

CLARENCE DARROW, NOTED LAWYER, TO SPEAK TODAY AT LIBERAL CLUB MEETING

ONE OF GREATEST ORATORS IN THIS COUNTRY TODAY

Fame Rests on Many Noted Cases
at Which He Took Up Cause
of the Defenceless

KNOWN FOR SCOPES TRIAL

Subject of Address and Room
Will be Announced by
Liberal Club

Clarence Darrow, one of the greatest lawyers and orators in this country, will address the student body this afternoon at a special meeting of the Liberal Club. He has not announced the subject of his talk as yet. The meeting will be held at 4 o'clock.

Mr. Darrow is well-known throughout the land for the famous Scopes trial at which he championed the evolutionists case against the fundamentalists who were led by William Jennings Bryan. His debate with the silver-tongued orator in a small town in Tennessee produced some of the most sensational stories of the year. This trial was of special interest to Technology.

In the Loeb-Leopold case, Mr. Darrow originated the plea of insanity. It is to this man that many of the present murder defence attorneys owe their gratitude. To the Loeb-Leopold trial, Mr. Darrow called scientists, psychiatrists, psychoanalysts, psychologists and insanity specialists. The resulting verdict caused such widespread comment that Clarence Darrow rose immediately to a position of recognition in the field of criminal law.

But his fame is mainly due, not so much to this case as to his subsequent activities, among which is recorded the Scopes trial. His interests have always been with the so-called common people. During these past few years, Mr. Darrow has taken up the cases of the poor who could not afford counsel and in practically every instance won for

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B. U. Re-Locates On Southern Bank Of Charles River

Plan for Erection of New Campus
Between Commonwealth Ave.
and River Bank

Always sharing Boston's educational prestige, Technology and Boston University are soon to be near neighbors. In his third annual report to the Trustees and Senate of the University, its president, Daniel E. Marsh, released architects' plans and perspective drawings for the proposed development of Boston University's new campus on the banks of the Charles River.

While the action came as a result of the material progress in the university during the past year, the president emphasized the fact that to expect the consummation of the plan at once would be irrational. Rather are they looking quite a distance into the future. He declares that their ideal can be attained by working steadily, and at all times, for its furtherance.

Preparations for Battle Are Made By Publications

T.E.N. and Voo Doo to Clash
Tomorrow—Good Game
is Expected

An unusual amount of interest has been aroused this year by the classic catch-as-catch-can football game between T. E. N. and Voo Doo to be held tomorrow at 2:30 on Tech Field. It seems that an anonymous member of one of the staffs has presented a cup to be awarded the winner of this year's tussle. Great interest has been aroused among the members of each publication as to the exact nature of the cup and speculation has been rampant. One rumor has it that the cup is of solid gold with the letters 'T. E. N.' engraved on one side and 'Voo Doo' on the other.

Another story that has not been thoroughly investigated asserts that the cup was originally intended for a vastly different purpose from the one to which it is now to be put and is of a most strange shape for a 'loving cup'. But be that as it may, the cup is to be displayed in some prominent place as soon as it arrives, probably with a guardian from each publication on either side.

Voo Doo seems to be relying this year on its feline activity to give it the punch necessary to win the day in the big event. But the followers of the Green Dragon have smelled a mouse, as it were, and are depending on the old adage that "practice makes perfect" to bring home the bacon. It seems that the teams are very well matched and the game should offer something more than the usual one-sided affair that has happened so often before.

CLUBS PREPARE FOR CHRISTMAS CONCERT

Program Concludes with Dance—
Music by Tecthonians

Plans are being completed by the Combined Musical Clubs for their Christmas Concert to be given December 14 at Longwood Towers in Brookline. Tickets will probably be on sale in the Main Lobby the last of this week at \$4 a couple or \$2.50 for stag tickets. Longwood Towers was chosen for the event this year, as it is believed that it offers much better facilities than Whitney Hall, where the concerts have been held in the past.

A varied program will be presented by the Clubs from 8:30 until 10 o'clock, after which the Tecthonians will furnish music for dancing between 10 and 2 o'clock. The Musical Clubs' Christmas Concert has always been one of Technology's leading social events, and it is hoped that the affair this year will meet with as enthusiastic a response as usual.

WATER PRESSURE IN BUILDINGS RAISED

New Pump System Will Bring
Pressure to 50 Lbs.

Recently, the lack of sufficient water pressure has made itself apparent and often exasperating in the upper floors of the Institute buildings. The pressure has always been low in Cambridge, but since the erection of the New England Confectionary Company factory, the pressure at the Institute has frequently been as low as five pounds. To overcome this, a pump and compressed air system is being constructed into the Institute water supply, and will shortly be in operation. This will afford the needed increment in pressure, and is calculated to furnish a continual supply of water at 40-50 pounds.

Tech Student Loses Belief in Chivalry

Shades of the doughty King Arthur and his chivalrous horde of packed-in-tin knights! One sobbing grief-stricken engineer has proclaimed the death of all chivalry. It seems the unfortunate was rolling along in his chariot when a fair damsel in distress hove in view. She was hung up on the side of the road with a flat tire. Our hero dashed to her assistance, and, after wrestling with rusted bolts, obsolete lugs, and dirty grimy tires, succeeded in changing the shoe. He straightened up, glorious in his dirt, and looked for his reward. The fair damsel shyly blushed and whispered, "I've often had to change them myself, but I hate to get dirty on Sunday." One more disillusioned engineer, and the world rolls on with only the wails of shattered ideals prevailing.

ENGINEER TO SPEAK ABOUT SEA POWER

Mr. Georges Claude, Member of
French Academy Will
Give Address

Georges Claude, the distinguished French scientist who has discovered many scientific processes and whose plan to draw power from the ocean has aroused widespread interest, will deliver a lecture at Technology at 4 o'clock tomorrow afternoon. The lecture, which will be given in Room 10-250, because of the unusual interest in the speaker, will be open to all interested in addition to members of the faculty and students of Technology.

Dr. Claude has been attending the International Conference on Bituminous Coal at Pittsburgh where he spoke on inventions and scientific research. M. Claude was among the first to liquify air and separate its constituents on a commercial scale. He is also noted for his processes for the fixation of nitrogen.

In a report before the Academy of Sciences in France, M. Claude announced last month that he had been successful in experiments to obtain the valuable and very rare gases, krypton and xenon from the atmosphere. Xenon, used for laboratory purposes, sells in England for almost the same price as radium. Although the air contains only about one-millionth part of Xenon, M. Claude reported he had succeeded in obtaining several litres in one day. He further reported that these valuable gases apparently are more frequently found in gases dissolved in water, and he is now carrying on research for means of recovering the gases from sea water.

ANCIENT ASSYRIAN BRICK ON DISPLAY

Other Exhibits Are Old Wood
Locks, and Slate

Brick from an ancient Assyrian dwelling 7000 years old, a chip from the famous warship, Constitution, and a block of oak which was kept 78 years under water for the repair of the Constitution are a few exhibits which Professor Ross F. Tucker, head of the department of Building Construction, keeps on display in Room 5-240.

One case contains the various types of locks, opened in order to display their mechanism. Each year an expert comes to show how master keys are used and to demonstrate improved methods in lock picking. Professor Tucker explained that the lock is not made that is entirely burglar proof. Samples of Douglas fir stained for decorative purposes, are flanked by a display showing a specimen of a panel of sand blasted fir. The sand cuts away the summer wood which is of softer texture, leaving the harder fall wood and bringing out the grain.

One exhibit is a cut-away section showing the successive steps in the application of stucco and the various finishes which may be applied to it.

TECHNOLGY'S HOPES REST ON THORSEN IN MEET AT VAN CORTLANDT PARK

Tryouts for The Tech Show Begin Tomorrow Night

Thirty-one Parts Are Open to
Students—Skits Handed
in to Coach

On the heels of an announcement that he had received several skits from a number of undergraduates, Mr. William C. Greene Jr. says that he will conduct a series of tryouts in the Tech Show office tomorrow night at 7:30 o'clock. All men interested in taking part in this year's production should be present in order that a fairly definite assignment of parts in the cast can be made.

Six New England farmers, four sailors, six policemen, twelve pirates, and three children are needed so that an opportunity will be given to all aspiring actors. It is expected that all men who were in the show last year besides many new men will turn out to make the production a success.

While the number of skits received this year has been quite satisfactory, a few more would be entirely appropriate and would not be rejected if they showed possibilities, according to Coach Greene. Those men who have already turned in skits or are finishing them at the present time are Willard J. Slagle '29, Jerome B. Geisman '29, Russell Stetson '30, Hunter Rouse '29, William B. Schneider '31, John M. Cleveland '31, Robert A. Fuller '33, Marcel P. Aillery '31, Randolph H. Braxton '32, and John W. Bahr '31. Mr. Greene also states that he expects some very fruitful response from a few former Tech Show men who have generously offered to do some writing, however much it may be.

TALK ON HYDRAULICS TO BE GIVEN TODAY

Kenneth C. Reynolds Has Done
Research in Danzig

Kenneth C. Reynolds, instructor in the Department of Civil Engineering at M. I. T. will give the first of a series of lectures on "Laws of Hydraulic Similitude as Applied to Experiments with Models" in Room 1-150 at 2 o'clock today. He has been studying hydraulic machinery in Germany and the group talks will be on the latest research and development in that field.

Mr. Reynolds, who was awarded the John R. Freeman Traveling Scholarship by the Boston Society of Civil Engineers, has for the past year been studying for an advanced degree at the Technical University of Danzig. He has been doing a great deal of valuable work and is expected to return to Germany within a few weeks to continue his work.

The second lecture will be delivered on Wednesday, November 28 also in Room 1-150 at 3 o'clock. The final two talks will be given on December 3 and 5 and the time and place will be announced presently.

LOWELL LECTURE TO BE GIVEN TONIGHT

Subject Is The Climatic Factor
in Man's Environment

"The Climatic Factor in Man's Physical Environment: Ancient and Modern Views" will be the subject of the third lecture in the series of free public lectures on "Man and His Climate" that are being given under the auspices of the Lowell Institute. Professor Robert DeC. Ward of the Climatology Department of Harvard University is giving this series of lectures. Tickets may be secured by applying to the Curator of Lowell Institute.

EIGHTEEN SCHOOLS WILL ENTER I.C.4A. RACE IN NEW YORK

Cox and Reid, Former Winners
Have Best Chances for
Varsity Places

PEIN STATE IS FAVORITE

McNiff of Penn State Expected
to Cross Tape First in
Freshman Race

On Leon Thorsen will rest the hopes of the Cardinal and Gray Cross Country in the I. C. A. A. A. A. meet which will be held this afternoon at Van Cortlandt Park in New York. The Varsity race is to be six miles and the New York course is one of the best in the country.

Captain Worthen, Baltzer, DeFazio, McNiff, Herbert, Berry, and Albright are the members of the Varsity who will race this afternoon. Oscar Hedlund is also running a freshman team composed of Captain Gilman, Camerlingo, Littlefield, Conant, Green, Kelley, and Jewett.

Cox of Penn is Favorite
Bill Cox of Penn State, who has won the Cross Country Championship in two previous meets, will be the favorite in tomorrow's contest. Should he win the meet he will be the second man in the history of the intercollegiate to become cross-country champion three times. In 1912 John Paul Jones, of Cornell, won his third I. C. A. A. A. A. harrier title.

Harry L. Richardson of Maine, winner of the New Englands and runner-up to Cox last year is another of the favorites. He did well in the New Englands and is expected to run a very good race. Jimmy Reid of Harvard, third last year, will also be in the running.

Engineers Face Hard Grind
Against this group of stars the Engineers will face a long hard time, but the Cardinal and Gray harriers are out to make up for the results of the New Englands. The six mile Van Cortlandt Park course is a stiff one and the field is expected to be one of the strongest that has competed in many years.

Nat Lerner, of New York University, recent winner of the Middle Atlantic Collegiate A. A. hill-and-dale title over the Van Cortlandt Park course is one of the best men from the New York colleges. He is expected to give Cox a good battle for individual honors. Phil Edwards, also from N. Y. U., who ran for

(Continued on Page 3)

TAU BETA PI ELECTS NEW MEMBERS SOON

Announcement of elections to Tau Beta Pi, national honorary engineering fraternity, will be made shortly according to Durand Chufchill, Jr. '29, president of the society. It is expected that about fifteen Seniors and Juniors will be taken in. Initiation will take place two weeks later, following which there will be a large banquet for all members of the chapter.

Mr. Churchill attended the national convention held at St. Louis about three weeks ago. Several new chapters were added to the roll of the fraternity at that time.

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COMING! A BIG CIRCUS REFERENDUM

HOW ABOUT A 1929 CIRCUS? The Technology Circus tradition has been buried for two years. In spite of this fact there are many of us who favor an attempt at resuscitation because we realize that the Circus can be a powerful influence in helping to break down some of our undergraduate snobbishness by removing that strained and often painful atmosphere which exists between so many students.

The Circus was abandoned because it had degenerated—turned into a drunken brawl, and as such was an event that could not be organized or run as an official Technology function. The excellent good fellowship, the old-clothes spirit, and the concentration of student enthusiasm were all highly desirable attributes of the Circus. Unfortunately, however, these were accompanied by a most undesirable amount of boozing and the lack of good sense. These things killed the Circus once, but its passing caused sorrow to many of us—it almost seemed like losing an old friend.

We favor the return of a new Circus—a Circus that WILL BE A CIRCUS and not a brawl, and we are convinced that such a result can be brought about through proper interest and organization.

A display of undergraduate interest is what we want first—the organization can come later. The point of interest is the TECHNOLOGY CIRCUS—TO BE OR NOT TO BE? The jury is the student body and very shortly THE TECH will conduct a straw ballot as the means through which the jury can return its verdict.

Think it over? Do you want a Circus? How much do you want it? Will you help to make the affair a success? We will collect your opinions in a few days. Prepare yourself for the big referendum!

TITLES IN POLITICS

THESE past few weeks, in the home-state of President-elect Hoover, a bitter controversy has been raging between the president of the University of California and several important faculty members over the right of college professors to state their political preferences in public without concealing their official titles.

In a letter to the press President Campbell attacked forty-eight teachers of the university for appending their titles in a telegram of good-wishes which they sent to Governor Smith shortly before the election. Although the telegram did not in any way purport to represent university action, the president without inquiring into the facts of the affair publicly condemned these men for capitalizing their connection with the institution. This smacks of a bossism that, we supposed, existed only in the political parties.

To the president's statement eleven of the more courageous of the professors publicly replied in no uncertain manner. "It is impossible for a university professor or administrator to separate himself from his title. If that title is used in public, it is not fair to say that he is 'capitalizing his connection with the university for the purpose of promulgating his views.' . . . To demand that he take means to instruct newspaper reporters or secretaries or officers of meetings or clubs, political or otherwise, that his title must not be used requires the impossible and denies the freedom which Mr. Campbell declares that he recognizes."

It is just such instances of intolerance that should be fought by all true Americans. The bill of rights has been a dead letter in most colleges of our land, and for very good reasons from the instructor's viewpoint. Had the authors of the above statement been anybody but important members of the faculty they would have been dismissed a long time ago. President Campbell rarely hesitates to append his official title to public matters other than those concerning the university, and his condemnation of these professors is nothing short of the rankest sort of despotism. We applaud the stand of the "Daily Californian", the university paper, for a stirring rebuke of the president's actions in a leading editorial.

As We See the Movies

METROPOLITAN

There is a fortune awaiting the lucky man who will give the movie magnates a really new theme. Until then, searers after amusement in pictures will have to be content with the same old thing, brightened up and changed in spots. With that reservation in mind, go and see the Met this week. "Manhattan Cocktail," while essentially trite, has some rather high moments.

A playwright who produces voluminous scripts of Hellenic tragedies vies with a star in college theatricals for the heart of the popular co-ed. As Babs Clark, for whom the bright lights of Broadway have the conventional lure, Miss Carroll "emotes" convincingly. Bob Marky (Danny O'Shea) is the typical movie college boy—"crashing" parties and conferences, overflowing with humor or grim determination as the case may be, never taking "No" for an answer. Fred Tilden, played by Richard Arlen, is the studious athlete, who rescues the sweet girl from the fate awaiting her. Oh, it all goes along very well, with a villain and a vampire for good measure.

Since we must have these last roles, it is well to have them well done, and Paul Lukas as Renov, the Russian director of "Renov's Revue—a Chorus of New Faces," and Lilyan Tashman, his tantalizing blond wife, perform well. In his efforts to seduce the "fresh little country flower," Renov "frames" both her young lovers, but in the climax receives a crow-bar on the head for his trouble. Of course the whole thing ends up well, with Fred and Babs on their way "anywhere outside of New York" in the final fade out.

Remarkably clever effects relieve the dullness of the evening. Kaleidoscope pictures of New York present the metropolis in a modernistic way which is novel, to say the least. The public is by now quite familiar with the drops, ropes, chorines and so on which go to make up the "back-stage," but the directress of the picture, Dorothy Arzner, livens up the scenes in an interesting way. To her assistance comes Bert Woodruff, whose humorous acting in his role as stage doorman is not surpassed by any of the cast. Supposedly to add to the effects of the production, Nancy Carroll sings two songs. Either Paramount Pictures have not perfected these sound effects as yet, or else the talented chorus girls who roam Broadway in song and story are getting awfully gypped, for those songs are terrible!

But Fannie Brice is in town again, and if you like the husky pathos of her singing, this famed star will give you your money's worth. The humor and vividness of her impersonations is exceptional, and her own song, "Mon Homme," comes in answer to a insistent popular demand for this old stand-by. The originator of the much-copied "blue singing," she shows how it should be done.

The opening chorus of Gene Rode-mich's presentation is very pretty, and the whole performance is entertaining. "Bubbles" as the stage show is titled, is colorful and tuneful, humorous and clever. A new edition of an Apache dance, and a clowning banjo artist are high spots in the evening's production.

Away from the Grind

DELTA UPSILON

Delta Upsilon gave its first dance of the season at the chapter house on Friday, November 23. Approximately 100 couples attended. Professor and Mrs. Archer T. Robinson were the chaperones. Among those present were Captain and Mrs. Crawford M. Kellogg. The music was furnished by the Technicians.

DORMITORIES

Another Dorm dance has been announced in the "Dorm Rumor." To quote the paper: "Again we will strut to the harmonious notes of the ever-popular Collegian Ramblers (and how!). And as before the affair will be limited to seventy-five couples—the capacity of North Hall (take note, would-be crashers.) Our advice is to date up your flame now, and then dash out to see some member of the Dance Committee before long, because from the looks of things tickets will be harder to get than a good mark."

LAMBDA CHI ALPHA

The second formal dinner of the season was held at the Lambda Chi house last Friday night. Fifteen couples were present, and the dinner was followed by old-fashioned party games and dancing. Robert B. Schildknecht and Thelma Johnson were the winners of a peanut-hunt. Lester E.

Professor Untangles Knotty Problem Caused by "Mysterious Flaming Hose"

Reasons for Peculiar Accidents and Weird Explosions Are Determined

When a fire-hose suddenly bursts into flames while cold water from the Charles River was being pumped through it at a rate of 250,000 gallons per minute, ordinary investigators give up in despair.

But this particular case is only one of the many phenomena the causes of which have been discovered by Augustus Herman Gill '84, Ph. D., D. Sc., Professor of Technical Analysis in Course V. Professor Gill is recognized all over the United States as an authority on the causes of explosions and the conditions under which they may occur, and has done probably more work on this subject than any other man in the country.

The fire-hose incident happened during a test of apparatus of a Boston station several years ago. Investigation led to the discovery that the fire had been caused by friction between the inner and outer coverings of the hose. The inner section was of a rubber-impregnated material, and was not fastened to the external cotton fabric. The water, being pushed through the hose by a pulsating pump, set up a chafing between the two coverings. These were so tightly stretched that friction soon raised them to ignition temperatures.

Woman Killed by Radiator

A strange catastrophe which might have always remained a mystery had not Professor Gill been consulted, took place on St. Valentine's day in Detroit, Michigan. A woman living in an apartment house felt a bit chilly and opened the valve in a radiator in order to let the air out. She crossed the room and returned in a moment in order to shut the valve. As she touched it the heavy cast-iron radiator was blown into a thousand pieces, killing her instantly and nearly demolishing the apartment. The baffled authorities called in Professor Gill, who soon solved the enigma and explained the explosion in this way: the water for the radiator was heated by an electric furnace, which was short-circuited in such a manner that an electrolytic cell was formed; the water was decomposed into hydrogen and

Keene and Priscila White acted as host and hostess.

SIGMA NU

In accordance with a time-honored custom of the Sigma Nu fraternity, the men whose names were published in THE TECH as pledges were put through a formal pledging ceremony yesterday afternoon.

THETA XI

Miles and miles of crepe paper and the usual black lighting effects were featured at the closed dance given by Theta Xi Friday evening. Sid Reinharz and his orchestra furnished music for the affair, and 150 invitations were extended.

Play Directory

Stage

COPLEY: "Marigold". Pretty and pleasing piece.
HOLLIS: "Much Ado About Nothing". Shakespeare happily condensed.
MAJESTIC: "A Connecticut Yankee". Fifth week of a woe.
PLYMOUTH: "Straight Through the Door". Poorly constructed play with William Hodge.
SHUBERT: "The Red Robe". Revels in Richelleu's reign.
REPERTORY: "The Tempest". Seldom-seen Shakespearean fantasy.
TREMONT: "Blackbirds". That woman can sing "Diggy Diggy Do!"
ST. JAMES: "Lightnin'". The old standby.
WILBUR: "The Kingdom of God". Ethel Barrymore. Nuf sed!

Screen

LOEW'S STATE: "The King of Kings". DeMille's masterpiece.
METROPOLITAN: "Manhattan Cocktail". Reviewed in this issue.
OLYMPIA AND FENWAY: "The Terror". Murders, shrieks, shots and what-not.
MODERN and BEACON: "Marriage by Contract". The cow's husband.
KEITH MEMORIAL: "Outcast". The return of Corinne Griffith.

Night football is becoming more than a passing fad in Dixie. William and Mary of Virginia played several games last season at night, and found the experience so successful that the practise will be continued.

Perhaps such conditions will be conducive to the appearance of more stars.

HERRICK ALWAYS THE BEST SEATS

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HARRIERS ENTER INTERCOLLEGIATES

Cardinal and Gray Five Holds Fast Scrimmages to Prepare for First Game

Several fast scrimmages will keep the varsity basketball squad busy during the coming week. The first game is with New Bedford in the Hangar gym on Saturday night and Coach McCarthy wants his men in shape by that time. In the past couple of days the work has greatly speeded up and the squad is rapidly getting into form.

Basket shooting has occupied a large part of the forward's schedule. Good basket shooting is one of the requisites for a winning team and Coach McCarthy does not want any of his men to fall down in this line. The squad has been trying shots from all parts of the floor with special emphasis being placed on shots from the sidelines. Many of the men are getting so that they can make a large number of the shots that they try.

New Bedford is sending a strong five to the Hangar, but the Cardinal and Gray expects to come out of the contest with a victory. Coach McCarthy has no definite idea of the men that he will use in the opening game, but it is likely that a large number of the squad will get into action. Captain Brockleman and Brig Allen are sure to play for a large part of the game, but a number of different men will probably be found in the other positions.

Up in Walker the yearling basketballers are hard at work trying to develop a team that will be able to defeat Wentworth Institute in the first game of the year which comes on December 15. All of the men who remain on the squad have handed in their eligibility cards and it is not probable that there will be any more cuts this season.

This year's team seems to lack tall men, but they have one of the fastest teams that have been seen up in Walker for the past couple of years. Several interesting scrimmages have been held and some of the squad members are beginning to show some neat passing and basket shooting.

Freshman Basketball Schedule

Dec. 1—Open
Dec. 8—Open
Dec. 15—Wentworth Institute at home.
Jan. 9—Brown ... away
Jan. 12—Harvard ... home
Feb. 13—Boston U. ... away
Feb. 15—Taber Naval School away.
Feb. 23—Boston Boys Club away
Mar. 2—Tilton ... away
Mar. 6—Tufts ... home

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Dorm Basketball Season Underway—9 Teams in League

Games on Tuesday and Thursday of Each Week—Atkinson Leads the League

With three weeks of the Dormitory Basketball tournament already finished two teams have shown an extraordinary record. In a series of fast games the teams from both Atkinson and '01-D have yet to be beaten. Runkle also will probably have to be taken into the list of leaders for though they have lost to Atkinson it was only by one point in a very close game. Who will finally come out on top is a debatable question.

THURSDAY, NOV. 8th:—

Holman's knights of the hardwood surface got underway for the season with a one-sided win from the indifferent Nichols outfit to the tune of 32-6. From the start the Holman gang started to run up the score at the rate of a basket every other minute. With both Butler and Walton taking five baskets apiece and the rest of the team putting in a few here and there for good luck it is a wonder that Weatherly, Andrews, and Frink had a chance to drop in a shot apiece for the losers.

The other game also turned out to be a slaughter, with the '01-D crowd putting it up to the rejuvenated Ware team, 47-10. Scott led the run-away for the winners with a total of nine baskets, enough for a win by himself, and was closely followed by Gutierrez, who chalked up eight more tallies for his outfit. Harig put up the best game for the losers, managing to get in three of the five markers. In spite of the score it looked like something worth while to see a team representing the lost Dorm, at last out in the running.

TUESDAY, NOV. 13th:—

Tuesday night saw the aggregation from '01 and D keeping up the good work by giving '93 the little end of a 34-13 score. Gutierrez evidently decided that it was his turn to lead off in the scoring, as he proceeded to pop in four shots in each half of the scrap. Scott was still hanging on, adding ten more points to his team's total. It looks as though this team had a pair of forwards that are going to give all the rest of the teams a good time before the end of the season.

"Whoopee!—and did the boys from dear old Nichols stage a snappy comeback? Ask somebody how Crafts came to draw down the '17" out of the 21-17 score in their opening game. It looks as though the boys got discouraged by the wallowing they took last week, and the way they rolled in those nine hoops was a real change. It looked like a real game, with the Army rules in full swing. Nichols seems to have infringed on the Crafts patent rough house, as Crafts picked up nearly half of their points on foul shots. Both Weatherly and Belding picked up four personals during the scrap, and the motto seems to have been "bring on the opposition, and lots of flowers!"

THURSDAY, NOV. 15th:—

The first game of the evening was the third straight easy win for

LEADING HARRIER TEAMS OF SECTION IN NATIONAL MEET

Penn State Looks Like Certain Winner in Long Grind at New York

COX BEST BET FOR FIRST

McNiff of Penn State Expected to Cross Tape First in Freshman Race

(Continued from Page 1)

Canada in the Olympic Games has been doing well in his first attempt at Cross-Country running. Joe Hagen of Columbia is another of the men who may be among the first to cross the tape.

Freshmen Teams Are Strong
It appears that Penn State will walk off with the freshman honors again this year. William McNiff is one of their most promising runners and may be the first to cross the tape.

Among the teams that are expected to be the leaders in today's race are Penn State, Harvard, Maine, and Michigan State. Michigan State is the first Western team to try for I. C. A. A. A. honors while Penn State is undefeated this year. Penn hopes to make it three straight, but their hopes have been dimmed by the loss of Richard Detwiller, winner of last year's freshman race, who will be kept out of the meet because of illness.

Eighteen Colleges Entered

There will be eighteen colleges competing in the Varsity event and sixteen in the freshmen. The Varsity race has drawn a field of 223 harriers while the yearlings have 227 men entered. The other colleges in the Varsity race are Carnegie Tech, C. C. N. Y., Columbia, Cornell, Dartmouth, Harvard, John Hopkins, Manhattan, Maine, Michigan State, N. Y. U., Penn State, University of Pennsylvania, Princeton, Syracuse, Williams, and Yale. The other schools entered in the freshman race include Carnegie Tech, C. C. N. Y., Columbia, Cornell, Dartmouth, Maine, Manhattan, N. Y. U., Penn State, University of Pennsylvania, Princeton, Rutgers, Syracuse Union and Yale.

Several changes have been made in the course this year, but the double jaunt over the hills has been retained. The hill-and-dalers will start and finish near Broadway and will cut down near the end of the park before doubling back for their journey under the trestle and over the hills.

'01-D. The final score was '01-D 37, E-F 16. At the half the score was 26-4, and with this safe margin to work on the play in the second half was not so hard. The playing of Nettleton at center continued to feature the play for '01-D. Time and again baskets by Scott or Palo were direct results of a pretty tipoff from center. On the defense Nettleton was just as valuable. When he is near the basket the opposition gets at most, only one shot. If that misses they lose the ball because Nettleton is right in there every time. For L-F Newman, with five baskets, scored more than half of his team's 16 points.

The second game proved to be a 67 to 10 slaughter of Ware by Atkinson. Guerierrez with thirteen baskets, and Moody with ten, led the scoring. For Ware, Hang accounted for eight of the ten points. And don't get the idea, fellows, that Ware hasn't a team. Their first two games were bad defeats, but they were playing the two teams as yet undefeated in the league. We predict more than one win for Ware before the end of the season.

TUESDAY, NOV. 20th:—

Runkle put on the best exhibition

Corinthian Booters Win From Engineers 2-1 in Last Game of the Year

Technology's soccer team lost a hard fought game to the Revere Corinthians by a score of 2-1. The game was played on the Coop Field last Saturday afternoon. Both teams were handicapped by a slippery field and as a result there were numerous spills.

WHITE WILL ADDRESS HOCKEY RALLY AT 5

Sextet to Practice at Early Hour in New Arena

Captain White will open the Hockey meeting Monday afternoon in 1-190 with a short talk on the prospects of this year's team. He will explain the schedule to the men, and will answer all questions ventered by candidates. The other speakers will be Bob Snyder '30, Manager, and probably the coach. These talks, it is hoped, will put spirit into the meeting, and give the Hockey season a good start.

All candidates for freshman or Sophomore managerships are requested to be present at the meeting.

This year's schedule for the Cardinal and Gray sextet is the largest that has ever been attempted. Already 12 games have been scheduled, which is more than last year's. This larger schedule is going to call for a proportional increase in spirit, and it is hoped that today's meeting will bring out a large showing of husky skaters.

This year's sextet will have early hours, practice starting at 7 o'clock Tuesday morning at the North Station Arena. Both the candidates, and Varsity will be expected at this hour on Tuesday.

of basketball seen in a long time when they beat '93 by the overwhelming score of 45-8. The short pass game put in by Lensch, Ryan, and Middleton was pretty nearly perfect. Calvert and Glowa did a capable job as guards. Runkle was using a five-man defense which worked beautifully, as they allowed '93 to score only when it pleased them. The pep that '93 showed in their first games seemed lacking. Their game was listless and slow, but with easier opponents coming up the '93 pep should come up to standard again.

The second game was one of the first "crucial" games of the year and Atkinson took Holman's measure, 16 to 11. The game was hard fought all the way. The first quarter ended 4-4, the half 8-8, and the third quarter 11-10. In the final quarter, however, Atkinson's steadiness put them out in front and kept them there.

OFFICIAL STANDING

Team	Win	Lose	Percent
'01-D	4	0	1.000
Atkinson	3	0	1.000
E-F	2	1	.667
Runkle	1	1	.500
Nichols	1	1	.500
Holman	1	2	.333
Crafts	0	2	.000
Ware	0	3	.000
'93	0	3	.000

During the first quarter both teams battled furiously, but were unable to score. As this was an unofficial game Coach Welch used a large number of men from this year's freshmen team in order to determine his prospects for next year's team. George Wyman did not play and the Engineers were handicapped by his absence.

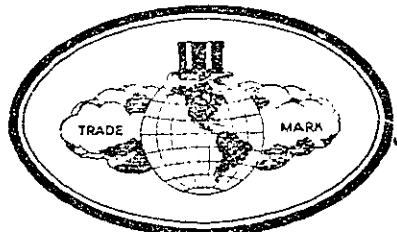
Both of the Corinthian's scores were made at about the middle of the game. Green, the Corinthian half back, made both of the scores, the one coming just before the end of the half while the other came at the beginning of the third quarter. Many times the Cardinal and Gray were down in their opponents territory, but they were unable to get the ball past the watchful eyes of Hadfield, the Corinthian's goalie.

Late in the last period the Engineers succeeded in getting a goal across. Axford took the ball down the sideline and passed to Youngson who scored. That was the only Engineer score of the game, but they threatened their opponents goal a large number of times.

Is The Final Game of Season

This marks the close of the 1928 soccer season which as a whole was rather successful. Among the members of this year's freshmen team who are likely to do well in the Varsity next year are Hanson, Gaston, Newman, and Axford. Hanson is a promising goalie and is being prepared to take the place of Wyman. George has another year to go and will probably be one of the best goalies in the East.

Chances of a veteran backfield appear bright as both Hawkins and Riehl will be back again. This combination has been one of the main cogs in the Beaver's defense. Captain John Fahey played his last contest in the Army game and he will be greatly missed next year.



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OFFICIAL BULLETIN

ECONOMICS

The following speaker will lecture before the class in Business Management in Room 1-190:

Mr. R. W. Price

District Manager, The McCaskey Register Company
November 28, 9 A. M.

Subject: "Production Control"

ELECTRICAL ENGINEERING

The Colloquium on "Switching Problems" which in an earlier issue was announced for November 26 and 27, has been postponed until the second term.

CIVIL ENGINEERING

A series of lectures by Kenneth C. Reynolds, Instructor in the Department of Civil Engineering, who has been studying in Germany under a John R. Freeman Traveling Scholarship, on

"Laws of Hydraulic Similitude as Applied to Experiments With Models."

The lectures will be given in Room 1-150, Monday, November 26 at 2 P. M.; Wednesday, November 28 at 3 P. M. and on December 3 and 5, at hours to be announced.

GEORGES CLAUDE

Member of the French Academy, Physicist and Engineer identified with the development of processes for liquifying gases and with the commercial uses of the rarer gases will lecture on:

"Generation of Power from the Sea"

Room 10-250, Tuesday, November 27, at 4 o'clock

Members of the staff and students are invited to this unusually interesting and important lecture.

CALENDAR

Monday, November 26

2:00—"Hydraulic Machinery"—Mr. Kenneth C. Reynolds in Room 1-150.
5:00—M. I. T. A. A. Meeting, North Hall, Walker Memorial.
6:00—Alumni Association Dinner Meeting, Faculty Dining Room, Walker Memorial.

Tuesday, November 27

4:00—"Generation of Power from the Sea"—Mr. George Claude in Room 10-250.
7:30—Tau Beta Pi meeting, West Lounge, Walker Memorial.
7:30—M. I. T. Armenian Club Smoker, North Hall, Walker Memorial.

Wednesday, November 28

6:30—Civil Engineering Society Dinner Meeting, Grill Room, Walker Memorial.
6:30—Chemical Engineering Society, Grill Room, Walker Memorial.
8:00—M.I.T. Archimedes Society Dance, North Hall, Walker Memorial.

Saturday, December 1

8:00—Varsity Basketball—M.I.T. vs. New Bedford.

Notices and Announcements

TECH SHOW TRYOUTS

There will be a meeting of all interested in trying out for the Tech Show cast tomorrow night at 7:30 in the Tech Show Office, 301 Walker. Mr. Greene will conduct the tryouts.

T. C. A. CABINET MEETING
There will be a meeting of the T. C. A. Cabinet in the back office in the basement of Walker, tomorrow at 5 o'clock.

BENCHMARK PICTURE
Picture of The Benchmark Staff for The Technique will be taken

Army Man finds Tobacco "Like Old Friend"

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Fort Robinson, Nebr.
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Very truly yours,
(signed) E. H. Fulmer

Edgeworth
Extra High Grade
Smoking Tobacco

Tuesday, November 27th, at 4:30 P. M. in Room 11-004.

SQUASH CLUB

All those wishing to sign up for the Squash Club tournament may do so on the sign-up sheets posted in the Track House and by the Cashier's office. Entries close at 5 o'clock Friday.

DRAMASHOP PICTURE

A picture of all those connected with the Dramashop will be taken in Homberly Infirmary in Room 11-004 on Monday afternoon at 5:30 o'clock.

DRAMASHOP MEETING

A meeting of all the Dramashop actors and managerial staff will be held in Room 2-176 on Tuesday afternoon at 5 o'clock. All members are urged to be present at this meeting.

JUNIOR OFFICERS' PICTURES

The picture of the Junior Class officers for "Technique" will be taken in the basement of the infirmary at 5:15 o'clock on Tuesday.

Sports Desk

We have pity on the Varsity basketball team, the wrestlers and the boxers all of whom have to practice to the tunes of the infamous R. O. T. C. band which practices in the Hangar gym every now and then. According to some of the team members, the band makes so much noise that a person can't hear himself think.

With the boxers, wrestlers and the basketball team all practicing at the same time, the Hangar Gym looks like quite an active place. Besides that there is always a gang from the track house who are wandering into the gym to give the teams the once over.

Ronald Jameson's bad eye has not kept him from punching the bag and engaging in other activities that a boxer usually works at while he is in training. Johnny Bolanos is be-

LIBERAL CLUB TO HEAR C. S. DARROW

"Great Commoner" Extends a Favor in Addressing Liberal Club

(Continued from Page 1)

them a fair trial with consequent release.

The Greco case in New York is a recent example of the handiwork of this great lawyer. The family could not pay for an adequate defence against the injustice of the state which had sentenced the innocent father to be executed. With the aid of some friends, the case was given much comment in the press, and Mr. Darrow was secured to direct the defence fight. The just verdict has already gone down in the annals of law history as a brilliant victory for Mr. Darrow and the defence committee.

In securing the great "commoner" to speak at the Institute, the Liberal Club has successfully accomplished a difficult deed as Mr. Darrow rarely addresses college audiences.

Since he cannot remain in town more than a day or two, a special meeting for this afternoon had to be called. The room will be announced through the Liberal Club posters and blackboard notices.

Varsity Rifle Team Schedule

Dec. 1—City College of New York

Dec. 15—University of Washington

Miss. Ag & Mech. College

Kemper Military School

Dec. 21—West Virginia University

Jan. 19—University of Wyoming

Feb. 9—University of Tennessee

Rhode Island State College

Feb. 16—N. R. A. League Match Georgia School of Technology

University of Washington

Feb. 23—N. R. A. League Match University of Cincinnati

University of Pittsburgh

University of Alabama

Mar. 2—N. R. A. League Match Ag. & Mech. College of Texas

Columbia University

Mar. 16—N. R. A. League Match University of Maine

Mar. 23—N. R. A. League Match University of Syracuse

Mar. 30—N. R. A. League Match University of Syracuse

All of the above are telegraphic meets.

Shoulder-to-shoulder meets are as follows:

Mar. 22—George Washington Univ. at Washington

Mar. 23—U. S. Naval Academy at Annapolis

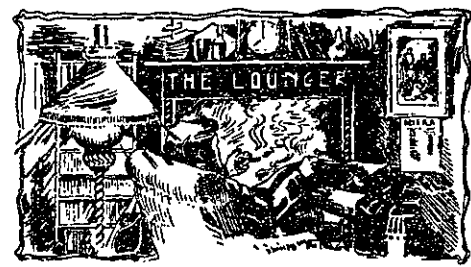
Apr. 6—N. R. A. Intercollegiate at New York

ANNOUNCE MEETINGS IN PUBLIC SPEAKING

Professor Matthew R. Copithorne of the English Department has recently announced a series of ten meetings for men interested in learning to read aloud and to use their speaking voices more effectively. The series will begin the first week in December. Further announcement regarding the date, hour, and place of meeting will be made later in the week.

ginning to get into first class shape and he ought to be one of the best boxers in the east. The famous beard that he raised while at summer class as well as the mustache which is the survivor of the aforementioned beard have given him a good deal of added poise, and it is expected that it will be a target for his opponents to aim at during the season.

Meanwhile the wrestlers are not letting the other teams get away with anything. They did not like the idea of the basketball men walking all over their nice and clean ??? mat so they politely posted a sign asking men to keep off the mat if they had shoes on. Apparently that was meant for Coach McCarthy's cohorts as they seem to have been the only offenders.



Babies must play! and so the kittens and the Mechano boys get ready for a set-to. Remarkable it is to the eyes of the Lounger how unmistakably the traits of infancy break through even the impregnable disguise of gridiron pads.

Just like two kids playing a game, are these two minor publications, T. E. N. and Voo Doo. The former hit upon the bright idea of persuading the freshman football team to come out and make-believe they wanted to be editors. Whereupon Voo Doo let out a wail of "Taint fair!" (they weren't afraid of losing the game; it was merely the principle of the thing) and proceeded to round up their famous bunch of ringers from last year's game, with possibly some new additions.

Now came the embryo engineers' turn to call "Unfair" and out of their peevishness what do you thing the babies have decided to do? After due consideration—ahem!—they will follow what experience and the judgment of superior publications has shown to be the best policy—only staff members and the boards will be allowed to play. Congratulations to them.

Incidentally, all this reminds the Lounger that there will be weeping and gnashing of teeth.—Imagine the plight of the freshman football team and all Voo Doo's splendid ringers when they discovered that they were clearly done out of a good free meal!

Yesterday, in the midst of his literary efforts, the Lounger's attention was called to something that looked like a basketball game out on Tech Field.—Rightfully it should have been the "Humorists" exercising their aptitude for joking in the midst of football practice—but no!—he was informed indignantly by King Couper of the T. E. N. that these were their revolutionary tactics in the ancient game of football.—Beware, Voo Doo.

More Technology traditions are going to the dogs!—and the Lounger is certain that it is a pity. Eddie Miller came strolling down the hall the other day smoking an effeminate cigarette instead of his usual supermanly stogie butt. However, be reassured, the Lounger saw Eddie Saturday, looking extremely repentant, and attached to his customary cigar.

Speaking of traditions, the Lounger now has occasion to rejoice. It seems to have become the custom of T. C. A. stenographers to wear Beta pins. The "custom" was started (to offhand knowledge) by Miss Gatecomb, and is now being followed by Miss Nelson, whom the Lounger begs to accept congratulations.

MARKSMEN LOSE IN YEAR'S FIRST MEET

Losing their first match by only 12 points, the rifle team has shown great possibilities, and in Saturday's meet shot within 2 points of the victorious team last year.

One hundred and eight candidates have reported for the rifle team, and have done exceptionally well. There are several exceptional shots among the freshman, and they will be excellent material for keeping up the wonderful showing of last year's Cardinal and Gray shooters.

DRAMATIC CRITIC TO LECTURE HERE

Undergraduates Will be Given Opportunity to Hear Walter Eaton

Walter Prichard Eaton, who is in Boston representing the New York Theatre Guild for its coming Boston season, will give an address in Room 2-190 at 1 o'clock tomorrow afternoon. The topic of the lecture is "Shaw and O'Neill—A Contrast in Modern Drama."

Mr. Eaton describes himself as a reformed Bostonian. He was graduated from Harvard and after two years on the Boston Journal joined the staff of the New York Tribune as assistant to William Winter, the famous critic. In 1907, he became dramatic critic of the New York Sun and in 1910 retired to the Berkshire Hills to live. He has kept in constant touch with the theatre ever since, and for many years has acted as dramatic editor of the "American Magazine" and "The Freeman."

He is a member of the American Institute of Arts and Letters, and was an instructor in literary and dramatic criticism at Columbia University.

His books relating to the theatre include: "The American Stage of Today," "The Actor's Heritage," and "Plays and Players." He has also written several books on nature such as "Green Trails and Upland Pastures" and "In Berkshire Fields."

SANITARY ENGINEER TO ADDRESS CIVILS

Langdon Pearse Will Give Talk on \$125,000,000 Plan

Mr. Langdon Pearse '01, Sanitary Engineer for the District of Chicago, will speak at a meeting of the Technology chapter of the American Society of Civil Engineers on sewage disposal. Notices will be posted on the bulletin boards giving the location of the lecture which will be held tomorrow evening at 6:15 o'clock.

Mr. Pearse who is in charge of the \$125,000,000 construction program for the sewage disposal of Chicago, will give an illustrated talk upon the subject. Cider and doughnuts will be served at the end of the meeting.

Geologists agree that at least five glaciers have passed over the territory that is now Illinois.

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