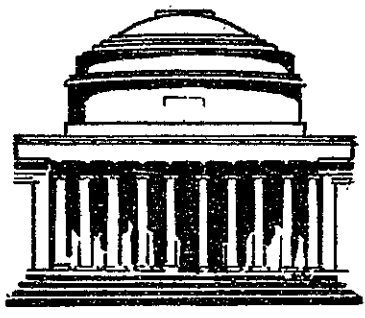


The Tech



Volume LVI, No. 41

CAMBRIDGE, MASS., FRIDAY, OCTOBER 30, 1936

Price Three Cents

SURVEY FAVORS AUDITORIUM

Sophomores Battle Freshmen Today

Editorial

THEATER-AUDITORIUM NEEDED MOST

WE need a gymnasium; we need a swimming pool; but most of all we need an auditorium.

Since the last issue, in which The Tech deferred the forming of an opinion on the gymnasium versus theater-auditorium argument, definite figures have been obtained upon which this conclusion is based.

If a gymnasium were built, the number of men which would make use of it, according to present enrollments on athletic teams, would be about 220. These teams include basketball, boxing, wrestling, fencing, and the gym team. On the other hand there are 320 students, also according to present enrollments, in Dramashop, Tech Union, Debating Club, and the Combined Musical Clubs which could make use of a theater-auditorium if one were built. Also there is the Tech Show with a potential membership of about 100, in the event that that activity is revived, which could make use of the theater for the better promotion of its musical comedies.

As we look at the financial side of the picture, we find that an average of about \$48,000 has been expended annually during the past five years for athletic facilities at the Institute. Before that for a much longer period a comparatively sizeable sum was spent each year the physical betterment of Technology students. In addition, during the last five years, capital investments of over \$112,000 have been made for the Barbour Field House, The Sailing Pavilion, Dinghies, and Improvements to the playing field west of Massachusetts Avenue.

(Continued from Page 2)

Surprise Attack Nets 500 Right Shoes For Sophs

Hedlund Predicts Upperclass Victory With Final Score 12-3

All Men Appearing On Program Invited To Attend A. A. Banquet

Freshmen and Sophomores go to battle this afternoon with the second year men favored to win. Last night freshmen raided the dormitories and removed all the pajamas they could find. Wednesday, the Sophomores took all the freshman shoes.

What with the goading effect of the shoe episode on the frosh spirit and Coach Oscar Hedlund's confident assertion that the Sophs have enough in them to carry Field Day by a 12-3 majority, a real battle may be expected today.

The general consensus of opinion has it that the frosh will carry the Glove Fight, through superior numbers, and will put up a stiff fight in the Relay. Although their crew is heavier than the Sophomore crew, (Continued on Page 4)

Field Day

Over \$360,000 Expended During Last Five Years On Athletics

Over \$360,000 have been spent during the last five years on athletics at the Institute while practically nothing has been spent on dramatics, debating, music, and other cultural activities, according to a survey completed yesterday by The Tech.

The investigation is being carried out in an effort to determine which of two buildings—a new gymnasium or an auditorium—should be a part of the \$12,000,000 expansion program endorsed recently by the Corporation of the Institute.

President Compton in his report before the Corporation suggested that a million dollars be a suitable sum to set aside for either one or the other of the two possible projects. He stated that he felt it impossible to plan for both the gymnasium and the addition to Walker Memorial at the same time.

From figures furnished by the Treasurer's office of the Institute, it was found that an average of about \$50,000 is being spent annually to further the athletic facilities of the Institute. In addition there have been capital investments of more than (Continued on Page 4)

Gym vs. Theater

Field Day Dance Will End Struggle Of Lower Classes

Sellout Predicted By Committee; Big Percent Of Tickets Already Sold

Decorations Indicative Of Strife

Sophomores and freshmen, Sophomore rooters and freshmen sympathizers will leave the remnants of their struggle on Tech Field today and tonight peace and goodfellowship will prevail once more when the music begins to play at the Field Day Dance in Walker.

As in former years, the Field Day Dance will be open alike to dormitory men, commuters, and fraternity men. Although a large percentage of the quota of tickets has been sold, tickets at \$2.00 per couple will be available at the door. Committee members, with the record of the overwhelming successes of past Field Day dances before them, are confident that a full quota of 300 couples will attend.

With the Field Day spirit as the (Continued on Page 6)

Field Day Dance

Roosevelt Favorite Of College Students In Nationwide Poll

Leads Landon In Popular Vote But Falls Behind In Electoral

With President Roosevelt establishing a final 3,269 lead over his republican opponent in the nationwide inter-collegiate poll conducted by the Daily Princetonian, and with Governor Landon capturing a majority of the electoral votes by a 32 margin, observers today could only scratch their heads and make no certain prophecies on the ultimate result of the race between the elephant and the donkey.

Of the total 80,598 votes cast in this survey of leading colleges, President Roosevelt received 38,977. Governor Landon, 35,708 and Norman Thomas 2,320. The communist candidate, Browder, followed closely his socialist opponent with a total of 2,143 votes and Lemke trailed along, a poor fifth, with 1,250 votes.

Governor Landon piled up a heavy vote in New England, leading the President by an almost 2 to 1 margin of 10,563 to 5638. In Massachusetts colleges his majority was 5118 to 3162, only one college, Radcliffe, giving Roosevelt a slight lead.

The vote for Roosevelt, as observers had expected, was heaviest in the South and the South-West, although many Southern and Southwestern states did not report. Governor Landon cut down the President's lead in (Continued on Page 4)

Princeton Poll

Recognition Asked By Peace Institute

Decision Awaits Approval By Executive Committee Of Constitution

Recognition of the Peace Institute was asked by the American Student Union at the Institute Committee meeting yesterday. Esther B. Garber, '38, speaking for the A. S. U., said that the organization was merely initiating a movement for general discussion on peace for the tenth of November, the day before Armistice.

Miss Garber claimed that it would be desirable for the Institute Committee to endorse this movement, explaining that Dr. Karl T. Compton had already given his hearty approval of the plan.

Discussion on this was extensive, but David McLellan, president of the Institute Committee decided that nothing could be done until the constitution of the organization was approved by the Executive Committee.

It was explained that the plans for the Peace Institute could be carried out under the auspices of another organization, but the use of the Institute's name could not be made by any unrecognized organization.

The following elections were ap- (Continued on Page 6)

Institute Committee

A. I. E. E. Smoker Sees High Speed Pictures

Professors Timbie and Edgerton Speakers At Meeting

Last Wednesday night, three hundred and fifty spectators witnessed the first public showing of the new high speed motion pictures, at the Smoker of the A. I. E. E. in Walker dining hall, Professors William T. Timbie and Harold E. Edgerton were the guest speakers.

Philip H. Peters, president of the local branch of the A. I. E. E. introduced Professor Timbie who spoke of the advantages that an electrical engineering student would possess if he were a member of the A. I. E. E. He (Continued on Page 4)

A. I. E. E. Meeting

200 Options Sold For Sophomore Hop

Sale Limited To 300 Options; Committees Discuss Preparations

Over 200 of the 300 options printed for the Sophomore Dance have been sold, it was announced at the Sophomore Dance Committee meeting held Wednesday at 8 o'clock in Walker Memorial.

The meeting, to discuss the preparations for the Sophomore Dance, was presided over by Harold R. Seykota, president of the class. Three reports were given, the first by Amos J. Shaler, '39, was on publicity. After the committee discussed the report, which included plans for a selling and publicity table, a sales report was given by Harold Chestnut, '39. He discussed the dispensation of the options. David S. Frankel, '39, gave a report on the question of chaperons.

The Sophomore Dance will be held on November 13 at the Hotel Continental. The Hudson-Delange orchestra will play. Tickets are \$2.75.

Alpha Phi Omega Has Its Initial Meeting

Season's Activities Include Tech Guide Service

The Technology chapter of Alpha Phi Omega, national honorary scouting fraternity, at a meeting held last Wednesday evening in the Grill Room of Walker Memorial, outlined its purposes and plans for the coming year.

The three speakers present all emphasized the necessity of carrying out the scout ideal of service to their fellow men. Vernon Lippitt, '38, the first to speak, outlined the season's program, and illustrated the ideal by a very touching poem. The program is to introduce a guide service to Technology, in order that visitors to the Institute may be shown around the school by a student guide. Besides planning several camping trips, the (Continued on Page 4)

Alpha Phi Omega

Sargent College Invites Sophs To Dance Saturday

The fair maid will soothe the wounded warrior fresh from the field of battle. Sargent, girls' school of physical education, cordially extends an invitation to the class of '39 to spend this evening at their school. The invitation includes entertainment and dancing all for one small quarter.

Data About Steam Is Subject Of New Book By Keenan And Keyes

Original Investigations Used In Compiling Tables On Water

The most complete compilation of data on steam yet assembled is "Thermodynamic Properties of Steam," by Joseph H. Keenan, Associate Professor of Mechanical Engineering, and Frederick G. Keyes, head of the Department of Chemistry. Professor Keyes is also Director of the Research Laboratory in Physical Chemistry.

The data on steam and other phases of water is the result of several years research both here and abroad. Large gaps in the previous experimental work have been filled in and the regions investigated have been extended. The tables in "Thermodynamic Properties of Steam" are completed from entirely new formulations of the properties of water. Most of the vapor data are taken from the Keyes equation of state, which yields a higher degree of consistency and precision than the graphic methods used in earlier tables.

In addition to the tables themselves, the book includes quite a complete sketch of the data sources and mode of correlation, together with an outline of the methods used to prepare the tables.

For the first time a table is presented which extends continuously from vapor to liquid states above the (Continued on Page 4)

Thermodynamics

Technology Review To Appear Today

Current Issue Contains Photos Of Siberian Eclipse; Expansion Plan

An account of the Harvard-M. I. T. solar expedition to Russia this summer, by Donald H. Menzel and Joseph C. Boyce who represented the Technology staff there, is the outstanding article in the current issue of the Technology Review which comes out today.

Several remarkable photographs of the eclipse appear in the story which tells of the expedition's pleasant relations with the Russians during its stay as well as the technical operations of recording data.

That electronics is the most active branch of electrical engineering at the present time is shown in an article by Donald G. Fink, '33. He says that the engineer is coming to "know the electron intimately."

"New Objectives for Technology" gives a complete story of the Corporation's approval of the \$12,500,000 expansion plan. The "Institute Gazette" covers a variety of timely articles of new problems and discoveries in the laboratories.

Four whole pages are taken up with pictures of yachts, schooners, their building operations and their derelicts.

All-Tech Golf Match To Be Held This Fall

A golf tournament open to all comers was announced at the mass meeting of the Institute's players Wednesday in Room 1-190.

The tournament, it was announced, will be 27 holes against par match play on the Oakley Country Club course between Saturday, October 31, and Sunday, November 8.

Entrants are still accepted. Those who have not already signed up for the matches and wish to do so may enter by signing up on the golf bulletin board in the Athletic Association office on the third floor of Walker.

The Tech



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Night Editor: J. Gerald Murphy, '39

EDITORIAL—(Continued from Page 1)

This makes a total of about \$350,000 which has been allotted to athletics during the last five years alone. This is not excessive. Everyone will agree that the Institute's athletic program is one which should be maintained at an even higher level than it is at the present time.

However, as modern scientists and engineers, as men who champion the cause of broader and better balanced education for all, we must not overlook the sad conditions under which amateur dramatics, for instance, must be conducted at the Institute.

Expenditures at the Institute for dramatics, debating, glee clubs, and orchestra take the form of allotments of between \$30 and \$100 now and then to the various activities.

It is fine to champion athletics but it is abominable to do so to the suppression of the cultural activities. Especially is this so when there is a larger potential group seeking the cultural betterment.

At any other college or university the question which now faces the Institute administration and students would never arise. It would be assumed that a large auditorium were a part of the working equipment of the school.

The auditorium may be used for the holding of large mass meetings, political rallies, and important lectures, outside of its use for dramatics and debating. Reasons for the difficulty which Tech Show and the Debating Clubs have had to keep up operations at the Institute may be traced largely to the lack of facilities for practice and absence of favorable conditions under which to make presentation.

In the proposed expansion of Institute's social center provision for a theater-auditorium must take precedence over all other projects. It is the greatest need of Technology.

Now it cannot be denied that there is a need for a gymnasium here at the Institute, and it cannot be denied that a swimming pool would be an improvement to the athletic facilities much to be desired. It is not impossible for these two projects to be included in the same program with the theatre-auditorium.

As far as can be ascertained, with but a little added to the proposed million dollars for enlargement of our social center, a gymnasium could be built adjacent to the Barbour Field House on the present site of the Hangar. The swimming pool could be placed in the basement of this gymnasium. The theater-auditorium could be included in a wing to Walker Memorial, as was originally planned in the building of Walker.

Thus we see that there are three distinct needs to the social and cultural betterment of future Technology students. One stands out with its urgency in front of the rest.

Let us consider. Let us be logical. Let us act accordingly.

FROSH MENACE
 SOMETHING MUST BE DONE

THIS year, for the first time since 1930 the freshmen are conceded a chance to win Field Day, the thirty-sixth in the history of Technology. Complete revision of the points allotted winners of the various events, formerly held accountable for Sophomore victories, has been made over to account for the greater experience of the Sophomores.

Rumor has it that if the freshmen win this Field Day the blow will be felt throughout the entire student body; upperclassmen will no longer be safe behind their wise, aloof manners and sophisticated pipes. One important personage has considered the possibility so dangerous that he has made the private announcement that the point system should be again revised in order that the freshmen may never, never win Field Day.

Of course, the fact of the Sophs winning cannot become a part of the question. In the final analysis the Sophomore is only a freshman who no longer wears a tie.

And speaking of ties, what ever happened to the Freshman Rules Committee which promised a tie on every freshman or a freshman in every pot of boiling oil? The wearing of the crimson and red until they win Field Day is false, fickle fable to the Class of 1940.

Now is the time for all good Sophomores to come to the aid of their betters, namely upperclassmen. We shall not be safe if the arrogant, sneering, tie-less frosh are to be permitted to romp fiercely and wantonly over the tradition built up over many, many years. Something ought to be done about this.

TRENDS
 NATIONAL COLLEGE POLL

WITH the publishing today of the results of the nation-wide, intercollegiate Princetonian poll, the political sentiments of some 80,000 young men and women—educated young men and women destined to be the leaders of tomorrow—are revealed to a rather indifferent world. To us, however, who participated in the poll, and for whom it indicates the aggregate opinion of our own associates, it bears special interest.

The results of the poll reveal no startling preferences, they portend no decisive events and intimate no violent revolution in political thought. They do, however, indicate several perhaps transitory trends whose significance will be apparent only in the future.

Four years ago during the fervent campaign of 1932, The Tech with 33 other colleges participated in a similar intercollegiate poll. In that poll, although Hoover emerged with a 14 to 9 lead over Roosevelt, the democratic candidate was overwhelmingly elected. Four years ago the Socialist vote was about twenty percent of the total vote cast; this year it is only about three. Four years ago the Communist polled only one percent of the total vote; this year their percentage has been increased threefold.

Whatever interpretation one may put on these trends or these tendencies, one cannot quarrel with their importance. Whether the decreasing Socialistic vote and increasing Communist vote indicate a shift of radical opinion to the militant, or whether Roosevelt's small majority in the poll this year in view of the overwhelming Hoover majority of the 1932 poll indicates a democratic victory on November 3 are matters, however, which are perhaps best left to individual interpretation. It is interesting to note, too, that Lemke, whose aims and platforms are undoubtedly demagogic is receiving only slightly more than one percent of the vote.

THOUGHT CONTROL
 JAPAN AND HERE

HAVE you a little wayward thought floating around in your head? If you have, hurry around to the nearest Thought Control Office and make sure that your intellectual effort is on the approved list.

Far-fetched? Impossible? Theoretically, while a government can control its citizens' speech, not even the most rigid dictatorship can determine their thoughts. But Western dictatorships can learn something from the Japanese, it seems.

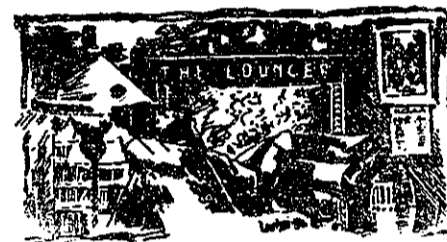
A news report in Time magazine says that Japan has established 22 Thought Control Offices in leading Japanese cities, with fifteen

other Thought Control Substations. It may seem unbelievable, but since 1928 some 60,000 Japanese have been arrested for "thinking Dangerous Thoughts." Somehow the idea intrigues us. What do the Japanese consider "Dangerous Thoughts"? Socialist and Communist ideas, no doubt, are included. But if one thinks a public official is earning more money than he should, is that a Dangerous Thought? If so, very many Americans would be guilty under such a law.

Or suppose some Japanese gets the idea that birth control would end his country's over-population problem? How high would that rate in the list of Dangerous Thoughts?

It's easy enough to poke fun at the Japanese, but even in America we have our own little Thought Controllers. Witness what happened in Tampa a few days ago, when a mob prevented Communist Earl Browder from speaking by upsetting the platform he was standing on. Or reflect the many self-appointed guardians of our morals and thoughts—Boston is particularly plagued for a large city.

The chief difference between our own would-be thought-controllers and the Japanese is that the Japanese are honest about what they are doing, and don't try to camouflage their purposes under high-sounding names.



Maturity:

Technology is Growing Up. For years we have watched the steady procession of Field Days, one after the other, and each one more sedate than the last. Or perhaps sedate is not quite the word for it, there is certainly enough spirit, but its manifestations take the form of increasingly higher grades of mental agility. The days when frosh and Soph would fight at the drop of a lower lip are long departed, the egg fight has reeled its scented way into the shadows of smells soon forgotten, kidnaping of the innocent and not so innocent has ended and though organized brigandage still maintains a state of circulatory possessions and saturated clothing, shoe leather has been noticeably longer of wear.

Last year's crude attempt to hold all of the dorm and frat frosh prisoners has been replaced by the more ingenious borrowing of all the right shoes of a large percentage of the frosh, leaving them their drill shoes. Quite as interesting a prank, we feel would have been to kidnap the drill shoes during a freshman dinner. Somehow the idea of half the freshman class turning out for drill with black shoes intrigues us. And it would only be one step more to acquire a goodly number of drill pants. The combination of military regalia from the waist up and civilian attire from the waist down would add a novel color effect to military maneuvers.

Coming back to the last year's kidnap attempt, we remember the Soph who was given five dollars to go out and get sandwiches for the prisoners. Returning with an armful of sandwiches he found the prisoners freed and gone and likewise their captors. Add predicament.

Retribution:

Certain revenge-bent frosh evened the score to some extent, however. The Sophomore class president awoke yesterday morning to find his room picked clean of clothes, keys and wallet. After much running here and there, during which he discovered the front door mat to be replaced by his 1939 numerated sweater, he managed to borrow enough covering to appear decently at Technology.

Cheer leaders:

This year begins what promises to be a New Deal for co-eds. There are still Juniors and Seniors who remember when a female apologized for being a Technology co-ed and furtively hoped to give the impression that she possessed feminine reactions nevertheless. But upperclass scoffers too will pass among the grads far scattered in their fields and the future co-ed will require far less backbone to hold her head up.

We venture that even the grizzled veterans of past Field Days will turn

Reviews and Previews

UPTOWN:—"Swing Time" with Fred Astaire and Ginger Rogers turns up again for the enjoyment of those of you who haven't yet had the opportunity to see this photoplay. Among the songs which have since become hits are "The Way You Look Tonight," and "A Fine Romance." Somehow we didn't feel that Jerome Kerns came up to the standard of his previous music. In the supporting cast are Victor Moore, Helen Broderick, Eric Blore, Betty Furness and Georges Metaxa. Co-feature is "Hearts in Bondage", a Civil War dramma with James Dunn and Mae Clarke. For what we believe is the first time on any screen the battle of the Monitor and the Merrimac is reenacted. David Manners and Charlotte Henry assist.

RKO Boston:—This fellow Russell Patterson who it seems has been collecting the originals of those magazine covers which college men sometimes collect presents his acquisitions on the RKO stage, in a production termed rather quaintly, "Living Models". On the screen is "The Girl on The Front Page". Sometimes we think that these theatre managers do things like that on purpose. Gloria Stuart and Edmund Lowe are the principals.

KEITH MEMORIAL:—Simone Simon, Janet Gaynor, Loretta Young, and Constance Bennett bare all in "Ladies in Love" with the air of Don Ameche, Paul Lukas, Tyrone Power, Jr., and Alan Mowbray. The picture is reputed to answer the question "How can a girl get married before she's asked." Attention co-eds!

MODERN:—"The Big Broadcast of 1937" with a multitude of stars, and "Seven Sinners" with Edmund Lowe and Constance Cummings, the latter a mystery-comedy-romance-also-wisecracking-modern dialogue, compose the program at the Modern. "Seven Sinners from the preview shots seems to be a super action drama also.

FINE ARTS:—"Soak the Rich" is a satirism on the type of student demonstration which Hawvud has made onerous to the Cambridge police. Finally a capitalist's daughter and the chief student radical fall in love in a very uneconomic manner and complicate matters no end. Short subjects include "The March of Time", "Through the Looking Glass" with Meekee Moose; Fox News, and a technicolor picturization of Mendelssohn's immortal composition.

METROPOLITAN:—"Valiant is the Word for Carrie" is the success story of a professionally unchaste female who proves to the satisfaction of the people who like that sort of thing besides other essentials, there beats a heart of gold in a woman—any woman. While Gladys George commits only the indiscretions of scotch and black lingerie before your eyes you are permitted to draw your own conclusions. Some opinions hold this to be a better than usual picture.

Blackstone the Magician performs with the aid of Applied Mechanics and Psychology mystifies and entertains... only not so much the former to Engineers. There is nothing like explaining a "baffling" illusion to the one and only to persuade her that Tech men Know Things.

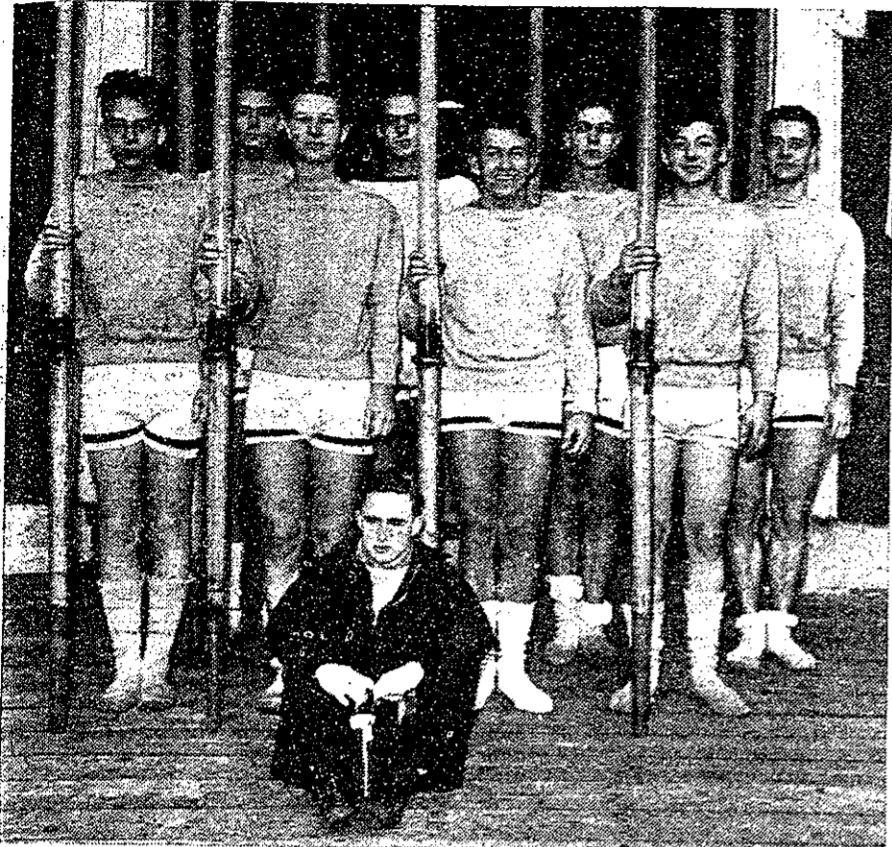
PARAMOUNT & FENWAY:—Swirley Temple plays in time honored swirly fas-chion in "Dimples" as reviewed here previously. Co-feature is a first run showing of "Rose Bowl", with William Frawley, Eleanor Whitney, Tom Brown, and many football players from many sources such as the N. U. Giants, University of Southern California, and movie stars.

out just to see what a co-ed looks like when she's emulating co-eds of more woman-infested institutions. We are even beginning to wonder ourselves if there really may be any elemental difference which produces in women of a certain type an overwhelming urge to go Technological.

Curiosity

For those whose insatiable curiosity worries them, Eddie Pung wishes to formally announce that the bench and carpet now decorating the center basement of Walker are to be a permanent fixture and hopes that this will put an end to questions of "What's going on tonight huh and is it free?"

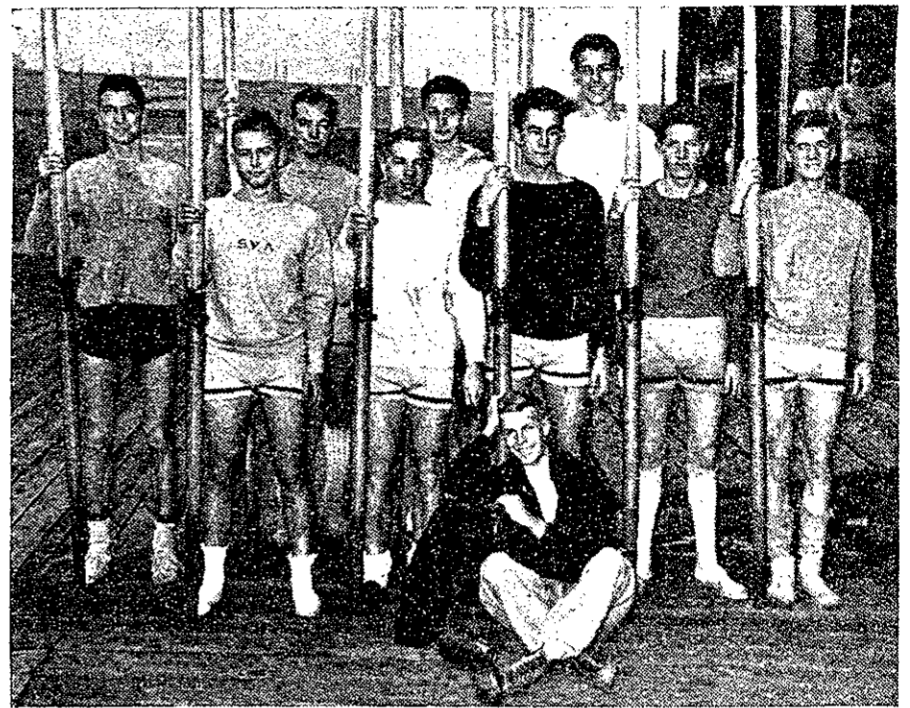
Field Day Spirit and Athletic Teams



Frosh Crew



Frosh Track Stars
B. Hoffman, Standing and
F. K. Loomis, Seated



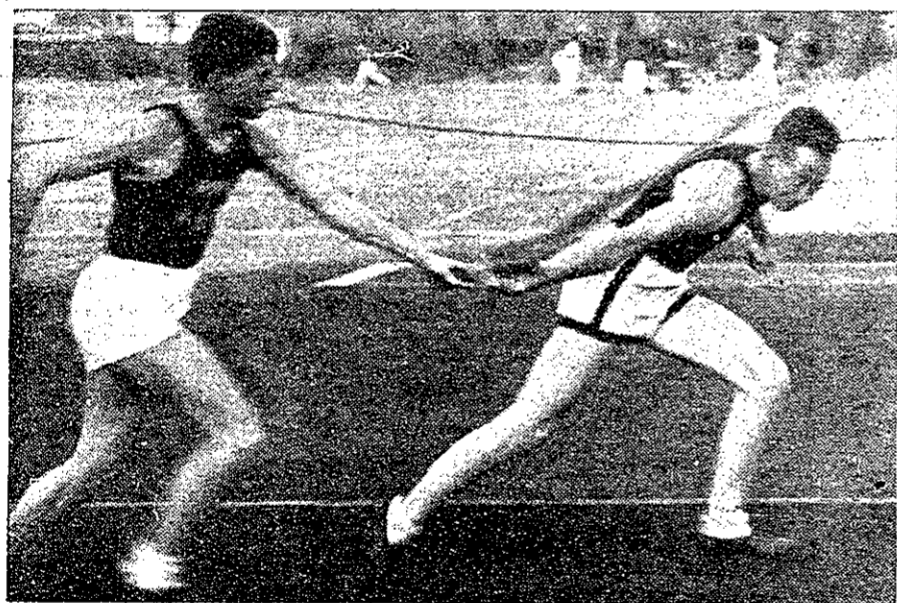
Soph Crew



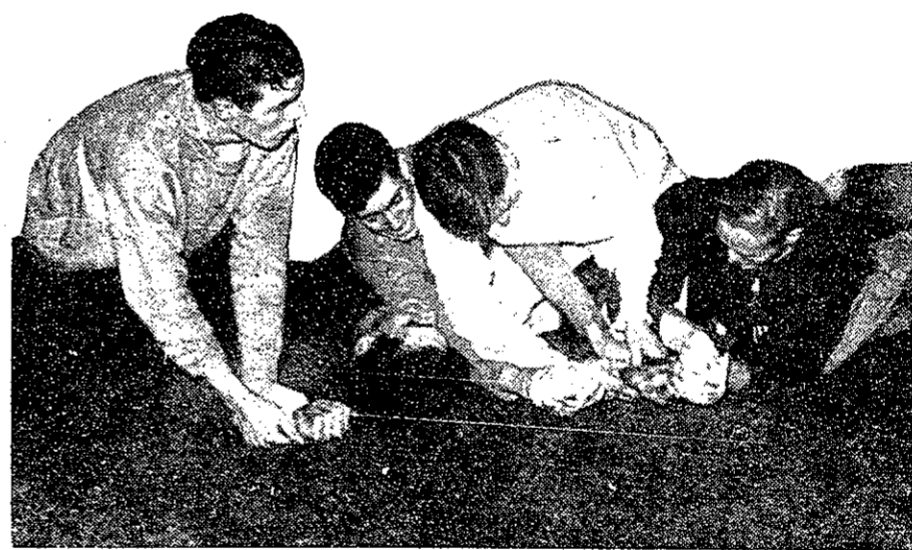
'39 Football Team



'40 Football Team



R. K. Walker, '39 Passing Baton to H. K. Klitgourd, '39



Scene From Last Year's Glove Fight



The Sophs Swipe Some Frosh Shoes



The Frosh Retaliate by Capturing Soph Nighties

Field Day

(Continued from Page 1)

Coach Hedlund prophesies that the experience of the upperclassmen will prove the winning factor. The relay tryouts have shown the Sophomores to be on the average one-fifth second faster than the frosh. Coach Hedlund allows only one event, the Glove Fight, to the freshmen, thus giving them 3 points out of the possible 12.

All classes will as usual be suspended at 12 o'clock. The crew race is to be held first, and after that the tug-of-war, the football game, the relay race, and lastly the Glove Fight. This year things will be carried out in a more orderly manner than in former years. Field Day marshals and ushers have orders to "get the name" of anyone caught throwing eggs or injurious chemicals, or inciting a parade or riot. Such persons are liable to expulsion from the Institute. Also, all freshmen and Sophomores are to be kept on the field, and are not to be permitted to wander about.

Members of teams, marshals, ushers, in fact all those whose names appear on the program are invited by the A. A. to a dinner in North Hall, Walker Memorial this evening at 6:30 P. M. Ralph T. Jope, secretary of the committee on athletics will be master of ceremonies, Dr. Rockwell, chairman of the committee and Harry Worchester will also speak. Dean Pitre is to award to five Sophomores the Cabot Medal for attainments in Physical Training.

Princeton Poll

(Continued from Page 1)

the New England and North Atlantic states and in several central and western states.

Four years ago, during the 1932 Hoover-Roosevelt Campaign, The Tech with 33 other leading colleges participated in a nation-wide straw vote poll in which Hoover netted a majority of 28,180 votes to Roosevelt's 18,212. In the election that November, Roosevelt won the presidency by a large margin.

The Socialist vote, four years ago almost 20% of the total vote, is this year less than 3% of the total, while the Communist vote has risen from one to almost three percent of the total vote.

A. I. E. E.

(Continued from Page 1)

urged all in attendance to join up immediately.

Professor Edgerton demonstrated the stroboscope and pointed out how this machine helped science in its struggle against ignorance. While the high speed movies were being shown, Professor Edgerton entertained the audience by telling of the experiences that the photographers underwent while taking these pictures. The title of the new edition of the high speed movies is "Seeing the Unseen and has several good shots of Humming birds hovering while they feed.

Alpha Phi Omega

(Continued from Page 1)

fraternity intends to have a program at the Robert Brigham Hospital to give the children in attendance normal activity as well as inspiration and guidance.

Cap Gunderson, executive of the Cambridge Council of scouts, expressed the hope that all the fellows would try to better themselves in order to find a place of service in the world, and also that they had joined Alpha Phi Omega with the intention of furthering achievement. Coach Oscar Hedlund, of the track team, the last to speak, tried to induce the members to visit some of the freshmen who were scouts, stating that the more friends men made at this time of life, the richer their lives would be.

Alpha Phi Omega is a national scouting honorary fraternity organized for the purpose of furthering scouting relations. The Technology chapter, Alpha Chi, is presided over by Frederick Schmitt, '38, and is advised by Coach Hedlund.

Gym-Theatre

(Continued from Page 1)

\$112,000 in the Barbour Field House, the Sailing Pavilion, dinghies, and improvements on Co-op Field, during the last five years.

No help whatever is given by the Institute directly to such organizations as Dramashop, Tech Union, Debating Club, Combined Musical Clubs.

In consideration of numbers of men, it was found that about 220 are at the present time using the gymnasium facilities as against 320 in the group which would benefit by the erection of a theater-auditorium. The 220 athletes were in basketball, boxing, fencing, wrestling, and gym squads. The auditorium group is made up of members of Dramashop, Tech Union, Debating Club, and Combined Musical Clubs. Tech Show, in the event that it is revived, will add another 100 men to the latter group.

Thermodynamics

(Continued from Page 1)

critical point. An extended Mollier chart of steam properties is included. The greatest range of pressure, 0 to 6000 pounds per square inch, and of temperature, -40 to 1600 degrees Fahrenheit, ever covered in steam tables are included.

The First Church of Christ, Scientist

Falmouth, Norway and St. Paul Sts. Boston, Massachusetts
 Sunday Services 10:45 a. m. and 7:30 p. m.; Sunday School 10:45 a. m.; Wednesday evening meetings at 7:30, which include testimonies of Christian Science healing.
 Reading Rooms—Free to the Public, 333 Washington St., opp. Milk St. entrance also at 24 Province St., Stadel Office Bldg., Park Sq., 60 Norway St., cor. Mass. Ave. Authorized and approved literature on Christian Science may be read, borrowed or purchased.



WHERE LEADERS meet
 Up and Coming Young Men and Young Women
 Who aspire to leadership in the various fields of commerce and industry make it a point to join the company of successful leaders who daily Meet and Eat at
THOMPSON'S SPA
 Where Boston Business Goes "Home" to Lunch.

Been over to the DRUM GRILL? At the HOTEL COMMANDER you know. Great place for a snack or a late supper. The Chef at the DRUM GRILL will cook you up as fine a Welsh Rarebit as you ever ate. Or a Lobster Newburg, and other special dishes. See you at the DRUM GRILL.

For Digestion's Sake . . . Smoke Camels



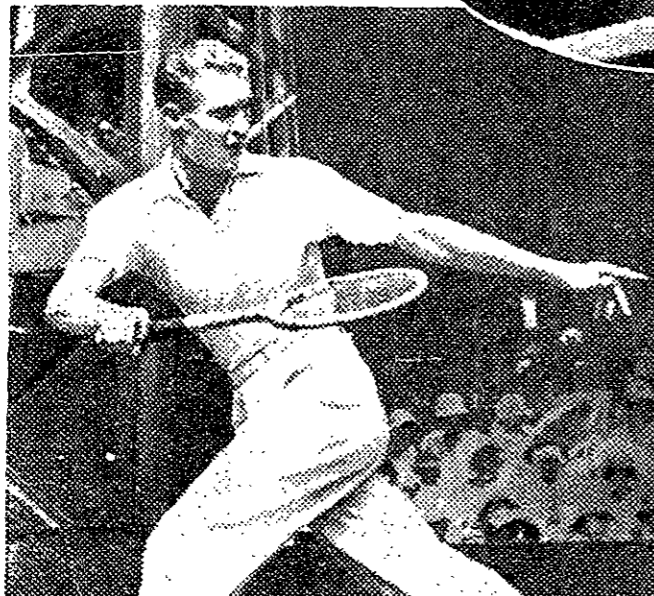
MENTAL EFFORT TOO—especially long hours of study—builds up tension and puts an extra strain on digestion. When you're tired, get an invigorating "lift" with a Camel. And at mealtimes and after, "for digestion's sake . . . smoke Camels." Camels set you right!

Smoking Camels with meals and after helps bring a delightful sense of well-being

EATING is one of life's real pleasures. And Camels make it even more enjoyable! Thanks to Camels, food tastes better and digestion goes along more smoothly. For it is a scientifically established fact that smoking Camels at mealtimes and after speeds up the flow of digestive fluids...alkaline digestive fluids, which good di-

gestion and proper nutrition require. Mild, rich-tasting Camels are a refreshing stand-by the whole day through. They give you a cheery "lift" when you need it most. Camels set you right! They never get on your nerves . . . tire your taste . . . or irritate your throat. So, make Camel your cigarette!

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LESTER STOEFFEN, tennis champion whose smashing service goes at the amazing speed of 131 miles an hour. He prefers Camels. "An athlete has to have good digestion," says Lester. "I smoke a lot during meals and after. Camels make food taste better and digest easier."



AT THE WORLD-FAMOUS "COCOANUT GROVE" IN LOS ANGELES. This famous restaurant of the Ambassador Hotel is a center for dining *de luxe*. The scintillating stars of stage and screen...the vivid personalities of Southern California's gay society parade by...familiar famous faces everywhere. It is life in its happiest mood. Camels are first choice at the Coconut Grove, as they are in famous eating places from coast to coast. Jimmy, the well-known *maitre d'hôtel* of the Coconut Grove, says: "People who are good judges of food are equally discriminating in their choice of a cigarette. Here they all seem to smoke Camels."



"TALK ABOUT A GRAND FEELING," reports Sydney Jones, expert electrician. "The best part of my meals is when I loll back and have another Camel. Camels always set me right... calm me down... make my food taste better and help my digestion. Camels never jangle my nerves."

HOLLYWOOD RADIO TREAT!

Camel Cigarettes bring you a FULL HOUR'S ENTERTAINMENT! Benny Goodman's "Swing" Band... Geo. Stoll's Concert Orchestra... Hollywood Guest Stars... and Rupert Hughes presides! Tuesday—9:30 p m E. S. T., 8:30 p m C. S. T., 7:30 p m M. S. T., 6:30 p m P. S. T., over WABC-Columbia Network.

COSTLIER TOBACCOES!

Camels are made from finer, MORE EXPENSIVE TOBACCOES—Turkish and Domestic—than any other popular brand.



Field Day Line-ups

CREW

Sophomores		Freshmen	
Withington	No. 1	Watriss	
Wooster	No. 2	Eckeberg	
Arnold	No. 3	McMullen	
Gray	No. 4	Lewis	
MacMillan	No. 5	Bowman	
Myers	No. 6	McKinley	
Drury	No. 7	Sebell	
Woodward	No. 8	Martin	
Wyerberg	Cox	Baird	

TUG-OF-WAR

Sophomores		Freshmen	
1. Chestnut	15. Cutten	1. Bearce	15. Goodman
2. Aragon	16. Hammell	2. Beuker	16. Kather
3. Ferreira	17. Washburn	3. Bollerman	17. Crum
4. Frankel	18. Scully	4. Elrod	18. Tuttle
5. Friedman	19. Voageley	5. Erikson	19. Ross
6. Goldberg	20. Rugo	6. Foss	20. Cracaur
7. Cushnie	21. Lawry	7. Green	21. Rosenburg
8. Merrill	22. Tatman	8. Hutzler	22. Freeman
9. Pancake	23. Gunrlach	9. Arch	23. Lewis
10. Seykota	24. Rowe	10. Norton	24. Vanderpool
11. Ritchie		11. Orlandella	
12. Schneider	Substitutes	12. Salamndra	Substitutes
13. Stamatatos	Curtis	13. Wilding-White	Deutsch
14. Stiff	Dadakis	14. Swenson	Wiley

TRACK RELAY

Sophomores		Freshmen	
Ritgard	De Voe	Loomis	Hoffman
Walker	Ottinger	Taylor	Hyde
Keefe	Hewes	Coorison	Clark
Robbins	Speller	Hodgson	Brewer
Moley	Ross	Kyllom	Knight
Fogliano	Hobson	Castle	Richardson
	Substitutes		Substitutes
Herlihey	Thompson	Sherif	Kridell
		Nichols	Libby

FOOTBALL

Sophomores		Freshmen	
Raymond	l.e.	Eckhardt	
Christensen	l.t.	Miner	
Pollock	l.g.	Daudelin	
Terre	c.	Stoddard	
Herriman	r.g.	Farmer	
Donohoe	r.t.	Heskett	
Pickard	r.e.	Bosher	
Wignot	q.b.	Cohen	
Coemer	r.h.b.	Creamer	
Carr	l.h.b.	Hauser	
Chatten	f.b.	Scott	
	Substitutes		Substitutes
Muckley	Carleton	Wyatt	MacKay
Emerson	French	Morehouse	Hoffman
Harrison	Magruder	Gregory	White
Broudon	Morrell	Noonan	Brady
Chance	Kettendorf	Dine	Crimmens

Tech Booters Play Clark Tomorrow

Earlier Performances Indicate Probable Tech Victory At Worcester

Saturday afternoon the Tech Soccer team will travel to Worcester to meet their old rivals, Clark University. Pre-game indications would point to Tech as the probable winner, as the team has been playing an excellent brand of soccer, despite the fact that they lost very close games to Harvard and Dartmouth, who are leading the Intercollegiate League.

Last year's game resulted in a scoreless tie, while in 1924 Clark emerged the winner by a 2-0 count. This year, however, it looks as if Tech will make up for their past performances. The team has plenty of speed in addition to experience. There are six letter men from last year in addition to five members of last year's freshman combine. In captain Eddie Brittenham the team has a fine leader who has three years varsity experience at Tech.

Coach Malcom Goldie intends to start the following lineup:

G. George Mitchell; RF, Edward Brittenham; LF, T. C. Li; RH, George Wemple; CH, James Gilliss; LH, John Lindsay; OR, Edward Mosehaur; IRR, Ray Dreselly; CF, Alex Laker; IL, Carlos Ceballos; OL, Antonio Arias.

Sophomore Managers Are Sure Of Success

With the traditional fiery manner of a read-head, Dick Hanau, manager of the Sophomore tug-of-war team, stated that he expected the Sophomores to take a victory in the minimum two pulls which are to be held tomorrow in the annual Field Day. It is very doubtful, Hanau says, that it will be necessary to hold more than the first two pulls, for the men on the Sophomore team have showed that they have the capability of pulling together at all times. With this ability and the spirit which they have been showing in the past few weeks, the Sophomores are certain of a victory in tug-of-war.

Pete Bernays, the manager of the Sophomore football team for Field Day, this afternoon made the statement that he expected the Sophomores to win both the football game and Field Day itself. In his opinion the football team will show itself to be superior to the Freshman team by two touchdowns. However, he did concede the Freshmen victories in the glove fight and the relay race. The deciding factor in all of the events will be the advantage of experience which the Sophomores will have over the Freshmen. It is entirely possible, however, that the underdog will reverse the odds against him and show the Sophomores who has got the real Field Day spirit.

TO FLIRT is very wrong; I don't.
Wild youths chase women, wine and song;
I don't.
I kiss no girls, not even one;
I don't even know how it is done;
You wouldn't think I have much fun;
I don't.

—Los Angeles Junior Collegian.

Sophs Will Win All Events But Fight Says Hedlund

Coach Oscar Hedlund, predicted a clean sweep in all of the events for the Sophomores this Field Day except the glove fight. "The football game will be the closest, he stated, but the Sophomores should win because of their experience. "The deciding factor in the crew race, the relay, and the tug-of-war," he said, "will be experience also." The score, as Coach Hedlund predicts, will be as follows:

Event	Sophomores	Freshmen
Football Game	4	0
Relay Race	3	0
Crew Race	3	0
Tug-of-War	2	0
Glove Fight	0	3

Totals 12 3

Judging from present prospects and past performances, Coach Hedlund has figured out the following probable odds: football 2-1 Sophs, relay 5-3 Sophs, crew 5-3 sophs, tug-of-war, 3-1, Sophs and the glove fight 5-2 freshmen. Coach Hedlund is noted for the accuracy of his prophecies. In the last two years he has called only one event wrong.

Technology Harriers Meet Tufts and N. E.

Chances Good For Win In Meet Tomorrow Afternoon

The Beaver harriers will have their first opportunity to end up at top in a triangular meet to be held at 2:00 tomorrow afternoon at the Franklin Park cross-country course when they face Tufts and Northeastern.

Thus far the Engineers have failed in their attempts to reap any fruitful results, but this meet will be run on home grounds for the hill-and-valers and should aid in bringing about the expected victory.

Despite the two previous losses hopes run high and much has been accomplished since the past meets. The courses were unfamiliar to the embryo engineers and in one case the run was made over muddy terrain.

Both the frosh and varsity teams will be included in the clash. Both teams have practised on the course and have an added advantage of knowing the ups and downs of Franklin Park.

Those to run tomorrow include: Varsity—Cooper, Captain Guerke, Eddy, De Jardins, Sabi, Scalingi, Matthews, Ross, Wegner.
Freshman—J. Artz, W. Brewer, T. Gunaris, E. Wallace, E. Crosby, E. Lemanski, H. Wirth.

Odds Favor Sophs In Field Day Crew

Freshmen Have Heavier Crew But Lack Experience In Competition

At 12:30 today the Freshman and Sophomore Crews meet in the first of the Field Day events to paddle their way down the well-worn one-mile course on the Charles River. The many rivalries involved will add greatly to the interest of the race.

Besides the usual class opposition and the emulation between the crews, both coaches of the Frosh and Sophomore rowers were initiated into their positions this year, and the outcome of this contest is of added importance to these two. Pat Manning, the new Freshman coach, has had under his direction a turnout which is phenomenal, and at times there have been as many as eight crews out at once. Although quite a number of the lower classmen have had previous experience the odds are with the '39 crew having the year's advantage in experience and practice; however, none of the soph crew have rowed in intercollegiate competition. S. Valentine, the newly risen soph coach is confident that the '39 shell will be the first to cross the line. The frosh being considerably heavier than their opponents have that factor to their benefit, thus, a consideration of the pros and cons in their entirety leaves the two contenders evenly matched, which should result in a fast, close race. Time trials have been kept secret by A. T. Jope, Secretary of the Advisory Council on Athletics, who will be official timer at today's race. Bill Haines, varsity crew coach, will be referee.

Since 1918, when the Frosh-Sophomore crew races were first inaugurated, the upper classmen have won nineteen times as compared to four wins by their rivals, giving the Sophs seven to two odds

Coach Predicts Win For Frosh Ball Team

Depends on Driving Power Rather Than Tricks

Working until quite late last night, the Freshman football team sought to perfect the timing of their plays. Coach Alby Beverage expressed considerable confidence in his team's ability to take the sophomores by a considerable score. He stated further that if the rest of the team teams measured up to the ball team in confidence and ability the Freshmen should have an easy time winning the first Field Day game.

The Freshmen have been well coached by Coach Beverage and expert guard plays. Their aerial attacks are not as smooth as their running as there is not an outstanding player on the squad. Beverage stayed away from trick plays, preferring to play straight football. There will be three freshman teams to form tomorrow and each member of the squad stands a good chance in the game because the majority of the freshmen feel that the team will not last.

Swimming Instruction Given To Candidates

Men interested in the swimming but who have had little or no experience may now have an opportunity to work up. Varsity coach John J. Jarosh will conduct a beginners' class for fifteen minutes of the swimming time.

The pool at the University club will be open to Tech men beginning Monday, November 2. Men who are not out for the team but merely desire recreation will be admitted on the payment of a fee of twenty-five cents. Practise will be on Mondays, Wednesdays and Fridays.

3 HOURS OF PRACTICE DANCING
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PER MESSAGE 25¢
WESTERN UNION
and **HELP THE TEAM WIN THAT GAME**

Here are some of the messages.
Get complete list from WESTERN UNION.

1350 Win or lose, we are with you.
1351 Good luck. We know you boys will show them.
1352 Go ahead and win. We have a victory song ready.
1353 Alma Mater's thousands are in the stands fighting with you for another victory. Best of luck.
1354 Congratulations. Tell boys we are very proud of them.

THIS IS ANOTHER NEW WESTERN UNION SERVICE

Senior Rings
Place your order for
DECEMBER DELIVERY
November 4th, 5th or 6th
MAIN LOBBY
Opposite 10-100
12:45 to 4:35 P. M.
Sole Manufacturers
Bates & Klink
Inc.
Frank A. Chace, Pres.

New Clothes for Rental
READ & WHITE
111 SUMMER ST. BOSTON

Twenty Grand Cigarettes
"My dear Countess, these imported cigarettes are positively enchanting!"
"That's one on you, Clarissa! TWENTY GRANDS are imported from the corner tobacco shop."

WE CERTIFY that we have inspected the Turkish and Domestic Tobaccos blended in TWENTY GRAND cigarettes and find them as fine in smoking quality as those used in cigarettes costing as much as 50% more.

(Signed) Seil, Pitt & R...
ALSO OBTAINABLE IN FLAT FIFTIES

CALENDAR

Friday, October 30, 1936
 12:30—Frosh-Soph Field Day Crew Race on the Charles.
 1:15—First Pull of Tug-of-War, Tech Field.
 1:35—First Half of Football Game, Tech Field.
 2:20—Relay Race, Tech Field.
 2:40—Second Pull of Tug-of-War, Tech Field.
 2:55—Second Half of Football Game, Tech Field.
 3:40—Third Pull of Tug-of-War if necessary, Tech Field.
 3:55—Glove Fight, Tech Field.
 6:00—Field Day Banquet, Main Hall, Walker.
 Saturday, October 31, 1936
 1:00—Cross Country vs. Tufts and Northeastern, Franklin Park.
 2:00—Varsity Soccer vs. Clark University at Worcester.
 Sunday, November 1, 1936
 7:00—Dramashop Rehearsal, Rogers Building.

Institute Committee

(Continued from Page 1)

proved by the Committee: William G. Gibson, '38, assistant to the managing editor of Voo Doo; James B. Hess, '38,

associate editor of T. E. N.; Carl H. Abel, Jr., Junior member of the Walker Memorial Committee; Richard B. Young, '37, and John C. Wheale, '37, Concert managers and Phillip E. Sellers, '37, Treasurer of the Musical Clubs.

The resignation of John J. Wallace, '38, from the Budget Committee was accepted. Absent from the meeting were Donald D. Weir, Raymond A. Dreselly, and James M. Gillis.

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 Personal Direction of Miss Shirley Hayes
 TEL. CIRCLE 9068

Newest ball room steps. Beginners guaranteed to learn here. Hours 10 A.M. to 12 P.M. Class and social dancing with orchestra

Field Day Dance

(Continued from Page 1)

keynote, an elaborate scheme of decorations will be carried out. Included in this scheme is a large football and glove, indicative of two of the main events on the Field Day schedule. More than two thousand gaily colored balloons will deck the ceiling of Walker and give a cozy, low-ceilinged effect to the hall.

As master of the revels, Jack Marshard leads his Bar Harbor Club orchestra from nine to two o'clock. There will be Open House in the dormitories from 1 o'clock in the afternoon to eleven o'clock in the evening and the Grill Room in Walker will be open during the dance.

"Field Day visitors will be welcome," Chairman Lloyd Ewing, '38, of the Dance Committee announced yesterday. "Although most of the three hundred tickets available have been sold, all those who desire to get their tickets at the door will be accommodated."

Freshman Councilors Elect Three Officers

Raymond R. Foster, '40, was elected Secretary-Treasurer of the freshman Council and Institute Committee representative ex-officio at the meeting of the Freshman Council Wednesday. Marshall Arnold E. Wight and Frederick A. Libby were elected delegates at large to the Institute Committee.

These selections were tentatively approved by the Institute Committee yesterday, subject to report by Walker Memorial Committee.

Frederick Kolb, president of the Junior Class and chairman of the freshman council, stressed the importance of regular attendance at the meeting, stating that two absences and one proxie would deprive a section of its representation.

Definite plans of attack for the Field Day glove fight were discussed and the council adjourned with much enthusiasm.

Harvard Instructor Addresses Graduates

Speaking to a group of over 100, Professor D. H. Menzel of Harvard gave a lecture on the eclipse of the sun in Siberia to graduate students at the Graduate House dinner Wednesday in Walker Memorial.

Professor Menzel related his experiences as a member of the joint Harvard-Technology expedition last June in Soviet Russia, illustrating the speech with lantern slides of photographs taken at the expedition's headquarters in a little Siberian village.

The Russian expedition was not the Professor's first attempt at photographing eclipses, as last summer's eclipse was the fifth he covered.



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No wonder. The band is something to write home about. The spot is one of Boston's favorites. And the food is nothing short of perfect. Songs by lovely Evelyn Oaks.

DINNER DANCING every night except Sunday
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When Fun and Smoking Last Way Into the Night...

On party nights—or whenever you do a lot of smoking—you'll find that Luckies, a light smoke, are a comfort as well as a joy! For since Luckies are a light smoke, there's no wear and tear on your throat. Luckies wear well...they're the only cigarette that's "Toasted"... your protection against irritation. So tomorrow, or better, right now, reach for a Lucky—rich with the taste of fine center-leaf tobacco. It's a good morning smoke with a clean, fresh taste. And it's a good night smoke...easy on you...gentle. It's never too late for a light smoke... never too late for a Lucky!

★ ★ NEWS FLASH! ★ ★

82 years old—She Knows Her Popular Music

Mrs. Elizabeth Bowles of Uvalde, Texas, is a real "Sweepstakes" fan. She writes: "I am 82 years old and this is the first time I have ever won anything absolutely free, and am I pleased!" Congratulations, Mrs. Bowles. We're certainly pleased, too, that you won.

Have you entered yet? Have you won your delicious Lucky Strikes? There's music on the air. Tune in "Your Hit Parade"—Wednesday and Saturday evenings. Listen, judge, and compare the tunes—then try Your Lucky Strike "Sweepstakes."

And if you're not already smoking Luckies, buy a pack today and try them. Maybe you've been missing something. You'll appreciate the advantages of Luckies—a Light Smoke of rich, ripe-bodied tobacco.

For "Night-and-Day" Smokers

—A Light Smoke!

Even though you've been smoking through most of the day, and all through the evening, you'll find that your midnight Lucky tastes as good as your Lucky at noon. For a clean taste, a clear throat... reach for a Lucky—a light smoke!



Luckies — a light smoke

OF RICH, RIPE-BODIED TOBACCO—"IT'S TOASTED"