

An Explanation

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EXTEND INVITATION

Westerners Welcome at California Club's Table

The California Club extends special invitation to all men from Pacific Coast States to their lunch table in the Walker dining hall. The club much pleased, according to officials, in the way in which its first dance in the Walker last Friday was attended, and is now making plans for extension.

R. G. Hindes '22, chairman of the committee for the recent dance said that the net proceeds, which are to go to the M. I. T. A. A., will amount to something under \$50.00. The club he said may possibly run another dance later in the year.

The California Club is open at present to men from Washington, Oregon, Nevada, California, and the western coast states. Papers received from Los Angeles and San Francisco and may be seen at the club's table in the main hall of the Walker.

A. E. S. VISITS WIND TUNNEL

The Aeronautical Engineering Society conducted three trips to the Institute wind tunnel this week. On Tuesday, Wednesday and Thursday afternoon groups of members visited the device and were shown its operation.

The apparatus is designed to study the effects of air currents on the surfaces of airplanes and balloons. It consists of a long wooden box with an airplane propeller mounted at one end which draws air through the tunnel from a honeycomb grating at the opposite end. The model to be tested is placed on a vertical spindle between the spindle passes through an air opening in the floor of the tunnel and is connected to delicate balance arms below. These arms are balanced and normal to the air current and by placing weights on them compensate for the displacement of the model, the resultant forces can be calculated.

The device is used to test models designed by the government and private concerns who desire to know the probability of success of new types of airplanes before constructing them.

ENTRIES TO MAT MEET

Intercollegiate wrestling was officially revived at a meeting of the New England Intercollegiate Wrestling Association, Saturday, when arrangements were made for a meet at the Springfield Auditorium on March 20. Colleges, Technology, Dartmouth, Tufts, Harvard, and Springfield will have entrants. P. T. Coffey represented Technology at the meeting.

EXPERT ON TRANSPORTATION
WILL ADDRESS C. E. SOCIETY

Mr. C. W. Baker Is Consulting Engineer Of 'Engineering News Record.'

According to a telegram received yesterday by H. P. Etter '20, president of the Civil Engineering Society, the next meeting will be addressed by Mr. Charles Whiting Baker, consulting editor of "The Engineering News Record." The meeting will be held next Wednesday at 7.45 in the north hall of Walker Memorial. The usual refreshments will be served.

Mr. Baker is coming from New York City to give a talk on "The Development and Problems of Transportation." He is the author of a series of articles in "The Engineering News Record" on this subject and is an eminent authority on transportation.

PLAN TEA DANCES

Walker Committee Arranges Saturday Functions

The Walker Memorial Committee is planning a series of tea dances, to be held every other Saturday afternoon in Walker Memorial from 3.00 until 6.00 o'clock. The date for the first is tentative at present, much depending upon how favorably the students receive the new idea.

It is the intention to hold the first dance in the north hall, and, if the attendance demands more room, the ones following will be held in the main hall. The price will probably be \$1.50 or \$2.00 per couple sufficient to pay expenses.

Refreshments consisting of salad, tea and cookies will be served. Music will be furnished by a good orchestra. The first dance will probably be held within two or three weeks.

TEAMS GIVE PROM

(Continued from page 1)

One of the novelty features will be furnished by Hicks' Sextet, which has been secured for the evening. This sextet includes a quartette, which during the evening, will sing while three spot-lights are turned on them. Besides this there will be four features given by the teams. Coach Bridson Greene, the welter weight wrestling champion, and G. H. Butler '22 the A. A. U. 145-pound champion, will give an exhibition of famous holds. A. E. Pew '23 will perform with fire-clubs, while H. E. McKinstry '21 and H. G. Bower '21 will give exhibitions on the parallel bars and on the horse respectively. During these features the spot-lights will be played on the artists, but the dancing will not be stopped while they are going on.

RELAY TEAM FAILS TO MAKE
TRIP TO MILLROSE GAMES

Inability of Spitz and Junod to Run Causes Cancellation

Due to the inability of two members of the team to make the trip, Technology's relay quartet did not compete in the intercollegiate mile relay race at the Millrose A. A. games in Madison Square Garden Tuesday night.

The men were scheduled to leave Boston for New York Tuesday morning, but Monday afternoon it was found that Harry Junod was ill and that Ted Spitz would be unable to accompany the team to Gotham and as a result, it was decided not to enter a substitute team in the title event to run against the best college relay fours in the East.

Technology's splendid showing against Harvard at the B. A. A. games when they won easily over the Crimson with ten yards to spare at the finish was taken as indicative that the Institute quartet would make a bid for the honors at the Millrose games and their inability to send a team came as a distinct disappointment.

VISIT NAVY YARD

(Continued from page 1)

ere snow-storm which temporarily crippled the transportation facilities.

Plan Clinton Trip.

Through the efforts of Professor Porter of the Civil Engineering Department and the cooperation of the Naval officers in charge at the Navy Yard, about eighty men will be conducted through the works. The different features of interest will be visited. These consist of the drydock, the huge cranes, the ships, piers and moulding-lofts where the various designs are laid out.

Since a very large number of members of the society have turned out at all previous trips, another successful journey is expected this time by trip manager J. Lucas '20. He announces that sometime in the near future a trip will be undertaken to the Clinton Hydroelectric Station at Clinton, Mass.

FRESHMAN BANQUET PUT
OFF UNTIL MARCH 5

Affair Will Take Place at the American House

The freshman banquet, which has been postponed a week, is now to take place at the American House on March 5. Signups for the affair will be on sale next week. They may be obtained from members of the committee in charge.

The committee, which consists of J. E. Burchard, R. P. Bolster, A. E. Vaughan, J. R. Tench, Denton Massey, P. S. Wilder, R. M. Randolph, S. M. Bouis, Allen Isaacson, H. C. Rouff, G. J. Bricker, G. S. Bromley, W. B. Murdoch, H. R. Kurzman and A. R. Holden, has stated that it will welcome suggestions. The entertainments for the evening are to be kept secret until the time comes, but it has been stated that they will not consist of speeches to any great extent.

As a novelty feature there is to be a competition for the best song or parody written by a freshman. The committee, consisting of R. P. Bolster and G. S. Bromley, will select several of the best ones which will be sung at the banquet, and the winner will be decided by the class. The lucky man will receive a prize of a five dollar gold piece. Those wishing to compete should hand in their work to a member of the committee for the song, or put it in the freshman box.

The freshman dance has been postponed indefinitely.

HOCKEY TEAM PLAYS
7-7 DRAW WITH YD

(Continued from page 1)

in front of the net from 8.00 until 11.30 o'clock.

Wholley scored the first goal of the game on a long shot from the center of the rink after about six minutes of the first period. Capt. Dan MacNeil equalized a few minutes later with a hard drive which Giles did not have a chance to stop.

Left Wing Williams, playing his first game for Technology after an illness which has kept him off the rink for two weeks, put the Institute in the lead with a drive from the wing which settled cosily in the corner of the YD net.

Following a face-off near the center of the rink Capt. Don Sands of the Yankee Division grabbed the rubber and beat it down the rink to tie the score. Trainor then took a hand and put his team in the lead by pushing the puck past Schwamb after getting a pass from Sands.

A little team work gave Williams another opportunity to score late in the half and MacNeil closed the scoring for the period with a long, hard shot from near the center of the rink which gave Technology the edge for the first twenty minutes, 4-3.

MacNeil Robbed of Goal.

The second half brought the 26th boys back with a lot of pep and Schwamb had a busy session. The quality of his playing is evidenced by the fact that he knocked down all but one of the many shots that came his way. Newcombe finally pushed one past him after fifteen minutes of hectic hockey.

Later in this period MacNeil gave the YD netting an awful wallop with what looked like the winning shot but the goal umpire called it no score and forced the teams into overtime.

DuVernet got the first goal in the extra period after two minutes of play, carrying the puck the length of the ice alone swinging to the left past the two YD defence men and beating Giles with a pretty shot.

Once again MacNeil was robbed of a goal when he took a pass from Williams and apparently pushed the puck into the goal but again the officials ruled against the engineers.

In the second five minute period, the scoring was heavy. Wholley, MacNeil and Sands, scoring in the order named.

The second pair of overtime periods gave the YD a momentary advantage for Sands caged the puck first but MacNeil was not to be denied and saved his team from apparent defeat by again scoring on some superlative hockey.

A considerable improvement in team work was noticeable in the Technology play, particularly in the first half when they scored four goals. Williams' return to the game visibly strengthened the team and the substitution of Schwamb in goal was a marvelous move.

The score
Technology YD
Schwamb, g Giles, g
DuVernet, p Hadley, p
Cauldwell, Cochran, c. p. Healey, c. p.
Williams, l. w. Newcombe, Trainor, f. w.
MacNeil, c Sands, c
Cochran, Thomas, r. w. Wholley, l. w.
Goals made by: MacNeil, 4; Williams, 2; DuVernet, Sands, 3; Wholley, 2; Trainor, Newcombe. Time: Two twenty minute periods and four five minute overtime periods. Referee: Roquette.

GYM TRYOUTS SOON

There will be nine men chosen to form a gym team which will represent Technology in the meet with An-

TWO NEW CONTRACTS SIGNED
UNDER THE TECHNOLOGY PLAN

The Endowment Fund, although its campaign has been slackened, is still making new contracts under the Technology plan. Several new contracts have been signed only this last week with the Kimberly-Clark Company, and with the Greenfield Tap and Die Company.

The Kimberly-Clark Company is one of the large paper companies of the country, turning out 300 tons of paper per day. The Greenfield Tap and Die Company is also a large firm.

VISIT WATERTOWN

Chemical Society Members Impressed by Arsenal

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On Wednesday afternoon about seventy-five students of the Chemical Society spent a few hours at the Watertown Arsenal inspecting the chemical works. The party was divided into three groups, with chief chemist, the manager, and an Army officer as guides. The men went through the chemical labs, the forging rooms, and the machine shop.

They were first shown the process of analyzing of steel for the big guns. Then they went through the coast artillery shop, where they saw the assembling of the guns. In the foundry rooms the casting of ingots for shell-cases by a special hydraulic press was witnessed. This press shapes the shells and does other operations in getting them ready for the powder fillers. The press was of especial interest because it is the only one of its kind in existence. Lastly, the visitors were shown the making of pyrometers, electrical devices for measuring high temperatures. The guides explained everything in detail.

An unique feature about the trip was the fact that only United States citizens were allowed to go through the Arsenal.

Will Hold Joint Meeting

The officers of the society wish to announce that on February 25th there will be a joint meeting with the Aeronautical Society on the "Chemistry of Aeronautics." The names of the speakers of the evening will be announced later.

VARSITY PLAYS WILLIAMS
TOMORROW AT WILLIAMSTOWN

(Continued from page 1)
chance to show what they can do, since this is only their second game. However, they have shown decided improvement in practice lately and Coach Foote is confident of their ability to clean up the Exeter sextet.

The varsity lineup will be as follows:

Technology: l. w., Williams; c. p., MacNeil (capt.); r. w., Thomas; c. p., DuVernet; g., Schwamb, Archibald.
Williams: l. w., Beckett; c. p., Mills; r. w., Rouse; c. p., Irwin; p., Buell; g., Hatch.

TICKETS NEARLY SOLD OUT

(Continued from page 1)

professionals, specially secured for the occasion, will perform various fancy steps. Domino, Leap Year and "Bubble" dances comprise the remaining specials, and the Mardi Gras will duplicate its famous New Orleans predecessor.

Several Tech show artists paraded around the buildings during the past week, and created a good deal of interest in Technology's first Mardi Gras.

The program is:
1. Fox Trot.
2. One Step.
3. Costume Prize Dance.
4. Prize Exhibition Contest (Potpourri).
5. Fox Trot.
6. Domino Specialty (Unmasking).
7. Waltz.
8. Valentine Special (Prize Dance).
9. Intermission.
10. Mardi Gras.
11. Bubbles (Surprise Dance).
12. One Step.
13. Leap Year Special.
14. Waltz.
15. Fox Trot.
16. Fox Trot.

Extras
1. Fox Trot. 2. One Step.

napolis. The competition will be held Saturday at 2.30 o'clock. The date for the Annapolis meet has been fixed for Saturday, February 21.

Annapolis is considered the leading gym team in the country, and the Technology team can be judged by the showing which it makes against it.

Among the good men on the Institute team is A. E. Pew '22, formerly a student at Annapolis, and intercollegiate champion on the horse and with the clubs while he was there. H. G. Bower '20, although an inexperienced man, has developed well on the horse. J. H. Whipple '21, another new man, has been doing excellent work on the rings and can be counted on to win some points. H. E. McKinstry '21 is one of the best men in the country on the parallel bars.

NEED OF PRACTISE
SHOWN BY CAGEMEN

Science Wanting as Inter-fraternity Leagues Start Basketball Seasons—Only Small Scores Made

KEEP REFEREES BUSY

Even the wildest of passing had its alibi at the first fraternity basketball games Tuesday night, the mere fact that referees worked hard to keep the ball in bounds failing to persuade fans that the sport has not returned to the Institute to stay.

Lack of organization and individual practice clearly manifested themselves as the causes of the loose playing which prevailed. None of the six teams competing had had opportunity of practice together, and few of the men have been in their cage suits since entering Technology. The possibility of the ball getting away on all four sides of the court was an unusual condition, and those of basketball experience had trouble accustoming themselves to playing without a cage.

The initial halves of the three games were run off first, the final periods following in the same order. The wind-up half of the Cambridge League contest between Delta Kappa Epsilon and Delta Tau Delta produced the best brand of basketball. Even here the team work was not such as to make shooting a factor, as is shown by the failure of either side to score. D. K. E. had previously sewed up the game, 5-0.

The mix-up between Beta Theta Pi and Alpha Tau Omega of the Bay State League left the A. T. O. aggregation a 4 to 2 winner. Three field goals and a foul scored by H. L. Bretting '22 of the Kappa Sigma team of the Beacon League, defeated Delta Upsilon, 7-4.

A condition on which the Walker Committee permitted the basketballers to use Walker gym was that spectators with leather soled shoes be kept off the floor. Since this and other stipulations were vigilantly lived up to Tuesday night, it is thought nothing will prevent carrying out the schedule announced, with the exception of February 24, for which date the gym is reserved for other sports.

The line-ups of Tuesday's games follow:

Kappa Sigma (7)	Delta Upsilon (4)
Gardner, rg	Hersum, rg
Bullman, lg	Harris, lg
Betting, c	Haebler, c
Powell, lf	Thulman, lf
Kingsley, rf	Peabody, rf
Alpha Tau Omega (4)	Beta Theta Pi (2)
Schmidt, lf	Knight, lf
Jencks, lf	Loesch, lf
Barrett, c	Johnson, c
Owens, lg	Brokaw, lg
Stuart, rg	Randolph, rg
Delta Kappa Epsilon (5)	Delta Tau Delta (0)
McDonald, rf	Henderson, rf
Sheldon, lf	Baird, lf
Boyer, c	Shuman, c
Rudderham, lg	Hubbard, lg
Stevens, rg	Blood, rg

SENIORS GIVE DEMONSTRATION
OF INEFFICIENT PERCEPTION

Believe 434 Dollar Bills Equal Silver Dollar in Weight

"How many dollar bills equal one silver dollar in weight?" asked Harrington Emerson of New York, director of the Emerson Engineers, efficiency counsellors, last Monday afternoon when giving a two hour talk on "Playing Life's Greatest Game" to the Senior class in Business Management assembled in room 1-190. The average answer was 434.8. The wild-guess going as high as 20,000. Mr. Emerson said the correct result was only twenty.

The speaker was introduced by Professor E. H. Schell of the Engineering Administration department as the foremost efficiency expert in the country. Mr. Emerson defined his law of "dependent sequence," which means the arresting of a whole procession of activity through the inefficiency or incapacity of one unit in that procession. "The human mind," proceeded Mr. Emerson, "has a strong bias to wrong. If there is a choice between right and wrong the average human being will choose the wrong eight times out of twelve." The inability of the class to compare the weight of a paper dollar and a silver one is an example.

Disapproves of Eight Hour Day

The eight hour is not a logical scheme according to Mr. Emerson as some work is so pleasant that it should be done twelve hours daily, other work, however, should not be done more than ten minutes out of the twenty four hours. "If we really work efficiently," he concluded, "we could accomplish in one hour per day what we now accomplish in eight hours. That is the status of the United States industrially. Out of a total average life of 700,000 hours, 25,000 are actually devoted to work which means that we are only doing practically one tenth of what we ought to do."