

DR. TALBOT DINES SENIOR CHEMISTS

Experience in Business Life is Subject of Speeches

WHITNEY'S SOLUTION

Of Personal Equation — Practical Men and Professors Advise Early Experience

With about 65 men present, Dr. Talbot's dinner to the Seniors Wednesday evening proved one of the most enjoyable affairs of the season. At 6:30 the guests sat down to dinner in the Union, after which the speaking lasted until about half-past ten.

Dr. Talbot, the first speaker of the evening, spoke on the wish of the heads of the departments that the men, after leaving the Institute, should keep in close touch with it. He continued with a talk on the obligations and problems which men will meet in the business world. After leaving Tech, men should not be in too much of a hurry to get positions with high salaries, but should rather look for the experience which will in after life fit them to hold positions of the highest responsibility. His advice to his hearers was to get with men who appreciate good work, not to be too anxious about an increase in salary at short intervals, but to give their employers a chance to see whether or no they are interested in them, and then they will probably give them a material increase in salary. In closing Prof. Talbot said, "Be modest, and don't be timid."

The next speaker of the evening was Mr. Hubbard of the Ludlow Associates Manufacturing Co., of Ludlow, Mass. Mr. Hubbard gave an interesting talk on business life, with special reference to the responsibilities of the employer for his employees, and his liabilities to answer for the accidents which happen to his men while in his employ. He also spoke on the questions of insurance and the care of men during old age.

Mr. C. A. Stone of the firm of Stone and Webster, was the next speaker of the evening. He spoke of Institute men and said that the Tech man was probably the best example of the modern college man. In regard to business, he said that the man who could get a broad grasp of a situation was the man who succeeds. The best engineer, he stated, was the man who combines his theoretical training with his practical experience, and who can take a general grasp of his subject. He also advised the men to get experience as a first requisite for a successful career.

The next speaker, Dr. Whitney, of the Research Laboratory of the General Electric Co. of Schenectady, N. Y., non-resident professor of theoretical chemistry, and president of the American Chemical Society, corroborated Mr. Stone's statements, and said that, though a man must have a great deal of theoretical knowledge, he must couple this with practical experience. He made the hit of the evening by his solution of the personal equation by means of theoretical chemistry.

Dr. Dewey was the next speaker of the evening, and advised the men not to be too eager to get along immediately, but to seek the position which gives experience first rather than pecuniary reward. He said, "Don't get the reputation for being a rolling stone, but move around nevertheless."

Prof. Harrison W. Hayward, who concluded the program, spoke on the industrial education of workingmen, and said that a wave of this sort had already started to sweep the country. He advised the men to watch the development of industrial education in Massachusetts and throughout the country.

The University of Illinois has purchased an electric fire truck with a capacity of 600 feet of 2 1/2-inch hose.

CONSIDER JOINING NATIONAL SOCIETY

Mechanicals May Affiliate with American Main Organization

TALK ON GAS ENGINES

H. K. Spencer Tells of His Thesis Investigations — Lanza Advises Union

Prof. Gaetano Lanza, head of the course in Mechanical Engineering, addressed a meeting of the Mechanical Engineering Society, Wednesday evening, on the advisability of having the society affiliated with the American Society of Mechanical Engineers.

There are only four national engineering societies in the country. They are the societies of Mining, Electrical, Civil and Mechanical Engineers. Prof. Lanza seemed to favor combining with the national order. The expense he said would in all probability be slight. The chief advantages resulting would be that the society would be able to obtain the valuable reports and journals of the American Society at much reduced rates. Probably a number of these would be furnished the Institute society free of charge and more could be bought at a rate of about \$2 per copy, rather than the \$5 charged to non-members.

These papers, Prof. Lanza said, could be read and would form interesting discussion at meetings, and might occasionally replace the regular evening's speaking. Many other student bodies have joined with the national society, including those at Cornell, Purdue, University of Kansas, and the University of Illinois.

Pres. F. A. Dewey 1909, of the society appointed a committee of three to investigate the matter of a union with the national organization. The committee is A. L. Fabens 1910, A. G. Batchelder 1909, and F. A. Dewey 1910.

C. W. Hubbard 1909, the retiring president, was presented with a gavel in recognition of his services during the past season. Mr. Hubbard thanked the society and wished it great prosperity for the future.

The talk of the evening was an interesting one by H. K. Spencer 1909. Mr. Spencer told of his thesis work on a Meitz and Weiss, two cycle, three vert. gas engine. Oil was used for fuel. The engine is a German one. One of its most distinctive features is the method used for ignition. A small metal dome is heated at starting by means of a small lamp. Once the explosions have commenced the dome continues in a state of red heat as long as the engine continues to run, the heat of the explosions alone being sufficient to keep it in that state.

Mr. Spencer spoke chiefly of the effect of moisture in the cylinders. The conclusions that he had reached were as follows: Water keeps the piston cool at starting and there will therefore be less liability of sticking in the cylinder due to expansion. The engine friction will be decreased because the hard tarry deposits found ordinarily in engines are kept soft and in a slimy condition.

CHANGE SENIOR DANCE

It was decided at the meeting of the Class Day Committee yesterday afternoon to combine the Class Day Oration and the First Marshal's Speech, and this year both will be delivered by First Marshal Maurice Scharff.

The Senior Dance will be held Saturday evening, after the Musical Clubs concert, instead of on Monday evening, as previously announced. The reason given is that the Jubilee Smoker is set for Monday, and many of the men want to attend both.

Dark suits will be worn by all men connected with graduation exercises.

CIVILS HAVE BIG TIME AT BANQUET

Excellent Speeches by Men Of Department and Prof. Spofford

SWAIN GETS LOVING CUP

Expression of Gratitude Shown Spofford Promises Success Of Department

With Profs. G. F. Swain, C. M. Spofford, D. Porter and E. F. Miller, and Mr. T. E. Byrnes as speakers, the Civil Engineering Society held its annual dinner at the American House last night.

A large silver loving cup was presented to the resigning Hayward Professor by the first speaker of the evening, Prof. Porter.

To show how high he stood in the estimation of all those present, he asked Prof. Swain to rise and receive the cup as a token of the appreciation of his work done for the instructors and students of the Institute. The cup was the gift of former students.

Prof. Swain then told how much moved he was over the expression of gratitude on the part of the instructing staff and the student body. He had not yet reached the age, he said, in which you look back, but, at the same time, in past few months he had been looking back on the years spent at the Institute. He had gained more faith in the results of the work of instructors by the expression of gratitude shown lately. "The work of an engineer," he continued, "is not appreciated. Forty names are inscribed in the Hall of Fame in New York, but among them none of an engineer. This is not because the work they have done is insignificant, but perhaps because the training they have had in education has not been thorough enough. The

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TENNIS RANKING

Several Changes in Order of Playing in Tournament

Several changes have been made in the rating of the tennis players. The list of the ten best players has been greatly altered as a result of several challenges. Capt. T. B. Parker 1911 defeated F. W. Covill 1911, and now holds first place in the ranking. M. K. Sweet 1910, who held third place has withdrawn from competition, and by virtue of having defeated P. M. Wentworth 1909, H. P. Farrington 1909, now has Sweet's place. Pritchett defeated Barnes and M. D. Price 1910, held his place by beating D. V. Williamson 1910 who challenged him for his position.

The list as it now stands is as follows: 1. T. B. Parker 1911; 2. F. W. Covill 1911; 3. H. P. Farrington 1909; 4. P. M. Wentworth 1909; 5. T. B. Whittemore 1910; 6. L. Pritchett 1909; 7. A. Barnes 1909; 8. M. D. Price 1910; 9. D. V. Williamson 1910; 10. R. Runell 1911.

In the spring tournament the preliminary round has been played off. The results follow:

J. B. Little 1912, beat T. B. Polhemus 1911, by default. H. P. Farrington 1909 defeated M. K. Sweet 1910, 2-6-6-9-6-2. P. M. Wentworth 1909, beat T. C. Fisher 1912, 6-1, 6-3. G. M. Keith 1912, beat J. H. Ruckman 1910, by default. L. Pritchett 1909, beat H. D. Williams by default. C. B. Rowley 1912, beat T. Haslam 1911, 3-6, 6-3, 6-2. M. D. Price beat J. O. Greenan 1911, 6-5, 6-4.

In the second round F. W. Covill 1911 has put out T. B. Whittemore 1910 6-1, 6-3. H. P. Farrington 1909, beat P. M. Wentworth 1909, 6-4, 9-7. T. B. Parker 1911, beat M. D. Price 1910, 6-1 6-3. R. E. Runells 1911, beat J. A. Boyer 1912, 6-1, 6-0.

This round must be finished by Monday, May 11.

SEASON TICKETS FOR ALL SPORTS

Athletic Association Votes to Issue General Combination

FENCING IS DROPPED

Insignia Awarded to This Year's Team — Other Business Done at Meeting

At a meeting of the Advisory Council held on April 29, the following scheme for season tickets was approved, and at the meeting of the M. I. T. A. A. the plan was accepted:

SEASON TICKET REGULATIONS.

Price \$3.00.

General Regulations.

Tickets are non-transferable, and must be signed by purchaser at time of purchase.

Ticket holders not limited to students or those connected with the Institute.

Tickets will give admittance but not reserved seats at:

1. All home track meets both indoor and outdoor, except the N. E. I. A. A. meeting.

2. Field Day.

3. All basket-ball games at Tech Gym.

4. All other athletic contests held at the Tech Gym, or athletic field under the direct auspices of the Advisory Council. Teams participating in said contests receive financial aid from Advisory Council.

No guarantee is made as to the number of these events.

Holder of season tickets will be given preference to reserved seats (not exceeding two) at:

1. Tech Field Day.

2. Track meets.

3. Tech sections at B. A. A., N. E. I. A. A., and I. C. A. A. Athletics; W. E. I. A. A., and I. C. A. A. A. A. meets.

The tickets will be printed and turned over to the managers by the Advisory Council. Each manager must, before November 1st, deliver to the Advisory Council \$2.00 for each ticket, or the unsold tickets. The difference of \$1.00 will go to that branch of athletics.

Each manager at the beginning of the season will be given a grant by the Advisory Council, on the understanding that this grant will be all the team will receive from this source. The balance required by each team must be obtained by the sale of tickets, gate receipts, and from the proceeds of reserved seats.

In special circumstances, managers will obtain extra money through the same channels as at present, viz: petitioning the Advisory Council through the Athletic Association.

The Cross-Country and Hockey teams will have to raise a portion of the money they require by the sale of tickets as well as those branches of athletics which charge an entrance fee.

The managers of the Track and Baseball teams and the captain of the Cross-Country team are authorized to sell tickets.

Each manager will as usual be required to submit to the Advisory Council a detailed report of the receipts and expenditures as a guide to making appropriations for the next year.

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CALENDAR

FRIDAY, MAY 7.

6:15 P. M.—New York State Club dinner at Union.

SATURDAY, MAY 8.

12:00 P. M.—Senior Portfolio Comm. at Union.

2:15 P. M.—Track Meet at Field.

1:20 P. M.—Rifle Club leaves North Station.

2:00 P. M.—1912 vs. Gloucester at Gloucester.

MONDAY, MAY 10.

3:00 P. M.—Track work at Field.