

WELL-KNOWN MATH INSTRUCTOR DIES AFTER SICKNESS

Professor Clarence L. E. Moore
Published Many Papers
On Geometry

HAD HOST OF FRIENDS

Dr. Clarence L. E. Moore, a member of the Mathematics staff of the Institute since 1904, died after a long illness, early Saturday morning, at the Newton Hospital. Professor Moore, known for many years by his associates at Technology as "Dinty," was prominent in Institute affairs. He was the chairman of the committee on Course IX; also he was founder, and until 1930, editor of "General Mathematics and Physics."

Born in Bainbridge, Ohio, May 12, 1876, Professor Moore graduated from Ohio State University in 1901 with a B.S. degree. He then went to Cornell University, where in 1902 he received his M.A., and subsequently in 1904, his Ph.D. In the fall of the same year, he received an appointment as instructor at the Institute. Mr. Moore became an assistant professor in 1909, an associate professor in 1916, and full professor and research advisor for Mathematics in 1920.

Long Chairman of Course IX

Professor Moore was greatly interested in Course IX, and was chairman of the committee on that course until this year.

In spite of the fact that he was suffering from appendicitis and a diseased gall bladder, Professor Moore taught during the first term of summer school this year. Immediately after that, he was taken to the Newton Hospital, where he underwent an operation. The surgical work was successful, but recovery was slow. Physicians advised Dr. Moore not to start work, but the mathematician came to the Institute on the first day of this term.

He suffered a relapse while in his office that afternoon, and was taken to his home in Newton. One week later he returned to the Newton Hospital because of complications growing out of the former operation. Infections developed from which the professor could not recover, and he succumbed on Saturday morning.

At different times during his career, Professor Moore studied at the Universities of Gottingen, Turin and Bonn. He was a fellow of the American Academy of Arts and Sciences, a member of the American Mathematical Society, the Circolo Matematico di Palermo, and Sigma Xi, the honorary fraternity of scientists.

A friend of all his associates, Professor Moore was always glad to have students come into his office and talk over their troubles with him. Besides this human aspect, the Professor was an eminent mathematician. He did much original work in the geometry of hyperspace, or space of more than three dimensions.

Dr. Moore is survived by his wife, Mrs. Belle P. Fuller Moore, formerly of Springfield, and a daughter, Hazel Anne Moore.

Funeral services were held at the chapel of Eliot Church, Newton, Sunday at 2.30 o'clock. Interment will be at Somers, Connecticut.

HENRY FELLOWSHIPS OPENED TO STUDENTS

Information May Be Obtained
From Dean of Graduates

Attention is called to an announcement which has just been received of four Henry Fellowships which will become available for the year of 1932-33. These fellowships are open to unmarried American citizens who are graduates of a recognized university of the United States, or are studying at a university at the time of application, for study during one year at the Universities of Oxford or Cambridge, England.

Applications must be received by the Secretary of Harvard University or the Secretary of Yale University by January 1, 1932. Further information may be obtained by consulting the Dean of Graduate Students, Room 4-112. The fellowships carry a stipend of five hundred pounds each for the one year's study.

Autobiography Given By Kodak Director in First Aldred Lecture

Dr. Mees Shows How His Life
Has Been Connected With
Photography

Speaking on his own life, Dr. C. E. K. Mees, director of research and development for the Eastman Kodak Company, showed how he has been connected with photography during the greater part of his life, at the first lecture of the ninth annual Aldred lecture series in Room 10-250 at 3 o'clock last Friday. Before Dr. Mees began his talk, President Karl T. Compton introduced Dr. John E. Aldred, sponsor of the lecture series, who, in turn, introduced Dr. Mees.

In telling his life story, Dr. Mees said that at the age of eleven he had been interested in Chemistry. He followed this branch of science when he went to the University of London, where he was awarded his degree of Doctor of Science for work done in the photographic field.

Worked for Wrattion and Wrainwright

From there he obtained a position with Wrattion and Wrainwright, Ltd., of Croydon, and he was the man who put that firm on its feet, he said. After several years of success with this firm, Dr. Mees was offered a position with the George Eastman Kodak Company. He accepted this offer on condition that Mr. Eastman should buy out the firm of Wrattion and Wrainwright. This was done and Dr. Mees became director of research with the Eastman Company in which capacity he has remained for many years.

TECH STUDENTS ASSIST IN PLAY PRESENTATION

Rolf Eliason '32, "prima donna" of the former Tech Show, leads in the cast of the play presented by the Lutheran Student Association of Greater Boston. The play, "Meet Uncle Sally," will be presented in Brattle Hall, Cambridge, on Wednesday night, December 9, at 8.15 o'clock.

Other members of the cast and management include the following Technology men: Leonard V. Leum, G., Theodore Kresser '34, Harold E. Anderson '32, Gordon T. Vaala, G., John Hossfeld '35, Harold A. Traver '32, F. Rolf Morrall '32. Other students from Radcliffe, Leland Powers, Simmons, and Harvard complete the cast.

450 Couples Dance To Casa Loma Band At I. F. C. Hop

First Conference Dance at Hotel
Continental Is Most
Successful

One of the most successful dances in recent years, the first Interfraternity Dance, held last Friday at the Hotel Continental in Cambridge, exceeded by more than three hundred people the attendance at last year's dance. At least nine hundred persons jammed the big ballroom.

Music was supplied by the famous fourteen-piece Casa Loma orchestra, which more than lived up to its reputation. Alternating red-hot jazz with music of a more moderate tempo, they varied their selections even more with many novelty choruses, which were enthusiastically received by the crowd.

Ice cream and cake were served during an intermission about 12.30. The first rush, in which some 760 helpings were passed out, for a time threatened to become a miniature riot, but died out without any casualties, except to some china.

Chaperones for the dance were Mrs. Karl T. Compton, Mrs. James R. Jack, Mrs. Horace S. Ford, and Mrs. Wallace M. Ross. Robert B. Semple '32, was chairman of the dance committee, with Cyrus S. Hapgood '33, Duke Selig, Jr. '33, Charles C. Bell '33, and Thomas B. Rhines '32 as his assistants.

NEWPORT OVERCOME BY BASKETBALL TEAM 57-14

Technique Batters Voo Doo but Fail in Final Goal Plunges

Game Leaves the Disposition of
Pi Delta Epsilon Cup
Unsettled

With both sides playing a brand of football which was quite literally a joy to behold, *Voo Doo* held *Technique* to a scoreless tie in what should have been the playoff game for the Pi Delta Epsilon cup, Saturday afternoon on the Tech Field.

Line rushing enabled *Technique* to penetrate deep into *Voo Doo* territory during the first half. A poor *Voo Doo* punt (Note: There were no good ones on either side during the entire game), left the ball on the twenty-five yard line. Subsequent line drives and end runs brought the ball to the five-yard line. Then *Voo Doo* held for downs and regained possession of the ball and on the next play fumbled on their three-yard line. The line held, however, and the half ended soon after with no score.

Technique Rushes

In the second half, a series of "vicious" line plunges laid low three of *Voo Doo's* stars. Thereupon, the captain of the *Voo Doo* team humbly beseeched the *Technique* "Terrors" to abate their savage attacks so the humorous team would have a full team. During the entire second period the ball seasawed back and forth across the center of the field. The game ended with no score and with *Voo Doo* refusing *Technique's* offer of an extra period suggesting as a substitute a game of either ping-pong or tiddly-winks, some Sunday afternoon, the possession of the cup is still in question.

Teams Lack Practice

On the whole *Technique* might be considered to have had the edge. Playing on both sides indicated strongly that all forms of practice had been sadly neglected. Punting especially was poor to say the least.

Due to the chilling blasts of a twelve-below-freezing wind which howled across the field, numbing fingers, toes and brains to such an extent that not one pass was completed throughout the entire game.

Technique Short of Players

"Return immediately, playing football. We need you." Thus read the telegram which rushed one of the *Technique* men pell mell down from Harvard where he had been visiting. In addition, one of the smallest and lightest men on the *Voo Doo* staff was graciously handed over to *Technique* so that they could complete a team. Incidentally it was this man who later recovered a fumble which placed *Technique* on their opponents' three-yard line.

The lineup:

<i>Technique</i>	<i>Voo Doo</i>
A. Ringer, l.e.	r.e., M. Fleming
P. Lappe, l.t.	r.t., D. Habens
M. Silverman, l.g.	r.g., J. Harper
H. Bellison, c.	c., I. M. Anonymous
E. Taubman, r.g.	r.g., R. Eddy
A. Russell, r.t.	t., H. Heiligenthal
J. Loustaunau, r.e.	l.e., R. Mill
C. Hapgood, q.b.	q.b., F. Richards
T. Kusnitz, r.h.	r.h., H. Worcester
J. Lyon, l.h.	l.h., D. Britton
T. Hein, f.b.	f.b., G. Kiddle

Quadrangle Club Halts Freshmen Who Doff Ties

Freshmen who have not been wearing their freshman ties have been warned by notices sent out by the Quadrangle Club. Although freshman rules will be suspended on December 19 instead of the usual time, the beginning of the Christmas holiday, members of the Quadrangle Club, which is composed chiefly of Sophomores, have taken up the duty of enforcing these rules until the final date. Their efforts to date have been remarkably effective, for freshmen who have been warned have been seen wearing freshman ties.

Local Chapter of Pi Delta Epsilon Meets at Banquet

National Journalistic Fraternity
Celebrates Anniversary
of Foundation

Technology's chapter of Pi Delta Epsilon, national honorary journalistic fraternity, celebrated the twenty-first anniversary of the founding of the national organization with a banquet in the North Hall of Walker Memorial Saturday night. The meeting was attended by eighteen chapter members and Alumni. William H. Barker '32, president of the local chapter, presided.

Professor Winward Prescott of the English Department was toastmaster. Following a short talk by Barker, J. Rhyne Killian '26, national vice-president, spoke on behalf of the national fraternity, and John J. Rowlands, in charge of the Institute's News Service Department, told of one of his experiences while a United Press reporter.

Professor Rogers Speaks

As main speaker of the evening, Professor Robert E. Rogers of the English Department, spoke on the general relationship of Pi Delta Epsilon to the publications at the Institute. Addison S. Ellis '32, editor of THE TECH, was the last speaker. A general discussion on the publications at the Institute concluded the meeting. Dean Harold E. Lobdell '17 and Mr. Frederick G. Fasset, Jr., were also present as guests.

GYM TEAM TO HOLD BANQUET IN WALKER

For the purpose of getting better acquainted among themselves, the Gym Team will hold a get-together banquet for all team members and candidates. It will be held tomorrow night, December 8, in the Grill Room of Walker Memorial, at 6.30 o'clock.

Coach Neudorf will be present and will speak, together with members of the team and managing staff, on the prospects and general outlook of the varsity and freshman gym teams for the coming season.

All-Tech Wrestling Tournament Begins Monday in Hangar

Dr. Rockwell To Present Medals
To Winners Of Classes
After Meet

All men interested in wrestling will be given a chance to display their prowess in the All-Tech Wrestling Tournament to be held in the Hangar Gym. The contests will extend over a period from December 9 to December 11.

Eight weight divisions will be open for the contestants: 118-lb., 126-lb., 135-lb., 145-lb., 155-lb., 165-lb., 175-lb., and heavy. All entrants are eligible with the exception of letter men in wrestling. Eight medals will be given to the winners, one to each weight division.

Four Last Year's Winners Entered

Four winners of last year's tournament will be among the thirty-five expected entrants, Pearson, 126; Isbister, 145; Stuart, 155; and Koller, heavy.

Dr. Rockwell will present the medals to the winners on Friday after the finals. Weighing in will take place on Monday, December 7. All men interested should apply to Coach Green or the team manager.

ENGINEERS SCORE AT WILL IN FIRST VICTORY OF YEAR

Entire Technology Squad Sees
Action as Big Crowd
Fills Stands

O'BRIEN LEADS SCORERS

Playing their opponents completely off their feet, the Technology varsity basketball team got off to a most auspicious start at the Hangar gym Saturday night, swamping the sailors from the Newport Naval Training School to the tune of 57 to 14. At no time during the entire game were the Engineers behind, running up thirteen points before Newport was able to dent the cords. Coach Henry P. McCarthy used his entire squad against the inexperienced opposition. It was the first game of the season for both teams.

The outstanding characteristic of the Technology varsity was not the brilliance of any individual star, but smooth teamwork and coordination. They excelled the other team in every department of play.

Teams Get Off to Slow Start

The first two minutes of the game were rather dull. Captain Johnson was fouled right after the opening tap, and made good one of his two free throws. Then followed a period of close guarding during which the ball changed hands quite often. Then Tim Coffey started the Engineers off on their scoring habits by sinking a long hawker from the right side of the court. Feustel followed with another successful long shot. Newport took time out.

After play was resumed, the sailors carried the fight, but poor shooting spoiled all their efforts. Suddenly Technology came to life and rapidly drew away, with every member of the team sharing in the scores. Their play seemed flawless, and when Coach McCarthy sent in two substitutes after about ten minutes of play, the scoreboard read M. I. T. 23, Newport 2. For awhile play was more even as Kaiser, the visiting captain, found his eye and put in two baskets from midcourt. Then followed the most brilliant bit of individual work of the entire game as O'Brien, Technology left forward, made three baskets in less than a minute. With the end of the half drawing near, both coaches sent in entirely new teams, and the whistle found them battling on even terms with the score reading, M. I. T. 30, Newport 8.

Newport Players Miss Many Shots

Both teams started the second half with their original lineups, with the exception of Walden at forward for Newport in place of Ferraro. Again the Naval Station men were the more aggressive, but, as in the first half, they displayed a need of shooting practice, missing several easy chances to score. Their efforts soon seemed to tire them, however, for once more a flurry of Technology scoring commenced, the baskets being made with monotonous regularity.

Hardly five minutes of the half had
(Continued on page four)

FRANCIS L. STUART TO ADDRESS C. E. S.

President and Secretary of The
A. S. C. E. Will Speak

Francis Lee Stuart and George T. Seabury '02, president and secretary respectively of the American Society of Civil Engineers, will be the speakers at the next meeting of the Technology Student Chapter of this organization on Friday, December 11.

Mr. Stuart is a well-known transit engineer and was consulting engineer for the Hudson River Bridge. Mr. Seabury is a graduate of Course I, and a recognized expert on Water Supply.

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"IT IS BETTER TO GIVE . . ."

LONG ago, in an inspired moment, one of the graduating classes donated to the Institute the first "class gift." It was not new custom; many other institutions were experiencing the same thing, but it never took a very strong hold at Technology, at least we see few mentos of this sort around the School.

In 1922 the Senior Class inaugurated the endowment system, which allowed those men who so desired to sign a form of contract by which they agreed to donate to the Institute a small sum of money annually for twenty-five years. With this the "class gift" took on new proportions, but lost all sentimental associations which it logically should have. Then as the enthusiasm for this suffered diminution, the insurance companies seized upon the idea and incorporated a few more agreements and a few more drawing cards, but the enthusiasm for the Senior endowment insurance lasted only a few years. At any rate, the Class of 1931 decided not only to discontinue Senior endowment, but the group completely ignored the idea of any gift whatsoever. What of 1932?

It is irony in its most ironic sense to suggest an elaborate or an expensive gift to this year's Senior Class. It may be slightly out of order to suggest that any gift be considered. We are at present in no position to know exactly what may be the feeling of the Class toward leaving behind it some tangible indication of its appreciation for Technology. It does seem proper, however, that the matter receive more than passing thought. While there may be little actual or ostentatious indication of student sentiment toward the Institute, many men may be sufficiently inspired to make a drive for a small gift very successful.

Certainly some effort should be made by the officers of the Senior Class to determine the attitude of that class toward a gift. There is no harm in sounding out student opinion, and the actual testing of the willingness of individual students to contribute to a fund may show a startling number of men who wish to express in some small way an appreciation for Technology and all that it stands for.

DIVIDED CLASSES

SEVERAL times each year the members of the classes at the Institute get together for a social occasion of one sort or another, and once a year the members of each class vote for the men they wish to run the affairs of the group. Beyond these few social occasions and the annual balloting, Technology undergraduates seldom meet or have any relation with each other as members of these large bodies.

The Senior Class graduates as a unit, as a body often referred to as a consolidated whole. But what type of body is it: loosely joined at best and made up of numerous small groups of men with the same professional interests. Within these small subdivisions of the student group one expects a better spirit of cooperation, better acquaintance, and more friendliness than is present between the members of the Senior Class as a whole. Working together, attending the same lectures, meeting the same problems, and being interested in the same things, the graduating men of a particular course form a professional group more closely bound than the Senior Class.

This is natural, for every man is first a member of his small professional group and then of his Class. The Institute graduates, not a single unified group, but a loosely joined body made up of small units each interested in its own particular work.

The existence of such groups of students within the classes is of distinct value. Through the activity of these groups, the various professional societies are maintained. They promote respect for the Institute among outside engineers, for it is to these smaller bodies that the expert presents his subject. Finding an understanding and interested group, the outsider receives a better impression of the Institute and carries away a greater respect for it than he might were he to speak to the whole of a class.

The SPECTATOR

Sloppy or Not?

"Tubby" says that college girls are sloppy, and the more educated, the sloppier. Now that the preliminary barrage of remarks about Tubby's publicity methods has passed over, we can get down to business and discuss the actual subject of his latest outburst.

The Spectator has grave doubts as to the accuracy of Tubby's observations. In the first place, it is quite certain that Tubby is near-sighted, and that he could never really get near enough to a college girl to tell whether she was sloppily dressed or not. The force of this criticism is not apparent until you realize that no one can really get next to Tubby; there is a certain minimum distance, fixed by the mean radius of his equatorial periphery, inside of which you simply cannot penetrate. This fact once led an acquaintance of the Spectator to express the opinion that Tubby is incapable of seeing beyond his own waist-line; considerable evidence in support of which might easily be found in some of Tubby's works. Whether this is true is not very important in the present discussion, as Tubby has probably not danced much with college girls in the last few years, anyway.

The Spectator inclines to the opinion that Tubby knows no more about women's dress than most other professors of English. Furthermore, knowing professors of English, the Spectator is inclined to give the college girls a break. And that goes for Technology co-eds, too, incidentally—popular tradition, stale jokes, and the Lounger notwithstanding.

Rumor Roast

As a newspaperman and a reputable representative of the discredited but honorable profession of journalism, the Spectator suppresses with difficulty a grunt of disgust whenever a copy of the Dorm Rumor crosses his path.

A newspaper has an editorial column, so that the editor can give vent to his opinions on this and that. The rest of the paper is used for publishing news. The Rumor is different. It is all opinions, and no news. A superficial glance will show you that it has no editorial column; but a more searching perusal will disclose that it doesn't need one. Rather than say that it has no editorial column, you would say that it has nothing but editorial columns.

There is an opinion in every line. You don't have to read between the lines, because the writer doesn't suppress anything. He simply writes down all his thoughts on all subjects, and delivers them to the mimeograph. His subjects range all the way from the morals of bulletin-board defacers to the advantages of buying a tux. If there is anything that he has not touched on, you may expect it in a future issue.

And whose opinions are they? Well, that is a deep, dark secret; for the Rumor has no mast-head.

As We See the MOVIES

Loew's State

"Cuban Love Song," the feature picture at Loew's State this week, portrays the adventures and love affairs of a young Marine who is stationed first in San Francisco, then in Cuba, later in France and finally settles down in New York City. The part of the young Marine is played by Lawrence Tibbett, who indulges in a considerable amount of singing which becomes tiresome at times.

The little Cuban peanut vender who falls in love with "Terry" the Marine, is played by Lupe Velez in a very realistic manner, as is usual for Lupe Velez to do in this type of characterization.

One scene in particular, which is very spectacular as well as an indication of excellent photography, presents "Terry" in mental conflict as to what his next move should be. His old self appears off to the side as a transparent image, talks to him, and finally the old and young "Terry" sing together with actual harmony.

The comedy which accompanies the feature show presents a multitude of very amusing incidents in the life of two Foreign Legionnaires, played by Laurel and Hardy. D. H. C.

VOSS PRESENT AT HOME CONFERENCE

Representative of Course XVII Tells of Developments At Last Meeting

Returning from the President's Conference on Home Building and Home Ownership, which met in Washington last week, Professor W. C. Voss, who represented the department of Building Construction at the meetings, stated that the three important developments of the Conference as he saw them were the bringing to the fore of the facts that it is the middle class man who does not own his home, that the exploitation of home ownership through the present unsatisfactory method of rediscounting second mortgages was one of the main contributing factors to this condition, and that some new form of financial structure where loans could be made more nearly to the full value of the property in permanent investments will be the solution of the problem.

At the request of A. P. Greensfelder, head of the Committee on Construction, and president of the Associated General Contractors of America, Professor Voss spoke before the meeting of that committee, telling what training the department of Building Construction offers to future builders.

Object of Conference

The conference, which was attended by 3500 delegates representing all groups connected with and interested in home ownership and construction, was called by President Hoover a year after a general committee began working, for the purpose of determining a method by which the building of small homes could be financed so that a greater portion of the population could live in its own homes.

The intention was to find a way in which small homes could be financed on a 25 per cent down payment, the remainder to be provided in a manner the Conference might suggest.

Conference Was Success

Professor Voss said that in his opinion the Conference was a great success and was another tribute to Hoover just as was the somewhat similarly managed Child Welfare Conference. From the meetings it was suggested that an Institute to correlate the information obtained at the various committee meetings and to secure its printing and distribution be established.

It is possible that the Conference may assist the present situation of unemployment, said Professor Voss, but its main object is more far-reaching than this.

ATHLETIC SITUATION WILL BE DISCUSSED

School and College Association To Consider Over-Emphasis

In view of the fact that the present condition of undergraduate athletics in numerous colleges and universities throughout the country has been the subject of much discussion and the occasion for much criticism at some institutions, this subject will come under discussion at the annual meeting of the New England Association of Colleges and Secondary Schools to be held this week.

Over-emphasis of athletics, especially football, calls forth this discussion. At the Friday morning meeting when the subject will be presented, Dr. Frank P. Day, president of Union College, and a strong advocate for modification, will present his views. The director of athletics at Medford High School, and the State Supervisor of Physical Education will also speak.

Princeton this fall will dedicate a new scientific building erected in memory of Dean Henry Burchard Fine, former Princeton mathematician. One of the features of the structure is the mathematical equations and geometric figures which appear in the stained-glass windows.

Students at the University of Hawaii have come to the conclusion that large families are one of the reasons for so many wars.

Be Popular. Learn All The Latest Ballroom Dances. Private lessons at any time. Class every Tuesday evening at 8.30. Special rates to students. Young Lady Teachers. The Papanone Studios. 1108 Boylston Street, Boston. Near Massachusetts Ave. Telephone, Commonwealth 8071

ARTISTS MAY COMPETE NOW IN NEW CONTEST

Designs for Bicentennial of Washington Wanted

Now that the poster contest of the Musical Clubs is over, all the aspiring artists of Technology will be looking for another chance to display their talent. Here is the one they are looking for; a contest is now being sponsored by the George Washington Bicentennial Committee of Boston for a design for use on a sticker, stamp, or poster.

As can be guessed from the name of the committee, the idea is to celebrate the bicentennial of Washington's birthday. The primary requirement is that the design shall include prominently to the casual observer something that will strikingly indicate Boston as well as the two hundredth anniversary of the birth of Washington.

Everybody can enter the contest: skilled, unskilled, amateur, professional. It is requested that all designs submitted be on uniform size cardboard, 12 by 18 inches. The contest will close Thursday, December 17. No prize is offered, but arrangements for its use will be made with the winner.

THE EDITORIAL SPECULUM

It is the stock comeback of all students who are twitted about the incorrectness of their spelling that it's "original if nothing else." Perhaps so, yet no one considers that a sufficient excuse. . . Spelling can neither be original or almost standard to be acceptable in modern life. It is either absolutely correct or it isn't. And if it isn't, hard-hearted English instructors are apt to take their trusty blue pencils in hand and get to work.

Yet in the good old days, say, rather in the far distant past, an entirely different attitude was taken towards originality in spelling. There was no standard and rigidly-fixed form for every word and if a person wanted to follow his own whims while writing a letter, why that was his own business, provided of course that the words were recognizable. In those days a desire to spell queerly was not considered an ignoble passion, something to be sternly suppressed, but on occasion, an almost charming personal trait, like the little tricks of speech some people have which add much to their personality. George Washington is a classical example. There are others who had a tendency to be revolutionary and radical in their spelling, including good old Samuel Johnson.

Alas, such things cannot be in this age of standardization, and so we must bow our heads and bear ourselves in patience against the tyranny of the dictionary.

CAPTAIN OF SQUASH TEAM TO BE ELECTED

Jack Summers, squash coach, announced that the team will meet tomorrow in Room 4-138 at 5 o'clock to elect a captain. The varsity team was defeated last Friday in a meet with the B. A. A. Class "C" team, and on Saturday the Faculty-Graduate team lost to the B. A. A. Class "B" team. The freshman team was whitewashed by members of the Salem Club in a game which was also played last Saturday.

Miss Levaughn Dennison, a co-ed at Ohio State University, has invented a "vest pocket" cracker, which it is believed contains all the staple elements in the human diet.

LYDIA DINNER LEE 45c up BREAKFAST-DINNER Opposite Aeronautical Laboratory

Meet Uncle Sally AT BRATTLE HALL Brattle Square, Cambridge At 8.15 p.m. December 9, 1931 Admission 50 Cents University Lutheran Players

Hockey Team Shows Power In Scrimmage

Coach Duplin Choses Two Teams In Friday's Practice To Face Harvard

In a practice session last Friday, the varsity hockey team opposed a powerful Boston University squad in the Arena. For a pre-season game, the Beavers displayed a very promising brand of hockey. Milliken, Sophomore goalie, and a member of last year's freshman team, showed up very well in the net and is credited with making several very fine stops.

Coach Vic Duplin placed on the ice the two teams that will probably see service against Harvard on Wednesday.

Team 1: T. W. Regan, Capt., l.w.; J. R. Fahey, c.; R. S. Thompson, r.w.; J. A. Hrones, l.d.; J. A. Hayes, r.d.; F. R. Milliken, g.

Team 2: W. Silverman, l.w.; R. M. Cochran, c.; C. H. Marvin, r.w.; F. C. Johnson, l.d.; H. W. Eagan, r.d.; D. Whiston, g.

Atheism is spreading rapidly in European as well as American colleges. In reply to a questionnaire, ninety per cent of the students of the University of London expressed a disbelief in God.

Holds E. E. Colloquium on Problems in Radio

General Electric Engineers To Illustrate Lectures By Apparatus

"Development of Instruments for the Direct Observation of Performance Characteristics of Communications Equipment," will be the subject of the next colloquium to be held by the department of Electrical Engineering on today and tomorrow, in Room 10-275, from 2 to 4 o'clock.

Today, the topic to be discussed will be

"Broadcasting and Sound Recording," and on Tuesday it will be "Radio Receiver Manufacturing" and "Problems Involving Measurement of Time." The speakers will be Mr. J. W. Horton, Chief Engineer, Mr. W. N. Tuttle, Mr. J. K. Clapp '23, Mr. C. T. Burke '23, Mr. A. E. Thiessen, and Mr. H. W. Lamson '15, members of the engineering staff of the General Electric Company. Several of the points discussed will be illustrated by means of suitable apparatus.

The colloquium is open to Seniors, graduate students, Junior honors students, and members of the staff of the department of Electrical Engineering. In order to obtain the maximum benefit from the

presentation, it is suggested that students arrange to be present both days.

The Yale Daily News has discovered that in 1884 the football season at Yale netted the school \$3500. Of this amount \$25 was used for training expenses.

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See radio page of local newspaper for time

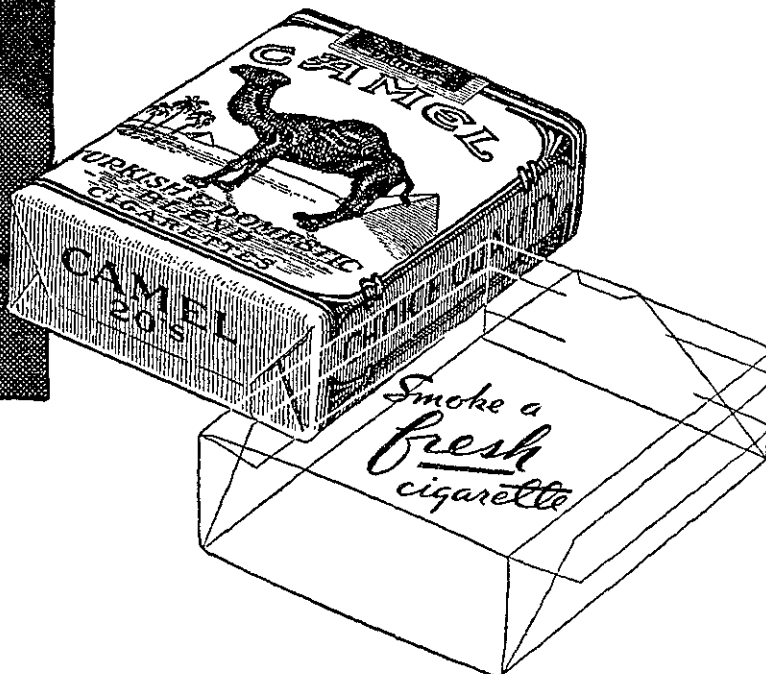
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OFFICIAL BULLETINS OF GENERAL INTEREST

Colloquium Electrical Engineering

Monday, December 7, 2 p.m., Room 10-275

1. Introduction. Mr. J. W. Horton.
2. Broadcasting and Sound Recording:
 - a. Maintenance of Quality. Mr. W. N. Tuttle.
 - b. Maintenance of Frequency. Mr. J. K. Clapp.

Tuesday, December 8, 2 p.m., Room 10-275

3. Radio-Receiver Manufacturing:
 - a. General Investigations. Mr. C. T. Burke.
 - b. Production Testing. Mr. A. E. Thiessen.
4. Problems Involving Measurement of Time:
 - a. Maintenance of Fundamental Standards. Mr. J. K. Clapp.
 - b. Miscellaneous Time Measurements. Mr. H. W. Lamson.

Open to Seniors, graduate students, Junior honors group, and members of the instructing staff.

Physics and Physical Chemistry Harvard University

Monday, December 7, 4.45 p.m., Cruft Lecture Room

1. "L-Satellites of the Heavy Elements." Professor F. K. Richtmyer (Cornell University).
2. "The Hyperfine Structure of Ba II Lines." Professor R. C. Gibbs (Cornell University).

Tuesday, December 8, 4.30 p.m., Cruft Lecture Room

Harvard-Technology Seminar:
"Statistical Mechanics and the Vapor Pressure Constants of Gases, II."
Dr. T. E. Sterne

Tuesday, December 8, 5.00 p.m., Room 4-270

"Physics as a Career." Professor A. C. Hardy.

CALENDAR

Monday, December 7

- 5.00 p.m. — Banjo Club rehearsal in East Lounge of Walker Memorial.
- 5.30 p.m. — Massachusetts Safety Council dinner meeting in Faculty Dining Room of Walker Memorial.
- 7.00 p.m. — Alpha Phi Delta acquaintance meeting in Grill Room of Walker Memorial.

Tuesday, December 8

- 6.00 p.m. — A.I.E.E. dinner meeting in North Hall of Walker Memorial.
- 6.00 p.m. — Gym Team dinner in Grill Room of Walker Memorial.
- 6.00 p.m. — Instrumental Club rehearsal in East Lounge of Walker Memorial.
- 8.00 p.m. — Armenian Club play rehearsal in West Lounge of Walker Memorial.

Wednesday, December 9

- 6.00 p.m. — Tech Boat Club banquet in Grill Room of Walker Memorial.
- 6.00 p.m. — Mining Society dinner meeting in Faculty Dining Room of Walker Memorial.
- 7.30 p.m. — Sleepy Hollow Boys orchestra rehearsal in East Lounge of Walker Memorial.
- 8.15 p.m. — Hockey game with Harvard at Boston Garden.

Undergraduate Notices

MINING AND METALLURGY

There will be a banquet of the Mining and Metallurgical Society at the Ole Plantation, one block east of Trinity Cathedral on St. James Street, near Copley Square, at 6.30 o'clock on Wednesday, December 9. Some fine speakers have been arranged for.

FRESHMAN BASKETBALL

All freshmen reporting for basketball on Tuesday at the Hangar gym will report on Monday at the same place. There will be no practice on Tuesday.

Infirmiry List

Burke, James '34
Chadwick, T. A. (graduate)
Dwight, Charles
Fuller, Wallace (unclassified)
Plass, Herbert R. '34

"Fun is the most important thing in college," says Professor Frank B. Snyder of Northwestern University. Friendship, cast, and faith are the other three fruits of a college education. "Fun" was defined as exercising the "muscles of the mind."

"Physics as a Career" is Subject of Address

Physical Society Secures Prof. Hardy to Address Its Members

"Physics as a Career" will be the title of Professor Arthur C. Hardy's lecture to the Physical Society tomorrow at 5 o'clock in Room 4-270. The Physical Society is offering to its members this year a series of addresses by different members of the Physics Department. Professor Hardy is in charge of Optics and Photography and has had considerable contact with men outside of the educational field and thus is well informed on the subject of his address. Anyone who is interested is cordially invited to attend, especially members of Course VIII.

Rifle Team Beats Marine Corps By Score of 877-855

Lyon Scores Highest Point For Engineers. Foote Ties Sgt. Easterling

Winning its first match of the season, the Institute's rifle team downed the Marine Corps from the Charlestown Navy Yard 877-855. The match was held Friday, December 4, in the Institute's Rifle Range.

This match was not only the first match for the Engineers, but also it was the opening shoot of the Marine team's season. Both prone and standing positions were used, with a possible 200 points for each man's score. Eight men shot, representing the Institute, but the scores of the five highest were counted.

Lyon's Score Highest

Lyon made the highest score for the Beavers, making a score of 182, eclipsing that made by Sergeant Easterling of the Marine Corps, who won the Camp Perry championship of last year.

Following are the scores: M. I. T., Lyon 182, Foote 178, Moomaw 176, Hodges 171, Hamilton 170. Marine Corps, Easterling 178, Yeaton 176, Richards 173, Treilling, 170, Whitehouse 158.

A course in Dalcroze Eurhythmics is offered at Western Reserve University. In case there is any doubt about the nature of this course, it is the study of the elements of music through movements. Incidentally no credit is given for the course.

SECTION LEADERS TO DISCUSS DANCE PLANS

Section leaders of the freshman class will meet today at 5 o'clock in the West Lounge of Walker Memorial. Plans for the freshman dance that will be held on December 19 will be discussed. The meeting will be short and all section leaders should attend.

Basketball Team Defeats Newport In Initial Game

Many Substitutes See Action As Engineers Triumph By 57 to 14

(Continued from page one)

passed before the substitutions began, Eckberg of Newport went out on personals and soon after Coffey and O'Brien were withdrawn, getting a big hand from the crowd. Technology substitutions followed in large numbers, until McCarthy's entire squad had participated. The closing minutes saw the opponents make a few desperate baskets against the Institute's third-stringers, the final count being 57 to 14.

O'Brien Leads in Scoring

Each member of the first team did outstanding work. O'Brien, last year's freshman star, led all the players in scoring by sinking seven field goals and two foul shots for the impressive total of sixteen points. Being one of the fastest men on the floor, most of his scores were made from under the basket, and came as a result of his consistent ability to outrun his opponent.

Coffey, the other forward, played a very steady game, and shot with deadly accuracy at long range. Though he played comparatively little, he made eight points.

Captain Harry Johnson at center was second in the scoring with four baskets and a free toss. Especially noticeable were his accurate passing and his ability to get the ball off the Newport backboard.

Both the regular guards, Fred Feustel and Adam Sysko, played sterling games. The former was the leader in the early first period splurge, and finished with a scoring total of eight points. Sysko was, all in all, the best defensive man in the game, breaking up many Newport passes. In addition he made two beautiful long shots.

Walden, who was not even rated as a regular, and Kaiser, the All-Navy football player, were the sparkplugs of Coach Franey's Newport attack. The sailors put up a game but losing fight. They seemed to lack practice and experience, being no match for the smooth-working Engineer offense.

The game, refereed by "Smoke" Kelleher, attracted a good crowd, which filled most of the stands. They seemed much amused by the efforts of the Technology substitutes.

Technology's next game is with Rhode Island State on Tuesday, December 15, and will be played away.

Saturday night's lineup:

M.I.T. Varsity			Newport Naval		
G	F	P	G	F	P
O'Brien, lf	7	2	Ferraro, lf	0	0
Oldham	1	0	Walden	0	2
Hale	1	0	Kaiser, rf	3	0
Coffey, rf	4	0	Thorburn, c	1	0
Coon	1	1	Kelly	0	0
Johnson, c	4	1	Dandino, lg	0	0
Crosby	1	0	Geer	0	0
Struck	0	0	Eckberg, rg	0	0
Feustel, lg	4	0	Sturgeon	0	0
Amenta	1	0	Hughes	0	0
Wemiller	0	0			
Sysko, rg	2	1			
Emond	0	0			
Orr	0	0			
Steele	0	0			
Totals	26	5	Totals	6	2

Referee: Kelleher. Time of halves: 20 minutes.

In this day of depression, preservation takes a stronger hold. A machine has been installed at the University of California for the purpose of shining the shoes of the football squad. It is hoped that this process will lengthen the average life of the shoe.

At Susquehanna College couples must carry pocket compasses about with them, in order to determine the whereabouts of portions of the campus which they may or may not trespass after dark.

LITERARY OPINIONS TWO BITS PER EACH

The price of literary advice comes high, and even so high as 25 cents per opinion, when one comes down to it. Accordingly, several young literary men and women regularly receive checks for such an amount from the children's book division of one of the book-of-the-month clubs.

Just as theaters try their productions, the selectors of the books try them on the "quarter board" of editors, a group of children ranging in age from six to sixteen years of age. The reviewers take the matter seriously, too, for regular reports are received from them soon after the long proof sheets are sent out.

ERRATA

THE TECH wishes to rectify an error that appeared in the last issue. In the article on the revival of the "Tech Circus" Francis S. Chambers '32 introduced the motion to the Institute Committee instead of Leland M. Burr '32, as was announced.

In regard to the article on suspension of freshmen rules, the rules will be suspended at 10 o'clock in the evening on December 19 rather than at 9 o'clock in the morning.

Musical Clubs Will Feature Floor Show During Intermission

Tap Dances And An Accordion Specialty Act Will Follow Supper

Tap dancing by Victor Collymore, who did a specialty act at the Spring Concert last year, will be the feature of a floor show during the intermission at the Musical Clubs Christmas Concert and Dance. There will also be an accordion specialty number by Marvin Silberman '34.

Refreshments will be served to the dancers from 11.45 to 12.30 o'clock, with a special supper for the matrons and management of the Clubs in the Grill Room. The floor show is to start at 12.30 o'clock, giving the members of the orchestra an opportunity for rest and refreshment.

THE PROGRAM

The program will include the following selections:

- Banjo Club
 - Old Favorites — arranged by Louis Tacoben
 - Marche Militaire — Shubert
- Glee Club
 - Sylvia — Speaks
 - Lullaby — Brahms
 - John Peel — arranged by Mark Andrews
 - Merton S. Neill
 - Xylophone solo — accompanied by Harold Traver
- Instrumental Club
 - Overture to "Gloriana" — A. J. Weidt
 - "Les Patineurs" waltz — Waldteufel
 - "Black Rose" overture — Brockton
 - Edward Donahue
- Piano solo
 - Glee Club
 - Take Me Back To Tech — Litchfield
 - A Stein Song — Bullard

Six Men Represent Technology at N. E. College Conference

Delegates To East Northfield Meeting Appointed By President

Two members of the Faculty, Professor Leicester F. Hamilton and Professor Walter M. Fife; Wallace M. Ross, general secretary of the Technology Christian Association; and three students, Norman O. Paquette '32, Charles H. Pierce '32 and Richard R. Hall '33, president of the T. C. A., represented Technology at a New England student-Faculty conference which was held in East Northfield during the past week-end to further the responsibility of the colleges to the outside world.

President Karl T. Compton appointed the delegates for the conference at which representatives of New England colleges, including Harvard, Dartmouth, Brown, Boston University, Technology, Radcliffe, Wheaton, Smith and Mt. Holyoke were present. The group left from the North Station on the Minute Man last Friday and returned yesterday.

Round-table discussions constituted the greater part of the program. The general subject was "The function of the University in Modern Life and the Responsibility of the Academic World to Contemporary Civilization." The discussions were led by Faculty members selected for their interest in and their knowledge of the subject.

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Technology Cross Country Runners Receive Letters

Captain Gilman and Kearns Get Straight "T"s"; Others Receive "cTc"

Donald B. Gilman '32, captain of this year's track team and John E. Kearns '32, have been awarded the straight "T" by the M.I.T.A.A. for outstanding work in cross-country running. Both of these men are Seniors and their graduation will be a great loss to both the track and cross-country teams.

This fall Captain Gilman had a good season. In the quadrangular meet at the beginning of the year he placed sixteenth in the field and was second of the Technology runners. Against Holy Cross and New Hampshire he finished fifth in the field in both meets and was the second cardinal harrier to finish in the former and first in the latter. At the New England Intercollegiate, Gilman again was the first Technology man over the line and seventh from the field. However, in the stiffer competition of the I.C.A.A.A., he finished 52d in the field and was the third of the M. I. T. runners.

Kearns Earns "T"

Kearns, Gilman's running mate, also had a good year. He was at his best in the quadrangular, Holy Cross, and I.C.A.A.A. meets, in which he was the first of the Technology men to finish. In these runs he placed 14th, 4th and 38th, respectively. Unfortunately he was forced to stay out of competition in the New Hampshire race because of a bad leg, but in the New England meet he showed his old form to capture tenth place in the field and be the second Engineer to cross the finish line.

Other men of the team who have been awarded "cTc" because of their consistent work are: John C. Barrett '34, Ellery D. Clark '33, Paul M. Gerhard '33, and Charles W. Hall '34.

Winthrop F. Conant '32, although he did not place high in the meets, was awarded his letter because of his conscientious work in track during his four years at the Institute.

Freshman Numerals

Members of the Class of 1935 who took part in two-thirds of the meets and who have been awarded their numerals are: John D. Holby, Captain, Clarence R. Horton, John C. Alden, Douglas Chalmers, Donald C. Fenton, Clark Nichols, George F. Lincoln, Edward C. Rees, William L. Root and John E. Talbert.

FIRST BASKETBALL DANCE IS SUCCESS

Pronounced a great success, the first of the informal dances sponsored by the Beaver Key was held Saturday night in the Main Hall of Walker Memorial after the basketball game with Newport Naval Academy.

A large crowd, most of which attended the game in the Hangar Gym, came over to Walker immediately after the game, and dancing commenced at once. The Technicians played, while colored lights furnished the decorative feature of the evening.

Officials of the Beaver Key reported that more than two hundred couples attended the dance. This is one of the largest numbers ever to attend a dance after a basketball game. Dancing lasted from about 9.30 o'clock till midnight, with refreshments served at 11.30 o'clock. Mrs. Wallace M. Ross acted as chaperone.

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- 1080 Boylston Street
- 34 Bromfield Street
- 540 Commonwealth Avenue
- 204 Dartmouth Street
- 105 Causeway Street

ALLSTON
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CAMBRIDGE
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