

TECHNOLOGY TO HAVE CIRCUS IN WALKER

Affair Will Further Good-fellowship—Activities All to Take Part

PLANNED FOR END OF TERM

The date alone remains to be set for the Technology Circus, which promises to be a get-together rivalling the All Technology Smoker in size. The affair will be staged towards the end of the present term with the purpose of establishing a wider field of good-fellowship amongst the students here at the Institute.

The Circus, which will come as a new feature in Technology's undergraduate life, will closely resemble functions going under the same name at other colleges. According to the present plans it will be held in Walker Memorial, being featured with stunts put on by the various Institute activities as well as numerous booths and side shows.

Free To All Students

The affair will not only be free to the entire student body, but an attempt will be made to have as large an attendance as is possible. Managers of various sports and activities have already signified their desire to see the project to go through, and the finding of a suitable date upon which all of Walker Memorial will be available for the occasion alone prevents the making of definite arrangements.

Tentative lists of committees have been gotten out. In all probability no permanent chairmen will be appointed, it being the consensus of opinion that the bodies will function better if each man is made responsible for a definite piece of work. The next meeting of all the committees will be held tomorrow at 5 o'clock.

The committees as they now stand are:

Finance Committee: T. N. Berlage '22, D. F. Carpenter '22, Whitworth Ferguson G., D. C. Jackson, Jr., '22.

Stage Managers: K. M. Cunningham '22, Hall Kirkham '23, H. M. Shirey '22, C. C. Taylor '23.

Stunts and Side Shows: J. W. Beretta '23, C. A. Brantingham '23, A. F. Flourney '23, D. R. Linsley '22, James Nesmith 2nd '22, J. C. Nowell '23, J. H. Teeter '22.

Refreshments: J. L. Boyer '22, R. H. Brown '22, J. S. Morrell G., L. S. Vadner '22.

Vaudeville: P. D. Appel '22, H. I. Beadle '23, H. S. Davis G., M. S. Dimmock '22, F. D. Gage '22, K. C. Kingsley '22, R. C. Rundlett '22, E. H. Schmitz '23.

Publicity: A. J. Browning '22, J. C. Campbell '25, E. M. Goldsmith, Jr., '23, J. A. Henderson '23, D. H. Keck '24, W. B. Purinton '22, G. H. Southard '23, H. E. Rockefeller '22.

SIX BROWN BROTHERS HAVE BEEN ENGAGED BY EL DORADOS

The California Club is going to run a formal dance in the main hall at Walker Memorial, February 24. The dance committee consisting of S. Walton '23, D. Sproud '23, and K. Kingsley '23, have arranged many interesting features, among them being the Six Brown Brothers from Tip Top, who have consented to put on their act and to play for some of the dancing also.

Because of the unusual program arranged, the committee is trying to get permission to run the dance from eight until one o'clock. Tickets will be on sale in the main lobby Wednesday at \$3.50 per couple.

WHY IT HAPPENS

When one remembers that in an ordinary column there are 10,000 pieces of type, there are seven wrong positions that a letter may be put in, and there are 70,000 chances to make errors, millions of chances for transpositions, he will not be too critical.

In the short sentence, "To be or not to be," by transposition alone it is possible to make 2,769,022 errors. So you can see the perils that beset a printer.
—Exchange.

PROF. W. K. LEWIS TALKS AT CHEMICAL SOCIETY SMOKER

Large Number Hear of Problems and Difficulties of the Research Man

TRIP TO WALTHAM THURSDAY

Professor W. K. Lewis, head of the department of Chemical Engineering, was the speaker at the Chemical Society smoker last Thursday night. About a 100 men were present at the gathering, which was held in the main hall of the Walker Memorial. Smokes were distributed and refreshments were served after the speech.

Industrial Research Development

The subject of Professor Lewis' talk was "Industrial Research and Development Work." He said that the important elements in industry are production and sale. In order to make production most efficient, there must be a standardization of processes. The position of a research man is made difficult by this fact, for a producer dislikes to change a standardized process unless he is absolutely sure an improvement is being made. Professor Lewis pointed out the importance of pure science as well as applied science. He gave three stages through which any new process should pass before being carried out commercially; namely, first tried on a small scale in the laboratory, second, tried on a larger scale, and third, experiments should be made with a small industrial unit.

Visit to Waltham, Thursday

Plans are now being made for the members of the Chemical Society to take a trip to the factories of the Waltham Watch Company. Men who wish to take the trip should sign up at Professor Norris' bulletin board by tomorrow. The visit will be made Thursday afternoon. It is limited to 60 men.

VARSITY HOPING TO ADD TO HOME WINS

**Undeclared on Own Floor
Institute Five Ready for
Williams and Brown**

GAME WITH PURPLE WEDNESDAY

This week Cub Hubbard's quintet defends its title of undefeated on the home floor against the Williams and Brown invaders. The contest with the Williamstown team is scheduled for Wednesday night at 8 o'clock in Walker gym while the varsity meets Brown here Saturday.

The team Williams is sending to fight the Engineers has had bad luck all through the season. Three of its hardest games went to its opponents by two point margins and always the contest has been close. Recently the Purple five has taken a brace and its last game, with Boston University, resulted in a 31 to 20 win. They are credited with having a hard playing outfit and their meeting with Coach Allen's charges, flushed with victory as they now are, should prove interesting.

Varsity Improves in Practice

No contests were on schedule for the Institute team last week and the Coach kept his men at work using the rest period for improving the basketball shooting and other weak spots. The varsity has made life miserable for the scrubs all through the week and is now in fine fettle. The contest for the center position is still raging and will not be settled until the Williams game decides who will be at pivot for the meeting with Brown.

Brown Comes for Return Game

The contest in which the Engineers lost to Brown was probably the most unfortunate of all the team's games this season. The Technology quintet was badly off form and fell easy prey to the crew of the Bear. Naturally Cub Hubbard is planning to reverse things on Saturday and a win over Williams will, if forthcoming, be just the needed impetus to send a fighting Beaver team against Brown the last of the week.

The probable lineups for Wednesday's game:

WILLIAMS	TECHNOLOGY
Wilson, Capt., lg.	lg. Hubbard, Capt.
Boynton, rg.	rg. Cooke
Fargo or Jayne, c.	c. Blood, Storb or Bretting
Blackman, rf.	rf. Tonon
Wightman, lf.	lf. Davidson or Storb
Referee, Kelly.	

NO ISSUE WEDNESDAY

The next issue of THE TECH will be Thursday morning.

YALE SWIMMERS BEAT CARDINAL AND GRAY

**First and Second in Every
Event Gives Eli an
Easy Victory**

SHEELINE CUP EXHIBITED

Technology fared rather badly at the hands of the Yale swimmers Saturday night and went down to defeat by the score of 48-5. Jelliffe starred for the intercollegiate champions, winning firsts in the 50 and 100 yard swims and swimming anchor on the relay. Earl Palmer put forth one of his best efforts in the 50 yard dash, finishing a foot behind Jelliffe and less than six inches behind Gauss, the second Yale man.

Both John Henninger and Jim Stalbird were off form in the plunge, neither seeming to be able to keep on their course. Wood, who plunged 79 feet the other night in New York, setting a new intercollegiate record, had an easy time of it, doing 75 feet in 53 seconds. His first attempt was somewhat marred by a faulty bathing suit which was keenly appreciated by the feminine section of the balcony, but he managed to go the length of the tank both times. Guernsey secured second for Yale with a plunge of 71 feet and John Henninger, who is credited with a plunge of 72 feet against West Point, was only able to secure third.

Captain Pratt Swims Fast 220

Captain Pratt and Braden had things their own way in the 220 yard grind, the Yale leader coming within two seconds of the tank record. Captain Bert Weber and S. F. Brown had a scrap between themselves for third place, and both managed to cut down a little of the lead obtained by the Eli swimmers. Weber finished third, two-thirds of a lap behind Pratt.

The fancy diving of Crane, who holds the intercollegiate championship, was almost too perfect to be true. His partner, Prime, while he looked rather quaint in his rubber cap, was not far behind in his performance on the springboard. Bob Purinton's chances for a second place seemed good until he tried the difficult standing one-and-one-half, in which he did more nearly a one-and-one-quarter.

It looked for a while as if Ed Taylor was going to reverse the dope in the 100 when he managed to lead Jelliffe and Stewart in the first lap. But the Yale swimmers forged into the lead and Jelliffe won with a time of one minute flat. Tom Oxnard put on a sprint in the home stretch and finished.

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COSMOPOLITAN CLUB WILL HOLD SMOKER

**Professor Emerson to Speak on
Parisian Life**

ALL INSTITUTE MEN INVITED

Professor W. Emerson, of the Architectural Department, will address the members of the Cosmopolitan Club at a smoker which is to be held at 7:45 o'clock next Friday in north hall of the Walker Memorial. The subject of his talk is "Parisian Life During and After the War." Professor Emerson lived in Paris part of the time during the War, and has been over there since, so he is well qualified to speak on this subject. His talk will be entirely non-technical, and will consist mainly of incidences and anecdotes illustrating the French character. All men attending the Institute, whether they are members of the Club or not, are invited to the Smoker.

The lecture will be followed by an entertainment given by the members of the Club. Smokes and refreshments will be available. The gathering will end with a short business meeting, at which members of the Club are advised to bring up any questions or suggestions they may have concerning its activities.

NOON HOUR MUSIC IS FEATURE IN WALKER

**Well Taken By Students and Will Continue Says
Management**

PROGRAM OF POPULAR MUSIC

Music surely has its charms at Technology for we shall in the near future be known as the college of music. The latest addition to our musical enterprises is the establishment of an orchestra in Walker dining hall. The management claims that it has been well taken by the fellows and promises that it will continue as long as the number who eat at Walker justifies it. The music was played for the first time last Thursday and will continue to play from 12 to 1:30 o'clock each day.

All Popular Music Played

The Fisher Orchestra will furnish the music and is composed of B. M. Mossman '23, violin; R. J. Bundy '22, traps; A. H. Fisher '22, piano; G. E. Farmer '22, cornet; E. G. Hamilton '24, saxophone. The management is trying to give Copley Plaza service at Walker prices and the manager states that there is still accommodations for many more men during the noon hours. Selections will be played at the request of any of the patrons. The program will be composed of all the latest popular music. The superintendent hopes that the charms of the music will reach the conscience of those men who do not pay their checks as the gaining of the lost revenue would aid much in keeping the orchestra at Walker.

MILE RELAY WILL GO TO BALTIMORE MEET

**Quartet Hopes to Repeat Win
Over Harvard and Down
Tiger Quartet**

PRINCETON HAS CHAMPION

The Princeton relay will be the next opponent of the Technology mile relay when they meet at the Johns Hopkins invitation games in Baltimore two weeks from Saturday. Captain Chittick's relay has made a good record so far this season by means of its victory over Harvard and Pennsylvania and its close contest with the fast Syracuse team, but the reputation of the Tiger quarter-milers gives them a slight edge over the Institute representatives.

Princeton Has National Champ

Stevenson, one of the Princeton stars, is national 440 yard champion and will prove a dangerous opponent. Hitzrot, last year's freshman marvel at Princeton, is also eligible this year and has already competed in the Varsity race against Harvard when the Tigers defeated the Crimson relay at the Millrose games. He is credited with having bettered fifty seconds in the quarter and is to be regarded as second only to Stevenson himself among the Tiger stars. The final lineup of the Princeton relay has not been decided as yet but both Hitzrot and Stevenson are assured of places.

Technology Has Veteran Relay

The Engineer's record of running as a team gives them the edge in that department but the Tigers have the individual stars, at least on paper. It seems probable that the contest will resolve itself into one between smooth (Continued on Page 3.)

IMPORTANT UNDERWRITERS' TESTS SHOWN IN MOVIES

There is in the United States today an organization working for the engineer and for the service of the public. That organization is the Underwriters' Laboratories of Chicago with branches in various cities of the country. Mr. G. B. Muldaur, general agent for the laboratories, showed movies and lectured Wednesday afternoon in room 5-330 to the Mechanical Society and Corporation XV.

The three reels of movies were mostly on the fire prevention tests carried on at the laboratory and Mr. Muldaur stated that there is an annual loss of a half billion dollars in fire destruction in this country alone. W. H. Merrill '39 was the originator of the Underwriters' organization, which has recently included within its scope the inspection of aircraft and the licensing of pilots.

SENIORS HOLD DANCE IN WALKER TOMORROW

**Supper in Balconies Will Be
Feature of 2 O'Clock
Valentine Dance**

SALE OF STAG TICKETS TODAY

The committee in charge of the Senior valentine dance states that enough tickets have been sold already to insure the success of the affair. This new departure in the line of a mid-season dance has been inaugurated by the Senior Class to afford a last formal get-together of the class before Senior week.

Sell Stag Tickets Today

The committee has decided to sell stag tickets, and these will be on sale in the main lobby today from 1 to 2 o'clock. They will also be sold at the Fraternities this evening. Men selling tickets are asked to turn in unsold tickets to the main lobby at 1 o'clock today. The tickets are \$3.50 a couple, and the stag tickets are \$2.

Will Dance Till 2 O'clock

Dean Talbot has given permission for the dancing to continue till 2 o'clock. The dancing will start at 8:30 o'clock. Walter Johnson's ten-piece orchestra will furnish the music. Supper will be served in the balconies at 12 o'clock.

Patronesses for the dance are Mrs. R. C. MacLaurin, Mrs. H. P. Talbot, Mrs. W. Humphreys, and Mrs. R. P. Bigelow.

EPIDEMIC OF INFLUENZA STRIKES THE INSTITUTE

**Dr. Morse Urges That All Students
Take Proper Precautions**

The season of influenza, grip, colds, and bronchitis is on in full swing. The Institute has suffered less than similar institutions, but the influence of the epidemic has been felt. During the month of January the medical department received 1892 visits, about 500 of which were for ailments of the respiratory tract. So far February has proven worse than January, and the indications are that the number this month will exceed that for last month.

Dr. Morse urges that all students (Continued on Page 2.)

BANKER WILL TELL ABOUT NEW FINANCIAL MEASURES

**Mr. W. Irving Bullard to be Heard at Corpora-
tion XV Smoker**

PROVIDE MUSICAL PROGRAM

At the regular monthly smoker of Corporation XV, to be held next Thursday at 7:30 o'clock in the north hall of Walker, the members will hear Mr. W. Irving Bullard, vice-president of the Merchants National Bank, speak on the subject of "New Measures in Business Finance."

Mr. Bullard has just returned from abroad where he has been making a study of financial conditions and the money problems that have been brought on by the war. For some time he has been prominent as a lecturer on financial subjects, and has addressed many gatherings of bankers and business men in and around Boston.

Furnish Smokes and Music

The committee in charge, of which M. S. Burroughs '22, is chairman, is planning to furnish a special musical program, to set off the usual smokes and eats. In addition to Mr. Bullard the committee hopes to be able to secure another capable speaker for the evening.

CALENDAR

Tuesday, February 14	8:00—Class of 1922 dance, main hall, Walker.
Wednesday, February 15	5:45—Catholic Club meeting, north hall.
Thursday, February 16	1:00—Chemical Society trip, main lobby. 7:30—Corporation XV smoker, north hall.
Friday, February 17	7:45—Cosmopolitan Club smoker, north hall, Walker.
Saturday, February 18	3:00—Walker Committee Tea dance, main hall.
Tuesday, February 21	8:00—Dorm dance, main hall, Walker.
Thursday, February 23	8:00—M. E. Society smoker, main hall.
Friday, February 24	8:00—California Club dance, main hall, Walker.