney, of the Mechanical Engineering Department, and Mr. Walter C. Eberhard, of the Drawing Department, are both serving on the troop committee. Even though it may be impossible for a Tech student to attend every meeting, it might be possible to work out a system whereby a student could spend one or two nights per month with the troop. There is also a possibility that some commuters from Waverley might be interested in taking this opportunity to do boys' work as an extra-curricular activity.

The troop itself is made up of about twenty boys, all from fine families. The troop committee is anxious and willing to help but, unless more leaders can be found, the entire troop will be disbanded. It seems that there should be at least two or more Tech men out of the large student body who could find time to spend a few hours per month to help these boys. Perhaps a group of students could work out a system by which each one spends one night per month with the troop, thus relieving the burden from any one student.

If there are any men who feel that they might be able to help, please get in touch with Mr. Cheney, Room 3-236, or with William Willard, 314 Memorial Drive, Cambridge—telephone Eliot 9809.

Let's go now—certainly there should be a few men in Technology who can help us and in turn give aid to the Waverley scouts.

WILLIAM R. WILLARD,
 President Alpha Phi Omega

Library

(Continued from page 1)

New Conveniences

Throughout the library are numerous ideas, which, though the visitor may not realize it, make the use of the stacks and equipment much more convenient. For example, instead of the usual high catalogue, the one in the Architectural Library has been widened so as to bring all the drawers within a convenient height. This catalogue is also of the two-way type, which means that not only the public from one side, but also the librarian, in the room behind it, can use it from their side. Other unnoticed conveniences which might be mentioned are the lower charging desk, which makes for better illumination, the rollers on the shelves for easier placing of heavy and large books, and the concealed radiators.

Another little item is the new type magazine rack in which the current numbers rest on a shelf which is hinged in a vertical position. The shelf is then swung forward revealing the back numbers behind it.

Library Staff

There are four people on the staff of the new library. Miss Florence W. Stiles, '22 is the librarian and an assistant in architecture. It was also Miss Stiles who, being a graduate of the Institute's School of Architecture, greatly influenced the design of the library. Assistant librarian in charge of slides is Mrs. Margaret Vignoles, '22, with Ross McKeever, M. A. '36, as assistant librarian in City Planning and Housing and Miss Camilla Auditore as assistant in the library.

Prof. Horton Addresses Physical Society Meeting

Professor Horton of the Physics department discussed the relation of physics to biology before a meeting of the Physical Society, Wednesday in Room 6-251.

During his talk, Professor Horton gave examples of instruments and devices for which biologists are indebted to physicists—the microscope and the vacuum tube-amplifier. An instrument also mentioned by Professor Horton is an exceptionally sensitive galvanometer, devised by a biologist to measure body currents when ordinary galvanometers proved inadequate.

The meeting was concluded by a heated discussion as to whether a representative of the Society should be sent to the Technology Peace Federation. It was finally decided to send such a representative.

Soccer

(Continued from page 3)

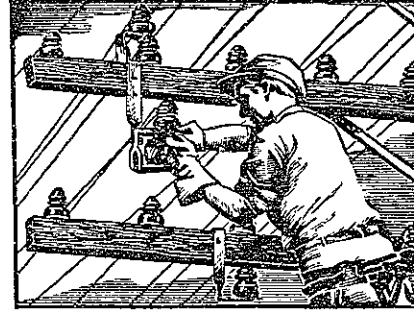
a varsity game with the American International College at two o'clock Saturday afternoon and also in Cambridge. It is felt that the Tech varsity team has a good chance of winning, although Alex Laker, one of the star players, hurt his knee in the last game and may not be able to play.

Laker Changed to Fullback

Alex Laker, who has been playing center forward, played the fullback position so well in the game with Springfield that the coach has decided that this is where he really belongs. This change is expected to greatly strengthen the team, as up to now the fullback position has been quite weak.

RIGHT OR WRONG?

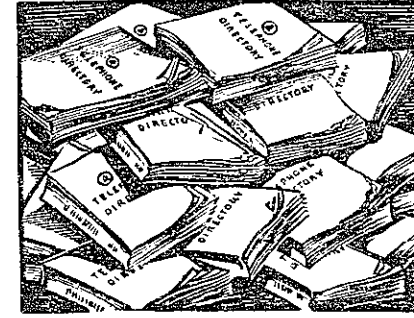
A 2-minute test for telephone users



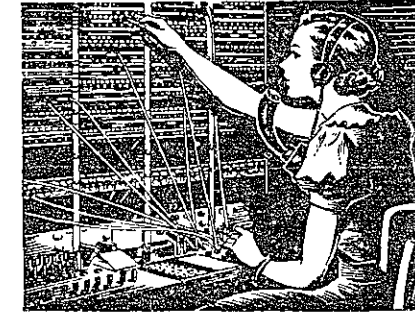
1. The current used to transmit the voice by telephone is the most delicate current in common use.
RIGHT **WRONG**



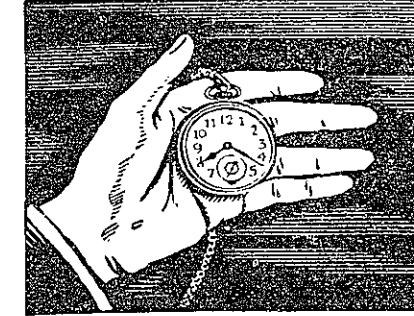
2. Wire in use in the Bell System would go around the world more than 3000 times.
RIGHT **WRONG**



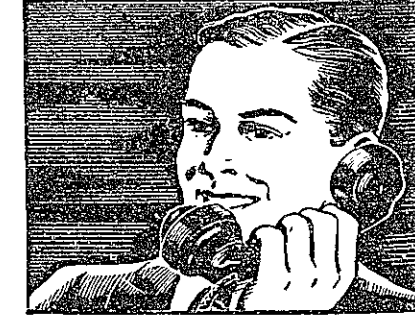
3. Old telephone directories are collected in order to sell them for waste paper.
RIGHT **WRONG**



4. Any Bell telephone can be connected with more than 90% of the world's telephones.
RIGHT **WRONG**



5. The average time for making long distance telephone connections is 3 minutes.
RIGHT **WRONG**



6. Low rates for out-of-town calls to most points are available after 7 P. M. and all day Sunday.
RIGHT **WRONG**

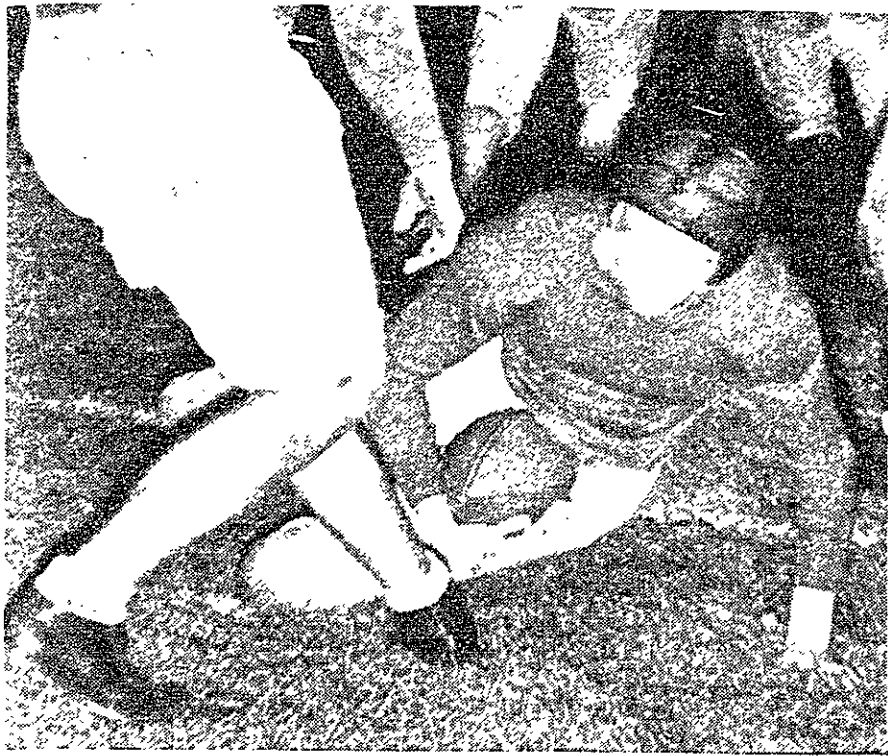
ANSWERS... DON'T LOOK NOW!

- RIGHT.** It is so delicate that Dr. Bell once talked through the bodies of six college professors hooked up as part of the circuit.
- RIGHT.** It would go around the world more than 3200 times.
- WRONG.** Many changes in telephone numbers are constantly being made. Old books are collected to eliminate sources of wrong information.
- RIGHT.** You can talk to some 70 foreign countries and a score of those at sea—93% of the world's telephones.
- WRONG.** The average is 1½ minutes.
- RIGHT.** Why not telephone home tonight?



BELL TELEPHONE SYSTEM

HOW IT'S DONE



The one and only score of the game between the Institute frosh Field Day team and the Harvard "B" team. A Crimson man fumbled on the goal line, and a Tech man fell on the ball to score for the Institute frosh in the last seconds of the game.

Tech Frosh Trim Crimson Gridmen

Beaver Powerhouse Piles Up 6-0 Victory; Good Fight Looms For '41

Crashing through an opposing team standing on its own goal line, a fighting bunch of frosh jarred a Harvard passer into a fumble which was fallen on by a Tech man to give the Institute freshmen football team a 6-0 victory in the last forty-five seconds of the game with the Harvard freshmen "B" team. The game, a preliminary scrimmage in preparation for the Field Day struggle, was held on Tech Field Wednesday afternoon.

Game Showed Frosh Line Power

The game was shot with evidence of the Tech team's strength in the line, which in turn shot the Harvard line full of holes. Harvard runners were smeared for losses repeatedly. To make things look even worse for the Sophs, the frosh backfield too showed up as a handy little package of dynamite. Long passes sailed over

the Harvard team several times, and the punting of John Arnold rescued the Tech team from disaster at the hands of the Crimson.

Harvard Pushed Back on Heels

From the first quarter on, play was mostly in midfield or in Harvard territory. Good, straight, razzle-dazzleless football was predominant during that first quarter.

In the first part of the second period, the Techmen lost ground in a punting duel owing to the late arrival of John Arnold, ace frosh kicker. However, long runbacks of Harvard punts by Charly Dodson kept the Engineers on about even terms. Once they were forced back to their seventeen yard line, but the pressure was removed by a booming Arnold punt to midfield.

Score Made on Fumble

At this point, a fumble was made by the Crimson men, and Tech recovered about midfield. From there, they penetrated deep into the Harvard backyard on a long pass from Arnold to Sibley; but lost the ball on downs about two and a half minutes from the end of the game.

Nautical Team In Meet Sunday

Harvard And Dartmouth Sail Tech Team On Charles This Sunday

Tech's nautical men will sail against teams from Harvard and Dartmouth at a triangle meet on the Charles this Sunday.

The strong Tech team which will battle the "Big Green and the Crimson" is composed of E. Eric Olson, Runyon Colie, Edgar W. Adams, Jr., Herman H. Hanson, with John A. Beaujean as alternate.

All of the men are experienced sailors and have qualified for the finals of the sailing competition for the Robert W. Vose Cup. The other men to qualify for the finals of this cup are Franklin S. Atwater, Granville E. Carleton, John Chatten, Deleven B. Downer, Jr., Franklin W. Kolk, D. Lewis, William E. Lifson, Walter F. Schuchard and A. William Welch.

While the undergraduates are sailing as host to Harvard and Dartmouth, the graduates will be the host of the Charles River Yacht Club. The team chosen to sail in this meet is composed of Heggie, Ingersoll, Kolu-paw, Lukens, Rosenthal and Wood.

Touch Football Well Under Way

Beaver Key Touch Football Tourney In Second Round Battle

Setting a record for intra-Institute tournaments, Jim Rumsey, chairman of the Beaver Key Touch Football Tournament, announced today that not only was the entire first round of the tourney finished on time.

Second round games must be played by this Monday, October 24; but since there are only eight games to be played, prospect of the round being played on time are excellent. The games yet to be played are:

Sigma Chi vs. Phi Gamma; Bemis vs. Goodale; Phi Beta vs. Alpha Tau Omega; Sigma Alpha Mu vs. Sigma Alpha Epsilon; Kappa Sigma vs. Crafts; Sigma Nu vs. Beta Theta Pi; Phi Mu Delta vs. Phi Sigma Kappa; Monroe vs. Runkel.

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SPECIAL GROUP RATES

Tech Harriers To Meet Yale

New Haven Race Saturday; Freshmen Meet Quincy This Afternoon

Yale will play host to Tech tomorrow as the varsity cross country squad travels to New Haven to run against the Eli harriers. Meanwhile, the freshmen are scheduled to open their season with a race against Quincy High School this afternoon.

Ed Lemanski Still Out

Except for the substitution of Olaf Rustard, '40, for Chet Ross, '39, the same team that defeated Massachusetts State last Saturday will compete for Tech. Ed Lemanski, number one Tech man in the Connecticut State meet October 8th, is still out with a bad heel. Those making the trip to New Haven include: one Senior, Parks Toolin; two Juniors: Captain Dan Crosby and Olaf Rustard; and four Sophomores: Stanley Backer, Lester Gott, Larry Turnock, and Jack Wallace.

The freshman squad will be running their first race of the year as they meet Quincy at 3:30 this afternoon on the Franklin Park course. Ten men are to run: Brady, Brown, Colepaugh, Gow, Hopewell, King, Rosenthal, Schaffer, Strong, and Warren. If they win, they will be defeating a team that already has two victories in its favor.

Second Handicap Meet at Home

Trackmen left at home Saturday will participate in the second handicap meet of the year on Tech Field.

Tuesday Noon Dead-line For Track Substitution

Deadline for freshman substitution of track for regular physical training is 12 noon this Tuesday, October 25th. Already sixty men, or about one tenth of the entire freshman class have signed up for the sport.

However, last year over one hundred members of the Class of 1941 substituted track to produce a winning Field Day relay team and an undefeated outdoor freshman track squad. Present first year men who intend to take track in place of PT1 calisthenics must see Mr. McCarthy in Walker Memorial before the deadline.

Tryouts For Rifle Team Start Monday Afternoon

With all but two of last year's championship team returning this year, the Technology rifle team will start its practice next Monday afternoon at two o'clock on the Institute range. At that time tryouts will be held for new men, several of whom will be vitally needed by this year's sharpshooters.

Practice sessions are held from two to five on Monday, Tuesday, and Friday afternoons and from nine to one on Saturday mornings. Later in the

(Continued on page 4)
Rifle Team

HALL OF FAME

Our cross country team with two victories already tucked away and chasing after more owes a great deal to its captain, Edward Dan Crosby of Glenridge, New Jersey. Such being the case let us examine the subject of this article.

Dan Crosby's birth in the windy month of March probably accounts for his keen interest in racing cross-country as a gust of wind might sweep across open fields. He is six feet one inch tall and is built for speed rather than for comfort. Mr. Crosby of the class of 1940 is above all modest. He claims no distinct honor in the cross-country field but attributes all fame to the team as a whole. This spirit of team work without stars shows not only an excellent characteristic of modesty but also the essentials of a good leader. Dan also attributes his fame to Coach Oscar Hedlund, who, as this runner claims, is responsible for his good form.



Dan Crosby '40

Tech received this excellent track and cross country man from Glenridge High School where besides running the mile he played as a substitute on the varsity basketball team. He was also Art Editor of his senior class book.

Dan Crosby came to Tech "naturally". His father, Gorham Crosby, graduated from M.I.T. in 1905. In addition, his brother, G. Kingman Crosby, was a member of the class of 1934. His brother was also a track man and among his many achievements here at Technology was membership in various honorary societies and the Chairmanship of the Dormitory Committee.

Besides keeping up in his studies Dan Crosby has managed to be one of the few track men who has lasted through injury and school failures to remain on the team. In his Freshman year he received four sets of numerals for different track and cross-country events. Last year, as a Sophomore, he ran in all the cross-country contests and at the end of the season he had the best record of all those men out for this gruelling sport. He has earned "aTa" and "cTe" athletic awards while in his second year. He also won a cup for first place in the mile run in the Spring Interclass Meet open to all Technology. He finished third in this event in his first year at Tech. Last year he ranked sixteenth among the eighty-seven leading New England cross-country runners.

When Dan runs in one of his long races he looks dead tired thus deceiving and fooling many of his opponents as he sprints ahead of them.

Dan Crosby besides "brown-bagging" when the situation warrants it and going out for track, was a member of the Dormitory Dance Committee. He is a member of the Track Club, an honorary organization. As his name might suggest he has his musical interests which are trap drums.

We are proud to add Edward Dan Crosby to MASSACHUSETTS INSTITUTE OF TECHNOLOGY SPORT'S HALL OF FAME.

Wellesley Girl Is Coxswain of Crew

Phi Gam Crew Hides Female Coxswain From Reporters At Secret Drill

Envy of uninformed at the Institute yesterday was the Number Five man on the Phi Gam crew whose engagement to a beautiful Wellesley blonde was announced in the Boston papers. No names were mentioned because no one was expecting the story less than Number Five man who is a freshman and who, presumably has seen the Phi Gam Wellesley coxswain only at half a shell's distance. Informed sources say that the real fiance is a senior in the house and is not allowed in the boat.

Grounds for the Boston story was the disgruntlement of the Boston paper men who failed to get a story and pictures of the new nautical quarterback. They spotted the freshman in the crew and finding that he was newest of the Phi Gam's decided to fix him up with someone nice.

The reporters appeared at the crew
(Continued on page 4)
Fraternity Crew

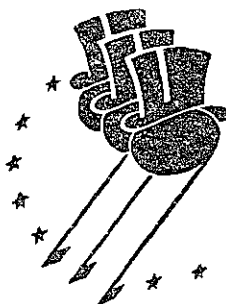
Game Is Scheduled For Both Of Soccer Teams

With two games on schedule for the week-end, the M.I.T. Soccer Teams will be kept busy. The first is a freshman game with Bradford Durfee Textile School at ten o'clock Saturday morning in Cambridge. The second is

(Continued on Page 2)
Soccer

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CALENDAR

FRIDAY, OCTOBER 21

- 12:30 P.M. Professor Fuller Luncheon—Grill Room.
- 1:00 P.M. Placement Luncheon—Silver Room.
- 3:30 P.M. Cross Country Meet, Frosh vs. Quincy—Franklin Field.
- 4:00 P.M. Sophomore Committee Meeting—East Lounge.
- 5:00 P.M. Menorah Society Smoker and Meeting—North Hall.
- 6:00 P.M. 5:15 Club Smoker—5:15 Room.
- 6:45 P.M. Sponsorship Group Luncheon—Silver Room.
- 7:30 P.M. Chi Epsilon Society Smoker—Faculty Dining Room.
- 9:00 P.M. Class of '40-Dorm Dance—North Hall.

SATURDAY, OCTOBER 22

- 10:00 A.M. Soccer Game, Frosh vs. Bradford Durfee Textile School—Coop Field.
- 11:00 A.M. Cross Country Meet, Varsity vs. Yale—New Haven.
- 2:30 P.M. Soccer Game, Varsity vs. American International College—Coop Field.

SUNDAY, OCTOBER 23

- 10:00 A.M. Dinghy Meet, M.I.T., Dartmouth, and Harvard—Charles River.

MONDAY, OCTOBER 24

- 2:00 P.M. A.I.E.E. Plant Trip to Lever Bros.
- 5:00 P.M. Frosh Rally—10-250.

Compton's Report

(Continued from page 1)

for the efficient functioning of the building in a manner which is artistically pleasing and technically appropriate. Modern development of new building materials and methods, combined with social and economic pressures, is creating new demands upon the architect and presenting new opportunities for him. While the central theme remains unchanged, the techniques of its application must continually adapt themselves to the evolution of the technical and social environment."

Emphasizes Importance of Engineering

Dr. Compton emphasized the importance to architects of related studies in the fields of science and engineering in which he sees a wealth of opportunity to secure instruction, criticism, or advice. As an example of these possibilities, he cited the fact that now that the Institute's School of Architecture has moved to its new building in Cambridge, it is surrounded by resources of knowledge and research on building engineering, heating, ventilating, air conditioning, housing, civil engineering, materials, public health, acoustical and illumination engineering, and the broad resources of the department of Economics and Social Science, all of which are related fields with which every practicing architect must deal at one time or another in his professional activities.

"It seems clear to me," Dr. Compton reported, "that the great opportunity now open to us, as to no other school in the field of architectural education, lies in a course of training which retains the fundamental theme of design and at the same time gives the student some knowledge and discipline in these related features of a modern structure which are requiring more and more consideration by architects. There should be aggregate field for young architects who, in addition to competent training in design, have first-hand knowledge of building materials and structural methods adapted to economy and other practical requirements even though the technical details may be left to subsidiary specialists. I therefore recommend that we proceed to capitalize and coordinate as effectively as possible our existing strong educational programs in design and in the various technical aspects in construction and equipment of buildings."

Correction

Graham M. Richardson, G, was listed last week as a pledge for Alpha Tau Omega. The name should have been T. W. Gilmer Richardson.

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Reviews and Previews

YANKEE FABLE—This new comedy, written by Lewis Meltzer, and produced by Cheryl Crawford, stars Miss Ina Claire in the role of Mrs. Bleeker, saucy colonial matron whose wiles keep General Howe from the best discharge of his military duties. Miss Claire, frankly, seemed lost in a character that is rather feebly drawn. However, she is one of our finest comediennes and her brilliance and that of a competent cast succeeds in saving this piece, the first by the playwright to be reproduced. The dialogue, though ranging from the risqué to the patriotic somewhat uncertainly, is quite witty and entertaining.

R.T.W.

COPLEY—Direct from an eight month engagement in the Lafayette Theatre in Harlem, comes Haiti, Federal Theatre presentation of William Du Bois story of the historic island in the time of Jean Christophe. The play opens Monday evening.

SCOLLAY AND MODERN—The Lane Sisters in **Four Daughters** combines with **Campus Confessions**, with Betty Grable, in the current double feature program.

METROPOLITAN—If I Were King, romance based on the life of Francois Villon, starring Ronald Colman, Francis Dee and Basil Rathbone, has been retained here for another week as has its companion film, **Mysterious Mr. Moto**.

LOEW'S STATE AND ORPHEUM—**Too Hot to Handle**, featuring the team of Clark Gable and Myrna Loy has evidently proved hot enough for these theatres to handle for another week. The alternating film is **Girl's School**.

PARAMOUNT AND FENWAY—The new program here couples Pat O'Brien and Margaret Lindsay in **Garden of the Moon**, with **Girls on Probation**.

FINE ARTS—**Moonlight Sonata**, revealing the technique of Ignace Paderewski, master pianist, continues here in its sixth month. The installation of new sound equipment should enhance your enjoyment of the musical selections.

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Perrine Lecture

(Continued from page 1)

quency differences were used. Contact was then made with the Boston Telephone office, from which various frequencies generated by an oscillator were received. The lecturer declared that the frequencies were accurate to .0000001 frequency.

He then explained the vowel and consonant sounds, proving that vowels could be heard in a low-frequency loudspeaker while consonants could not, and vice versa for a high-frequency circuit. For this demonstration the high, low and middle frequency portions of the compound loudspeaker were alternately cut in and out. To demonstrate the effect of using only part of the speaker, he played orchestral and choral selections while cutting in and out the frequency components.

Telephone Methods Contrasted

A record was played illustrating telephone conditions in 1915 and 1920. Dr. Perrine then made contact with telephone engineers in New York and Chicago over modern telephone and radio transmission circuits.

The microphone was cut in at the same time as the Chicago and back circuit, so that the lecturer could demonstrate the time lag over a long circuit. With this double circuit a single echo was produced. When the circuits were crossed, a multiple echo was produced.

Dr. Perrine closed by admonishing his audience to remember the words of Victor Hugo: "The useful is as beautiful as the beautiful, and at times more so."

Inst. Comm.

(Continued from page 1)

sive program for the selection of the Stratton Prize Awards would be sought. The C.P.S. also requested a vote of confidence from the Institute Committee to restore, at least in part, the respect of the student body for the C.P.S. This vote was given.

The constitution of the Technology Peace Federation which had been committed at the last meeting, was tabled for further consideration.

Would Form New Committee

Near the close of the meeting, vice-president Grant made a suggestion that all request for money be made to a specific committee, which would have control of a definite fund, styled along the lines of the Athletic Fund, and would apportion funds subject to the approval of the committee.

A list of tardy members and absentees was not available last night.

Rifle Team

(Continued from page 3)

season one of these afternoon practices will be shifted to Wednesday evening so that the team can practice together as a unit.

Matches are planned with most of the large colleges in New England, while high points of the season will be the trips to Annapolis to shoot against the Navy and to New York to fire against New York University.

New men are urged to report to Sergeant McDonnell at the rifle range and receive instruction from him in the use of the rifle. All equipment is furnished free.

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Gym Dinner To Be Held Oct. 25 In Grill Room

Motion pictures will be shown at the gym dinner to be held in the Grill Room of Walker Memorial at 6:15 P.M. on Tuesday, Oct. 25, according to Graham T. Brush, Jr., '40. Everyone interested in reporting for gym team substitution is invited to attend the meeting.

The films were taken in the gym here at the Institute and at the Inter-collegiate Gym Meet held last year at the U. S. Naval Academy. Coach Herbert G. Farsill will explain the scenes to those reporting for the first time, and a general discussion of gym will follow.

I.F.C. Meeting

(Continued from page 1)

This deficit is being made up by imposing a \$10 assessment on each house and by collecting \$5 in dues from each house. This will bring in a total of \$360 and leave an operating balance of \$283.13 after all the liabilities are satisfied.

Robert B. Wooster, '39, was elected chairman for the next meeting.

Fraternity Crew

(Continued from page 3)

house Monday night just before dusk to watch the Wellesley and Tech forces launch, but a coxswain-less crew splashed in and pulled away for Boston. Suspecting that the rest of the crew was in Boston, the reporters rushed to the other side but the shore was bare since no one was there and all they had was a boner. Hurrying back to the boathouse, the reporters waited around until an hour later when the river frother-uppers foamed back still without a coxswain.

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The Summer Session extending from June to September includes most of the subjects given during the academic year.

For information about the methods of admission from secondary schools, communicate with the Director of Admissions.

Any of the following publications will be sent free upon request: Catalogue for the academic year
Summer Session Catalogue
Architectural Education—Undergraduate and Graduate
Educational Opportunities at the Massachusetts Institute of Technology