

THE TECH

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PRICE ONE CENT

PATRONAGE OF UNION DINING ROOM IMPROVES

Report For Fourth Week's Ending Jan. 8, Shows A Profit Of \$75

During the last week the attendance at the Union Dining Room has been larger than ever before this term. This increase is attributed to two causes, namely, the cold weather which makes the men loath to leave the Union, and also to the gradual realization by the men of the fact that the Union is giving good service and good food at a reasonable rate. Approximately 2,300 men have been served this week, while the largest number served in any previous week was 2,049. Three tables are reserved for bodies of men who have applied for them; the civil engineers, the architects, and the men on the Tech, have each a table for themselves. The civil engineers are likely to have another reserved shortly. Any crowd of fellows who wish to meet regularly at meal-times can have tables reserved by conferring with the chairman of the Dining-Room Committee. No guarantee of any kind is necessary, but the committee wishes to be fairly well assured of regular attendance before they make any reservations.

Following is a report of the dining room committee for the four weeks ending Jan. 8, 1910. All the amounts stated as profit or loss are figured without making a subtraction for equipment and depreciation. This item amounts approximately to 300 per year.

For the week ending Dec. 11:	
Total attendance	19,59
Profit on Dining Room	\$37.87
Receipts on Dining Room	387.89
Receipts on Special Dinners	91.60
Receipts from other sources	5.79
Profits on Cigars and Candies	26.71
Expenses on Union Rooms	7.66
For the week ending Dec. 18:	
Total Attendance	2,049
Profit on Dining Room	\$28.70
Receipts on Dining Room	445.28
Receipts on Special Dinners	82.90
Receipts from Other Sources	3.67
Profits on Cigars and Candies	20.56
Expenses on Dining Rooms	22
For week ending Dec. 25:	
Total Attendance	1,493
Loss on Dining Room	\$46.14
Receipts on Dining Room	306.99
Receipts on Special Dinners	11.25
Receipts from Other Sources	3.19
This was the short week preceding the vacation. The profits on cigars and candies, and the house expenses were omitted, and are given for two weeks in the next report.	
Week ending Jan. 1:	
Total Attendance	849
Loss on Dining Room	\$9.09
Profits on Cigars and Candies	31.76
Expenses on Union Rooms	16.46
This was the vacation week during which the Union Dining Room was run for the benefit of the Scientific Societies who made their headquarters at the Union. These societies will make good the loss on the Dining Room for this week.	
For the four weeks ending Jan. 1:	
Total Profit on Dining Room	\$20.43
Total Profit on Cigars and Candies	79.03
Total Expenses on Union Rooms	24.35
The total profit on the Union for these four weeks in round numbers is about \$75. The first five showed a deficit of \$353.86, so the profit of \$75 is a marked and encouraging improvement.	

FORMER WOMEN STUDENTS LISTEN TO ADDRESSES

M. I. T. Women's Association Holds Annual Dinner In The Union

Sixty members of the M. I. T. Women's Association attended the annual dinner given by this body last Saturday. The dinner was held in the upper rooms of the Union, and the general opinion expressed by the members and the guests was that the dinner and the service were excellent. Mr. M. R. Sharff, as the representative of the Union Dining Room committee was complimented by the ladies on the efficiency of the service.

Eight hundred women students have taken courses at the Institute since its foundation. There are about 100 women graduates and also about 100 members of the M. I. T. Women's Association. This Association is mostly for the benefit of the special students who do not attend the regular alumni meetings. It has for its purpose the promotion of education, unity, and good fellowship among the women graduates and past women students of the Institute.

The officers for this year were elected Saturday morning, and a list of these officers follows:

President, Mrs. Ellen H. Richards; Second Vice-President, Miss L. S. Plummer; Recording Secretary, Miss E. B. Babcock; Auditor, Miss E. A. Becker; Registration Committee, Miss F. H. Luscomb, Miss L. B. White; Nominating Committee, Miss E. Manning, Miss G. A. Norris.

The guests at the dinner were Mrs. Rogers, Dr. and Mrs. R. C. MacLaurin, Prof. and Mrs. Osterhout, and Miss Young. The speakers were Dr. MacLaurin, Prof. Osterhout, and Dr. Alice G. Bryant.

Dr. MacLaurin gave an informal talk on the history of the education of women, and of the activity of women in public life. He read some early letters from the pen of William Barton Rogers, which referred to the admission of women to the courses of Lowell Institute. The tirade against women in public life by John Knox, and the answer thereto by Bishop Aylmer were also referred to by the speaker. John Knox had suffered greatly at the hands of the women, Mary Queen of England, and Mary Queen of Scots. Bishop Aylmer was at this time currying favor with Queen Elizabeth, and took it upon himself to answer the writings of John Knox. Dr. MacLaurin concluded his speech by bringing the history of the subject down to the present time.

The next speaker was Prof. Osterhout, who has recently come to Harvard from the University of California. Prof. Osterhout was Professor of Botany in California, and is now teaching Physiological Botany at Harvard. As many of the women present were teachers of Biology in the secondary schools, this talk proved of great interest to them. Prof. Osterhout spoke of the philosophical idea underlying the theory of the effect of environment. He mentioned experiments made by Prof. Jacques Loeb and by himself at the University of California to prove the effect of varying environments on the lower organisms. The theory of the influence of environment once established is directly applicable to problems dealing with education. Prof. Osterhout closed his remarks by showing how this theory may be applied.

Dr. Alice G. Bryant, who is a graduate of Vassar, and who studied chemistry at the Institute, spoke of the de-

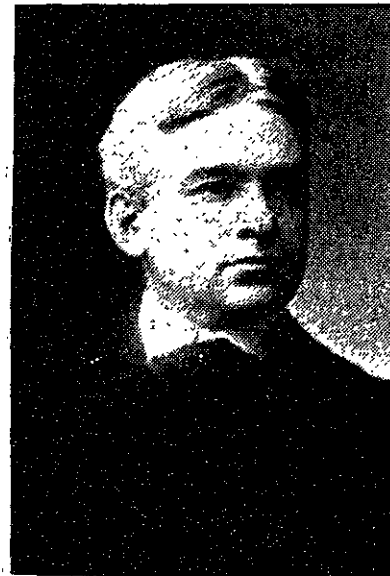
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IMPORTANT RESEARCH IN INDUSTRIAL CHEM

Dr. Walker Appointed Chairman Of Important Committee By A. S. T. M.

Dr. William H. Walker, professor of Industrial Chemistry at the Institute, has been appointed chairman of subcommittee G of committee E of the American Society of Testing Materials. The purpose of this committee is to investigate "The Influence of Pigments on the Corrosion on Iron and Steel." Dr. C. R. Dudley, who was chief chemist of the Pennsylvania Railroads, formerly occupied this position and he was also the president of the society. His death last December has caused the vacancy which Dr. Walker has been appointed to fill.

The work in the Industrial Chemical laboratories under Dr. Walker has grown so rapidly that the whole laboratory of textile coloring has been turned over to research work in various branches; and it was stated that the present Industrial laboratory will soon



DR. WM. H. WALKER.

have to be greatly enlarged and entirely remodelled in order to meet the needs of the department.

At present four research associates and two men working for advanced degrees are engaged in research work under Dr. Walker. The research associates are: R. E. Drake '08, J. S. Coye '08, M. T. Jones, Jr. '08, and Alean Hirsch, of the University of Wisconsin. The men who are working for advanced degrees are: C. P. Randolph, Jr., of the University of Texas, W. C. Slade of Brown.

R. E. Drake is investigating some problems connected with galvanized iron and steel. This work was begun at the Institute last year by Dr. Guertler of Göttingen, and Mr. Drake is completing and extending this investigation.

J. S. Coye is studying the bacterial methods for increasing the amount of glycerine produced in the manufacture of alcohol by fermentation; various organisms are being tested to determine their glycerine producing powers. The analytical methods which had to be worked out in order to determine the amount of glycerine in dilute solutions of alcohol and sugars proved to be a problem of great difficulty, but the solution of this problem has been accomplished successfully. Nothing of this kind has ever been done at the Insti-

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TECH WINS EASILY FROM LOWELL TEXTILE

Prep. School Team Outclassed From Start In Fast Game

The Varsity five swamped the Lowell Textile School team by the overwhelming score of 45 to 4 in the Gym Saturday night. Starting off with a rush, Technology scored eight baskets in the first half and prevented the prep. school team from scoring until the last minute of play when Rensel, the fast little forward, succeeded in breaking away and shooting the first basket for the visitors from a clean floor. Capt. Parker, who was chosen for the All-New England team last season, played a strong, fast game.

In the second period Darling replaced Crocker at guard and scored three times from the floor. Hargraves and Bennis both played well. In this half Rensel made one more basket for Lowell on a long try from the middle of the floor. Avery, who injured his finger in the game with Tufts was unable to play.

The summary:
M. I. T. Lowell Textile.
Johnson, f. g. Jefferson
Hargraves (Ell) r. f. J. g. Phillips
Parker (Capt.) c. c. Bailey
Crocker (Darling) l. g. Rensel
Bennis r. g. Manning (Capt.) (Flynn)

Score—M. I. T. 45, Lowell Textile 4. Goals from floor—Hargraves 5, Johnson 5, Parker 5, Darling 3, Bennis 3, Crocker, Rensel 2. Goals from fouls—Parker. Referee—Quinn. Timer—Chandler. Time—20 minute halves.

1913 DEFEATS 1912

Freshmen Win In Fast Basketball Game By Decisive Score

Between the halves of the Varsity game, the freshmen defeated the sophomores in the first game of the series. In the first half the teams were very evenly matched, and the result was extremely doubtful with the score standing 5-11 in the favor of the freshmen, but in the second half 1913 rushed the upper class men off their feet and easily defeated them by the score of 14 to 8.

The line-up was as follows:
1912 1913
Kendrick, f. Capen, f.
Albee, f. Cahill, f.
Mowry, c. Elwell, c.
Freedman, b. Muther, b.
Stone, b. Thompson, Welch, b.
Score 1913-4; 1912-8. Goals from floor. Muther 3; Mowry, Freedman, McCarthy 3; Kendrick, Thompson. Fouls called—Kendrick. Referee—Lord. Timer—Chandler. Scorer, Pettingell.

PLANT-TEST COMPLETED

The test which began Monday at 4 P. M., was ended at 8 A. M. Saturday. The men from the graduating classes in mechanical and electrical engineering and naval architecture worked in three shifts of eight hours each, under the direction of Prof. Edward A. Miller of the department of mechanical engineering and Prof. Ralph R. Lawrence of the department of mechanical engineering, with Assistants T. H. Taft, S. F. Hatch, J. A. Willard, R. L. Smith, and J. W. Nickerson of the instructing staff.