CHESS TEAM PLAYS ALUMNI TONIGHT
Team Plays Harvard On January 17—Both Matches Will Be Held In The Union.

There is probably very seldom an opportunity for seeing as interesting a chess tournament as will take place between the Chess Club and the Alumni tonight at 7.30 in the Union. Everyone who is interested in chess, whether they belong to the Chess Club or not, seems to be excited by the prospect of seeing a very exciting contest.

The teams for both sides have been announced as follows: Alumni—Norwood, Merrill, Hoyt, Whitehead, Grant, and Gossling; Chess Club—Woodbridge, Saladrigas, Kentish, Deene, Blank, and Paris. These men are all expected to be on hand at 7 o'clock.

On January 17 the Technology team will face their old rival, Harvard, in another match. In the last match Harvard barely won by a score of 4½ to 3½, but, this time the Technology Team feels confident of a victory. The tournament will be held in the Union at eight o'clock. There will be eight boards. The men who will play will be announced later.

At the meeting of the Executive Committee, a ranking of the players and a list of the standing of the ten best players will be posted every Monday in the Union. The following conditions for challenging were also adopted: A man can challenge any player of the next better standing, with the exception that any man may challenge the last player. Challenger should furthermore confer with his opponent and make necessary arrangements to prevent conflicts. Also the reports of the results must be left in the hands of Captain Kelly. Matches will be played Thursday afternoon of the week in which the game was played. This plan was adopted with the hope of creating the interest in chess and also to get a better standing of the Club.

TECH ALUMNUS DEAD

Mr. George Herrick Billings, president of the Compressed Steel Shaf ting Company and one of the best known iron metallurgists in New England died Wednesday at his home in this city as the result of a paralytic stroke sustained a week ago last Sunday.

Mr. Billings was born at East Tufton, Mass., Feb. 8, 1845, and was educated in the public schools at Pittsburg, Penn., and at the Massachusetts Institute of Technology. His entire life was devoted to the manufacture of steel, invention of steel processes, and perfecting the presses. He was a number of inevitable inventors and wrote a number of valuable scientific tracts.

MUSICAL CLUBS PICTURE

Photographs of the combination of orchestras, bands and college choir will be taken at one o'clock at Norton's, 5 Park Street.

TECH WRESTLES AT EAST WYMOUTH TONIGHT

Meets Clapp Memorial Association—Both Enters Will Be Held Balanced Team.

Tonight the Tech Wrestling Team meets the Davis Bates Clapp Memorial Association at East Wymouth. When Manager Smythe-Martin was recently interviewed he said that he had no doubt whatever but what his team would win a majority of the bouts, for under excellent coaching, the members of the team have shown up remarkably well. Means will be unable to compete on account of a fractured ankle. The Manager also stated that the tickets for the Brown meet were going fast, more than two hundred having been sold already.

The team will leave on the 6:21 train from the South Station. Getting off at Braintree they will take the street cars for Central Square, East Wymouth. The train will be eleven o'clock. The men representing Tech are as follows:

125-pound class—Loo.
135-pound class—Smythe-Martin, Durkee, Rounds, and Capt. Kelly.
140-pound class—Treat and Moore.
158-pound class—Walter and Goodell.

Heavy-weight class—Leslie and Crownell.

The men representing the Clapp Assn. are:
125-pound class—M. Zeoli.
135-pound class—C. Ovairian, F. Zeoli, Deldomeno, and Atlahit.
158-pound special class—F. Drinkwater and J. George.
135-pound class—H. Siron and G. Price.

Heavy-weight class—B. Warren. Captain Kelly says that the two Zen brothers and F. Woodrow are exceptionally good men, so that some mighty close matches ought to be witnessed.

Dr. W. F. Provan, instructor of dentistry at Harvard College, and former lightweight champion of New England, will referee the matches.

WIRELESS SOCIETY

Next Wednesday afternoon at 4:15 o'clock the Wireless Society will hold a meeting in H Engineering B. This will be a very important meeting, for the future policy of the society will be discussed. All men in the Institute who are at all interested in wireless are cordially invited to attend.

PROGRESSIVE CLUB

An important meeting of the Executive of the Progressive Club will be held in the Union on Tuesday at 11 a.m. Business relative to the new organization of the Club will be taken up.

1915 CLASS PIPES

The sale of the '16 Class Pipes will be continued in the Union Monday and Tuesday of next week from 1 to 2 and 1 to 3, respectively. Positively orders for pipes will be taken after that date. All are urged to hurry their orders.
TUESDAY, JANUARY 3, 1914

THE TECH, BOSTON, MASS.

C0LLEGE NEWS

There are fourteen fewer medical schools in the United States than there were a year ago. 1200 fewer persons studying medicine in 1913 than in 1912, and there was a decrease of 500 in the number of medical graduates, according to figures compiled by the United States Bureau of Education.

The reduction in the number of medical schools is part of a steady movement for improved medical education which has been going on for at least eight or nine years. The American Medical Association, the various state medical societies and other agencies have aroused public opinion to such an extent that several medical colleges have either merged with other institutions or ceased to exist, and the standard of medical training has been considerably raised.

Of the 101 medical schools now listed on the bureau's roll, the number requiring one or more years of college work as a prerequisite to enrollment upon the study of medicine--State examining boards of North Dakota, Iowa, Wisconsin, Indiana, South Dakota and Kentucky have introduced regulations, most of which have been made effective within a year or two, providing that every applicant for a license to practice medicine shall have studied two years in college, after a four years' high school course, before entering upon a medical training. A similar requirement covering one year of college work will be enforced by the state boards of Connecticut, Kansas, Utah, Vermont, Pennsylvania and California.

The Junior Honors Committee at the University of Illinois bought over four hundred pounds of candy for the junior dances. This made over 10,000 pieces and left more than twenty pieces for each individual.

The authorities of the University of Illinois have ordered an equipment for the University's printing plant. The equipment will be owned and conducted by the University and will be used for printing material for the college. This includes the University Register, the Illinois Weekly, the Illinois Magazine, the Illinois Agriculturist, the Students' Directory, and The Daily Illini.

Brown University has received over one hundred thousand dollars for the construction of a Biological Building to be known as the Arnold Biological Laboratory.

CHEMICAL SOCIETY TALK

[Continued from page 1]

felt poorly repaid for its exertions by the doleful and laconic reception, owing to the lack of vegetation on the island.

On the way to Spitsbergen, the crossing of the Arctic Circle was celebrated by a visit from Neptune, the god of the sea. Special ceremonies were enacted with a certificate of baptism by the great god. Professor Moore read his copy to Moore read his copy to the Society.

Spitzbergen showed itself of an even more barren and mountainous type than Iceland. It is 28,000 square miles, and has little or no population, about the only inhabitant being the members of an expedition stationed there. An interesting fact is that the members of these expeditions, although

S. M. H. and L. of the Massachusetts Institute of Technology.

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WAY TO SUCCEED HERE IS TO DO "A DAY'S WORK" OUT OF THIS COURSE.

It is not undesirable, for the only way to succeed here is to do "a day's work" out of this course.

The sacrifice of general preparation for a license to practice medicine has been considered.

Though less important work. Before the test is over the men who participated in it are to report upon it, making suggestions observations and calculations.

This means working in eight-hour shifts, and the test is carried on constantly. Various stations have been made, the men on each having charge of one and only one phase of the work.

Each "one-station for the entire period of the test and works one shift a day. The test closed at 8:00 A.M. today.

The one best fountain pen for you--ASK YOUR DEALER.

Penn has received her third Rhodes Scholarship. The other two have been awarded to members of the Classes of 1904 and 1908.

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"LA BOHEME" TO BE GIVEN MONDAY NIGHT
Tetrazzini To Sing In Title Role Of "Lucia" For Saturday Matinee.

The Boston Opera Company will start its seventh week next Monday. The repertoire contains no new operas but includes several of the most popular ones with very good casts. The week will open with a repetition of Puccini's "La Boheme," on Monday, January 5th. The cast will be the same as at the previous performance, including Maggie Teyte as Mimi, Guazzoni Martinelli as Rodolfo, and Henry Dangas as Marcello. Mr. Moranzoni will again conduct this popular lyric drama of the Bohemian student life of Paris.

On Wednesday night, Saint-Saen's "Samson et Dalila" will be given in a third hearing of the season, with Margarita D'Alvarez and Eduardo Ferrari-Fontana in the title roles, and Henry Dangas, Jose Mardones and Paolo Ludikar also in the cast. Both of the former performances were great personal triumphs for Mme. D'Alvarez and Mr. Ferrari-Fontana, and local audiences are again given an opportunity to hear these incomparable artists in roles quite worthy of them. Mr. Andre-Caplet will direct.

The Friday night offering will be "The Jewels of the Madonna," an opéra that proved so popular last year that it had to be given seven times. Certainly, few modern works equal it in brilliant, melodiousness, and swiftness of dramatic action, which insure its continuance as a favorite. The cast will include Mme. Ferrari-Fontana as Garnet, Mirco Edvina as Malviva, Mme. D'Alvarez as Rosette, and Vanni Marcoux, who will appear in the role of Raphael. The rest of the long cast, which includes practically the entire Italian section of the company, will be the same as before. Mr. Moranzoni will conduct.

On Saturday afternoon Mme. Tetrazzini, whose popularity seems even greater this year than before, will reappear in her familiar but always greatly admired role of Lucia. The supporting cast will be the same as at the previous performance, including M. Ferrari, Taddeo Wronski and Mardones. Mr. Moranzoni will direct.

The Saturday evening performance will be "Faust" with a new cast. Mme. Margherita Beriza, the new soprano from the Opera Comique in Paris, will sing Marguerite; Leon Labitte will be the Faust, Taddeo Wronski the Mephistopheles, and M. Mendelssohn and Everett and Minn. Swartz-Morse and Leveroni will be cast in the other parts. The conductor will be Edouard Tournois, who won such high praise by his conducting at the former presentations of the Comique operas.

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THE TECH UNION BARBER SHOP

1916 CLASS DINNER

(CONTINUED FROM PAGE 1)

Dr. Joseph Lipka, the speaker on the program, treated the subject of observation in engineering. He described the difference between the student's work and that of the graduate. The student may work hard at his studies, but his work is all laid out for him, and he is constantly employed in assimilating knowledge which is prepared for him by others. The engineer in real life must be constantly working on his own methods and discovering his own ways of doing things. He must also cooperate with others who are doing the same things, and are trying to do them better.

Observation, according to Dr. Lipka, is a faculty which must be cultivated by students who wish to succeed in life. The observation of all things, even those apparently trivial, is of great importance in engineering and science. As an illustration of the value of observation, he cited the story of Newton's being led to the discovery of gravitation by observing the fall of an apple.

He also spoke of the need of the Institute for all-around men. College men, he said, are divided into two classes, and "good fellows." The former class overlap to some extent, but not as much as they should. Men who combine the three classes are the best and he said he found that Malcolm Kent, of the class of 1934, would be an athlete and good fellow, as well as a student.

Professor Wickenden, the next man on the program, made an appeal for Tech men to live in a world of integral signs and chemical equations, a world of ideas instead of people. The men were urged to rub elbows with their fellow-students as well as with their instructors, and they should realize that the Institute are men from every part of the world, men who have had all kinds of experiences, and Professor Wickenden said that probably nowhere else would a man get another such opportunity for contact with so many different kinds of people. The engineering problems of the present day are largely problems of human nature, and it is well worth while for the Tech man to take every opportunity of learning his fellows.

In conclusion, he congratulated the Sophomore Class on its showing at the banquet, and said that the good attendance showed a desire for fellowship, and the banjo side of life. Mr. David Carb started his talk by saying that he had intended to give the even clever touches and give the men the full benefit of his wit. The reference in THE TECH to his reputation for humor scared him, however, and he felt the responsibility imposed on him was too great. His choice was "On Finality," puzzled the men at first, but they soon found that it was not at all humorous. He first characterized the year as one in which the old authorities are being thrown down, and no new ones have yet appeared. Men do not know, or accept other people's say-so in any matter, whether of religion, politics or science. Authorities which were once supreme are no longer powerful.

E. E. SOCIETY GOES TO FORE RIVER YARD

Large Shipbuilding Plant Inspected Yesterday Afternoon

About forty men, under the auspices of the E. E. Society, made an inspection of the Fore River Yards in Quincy, the Fore River Co. is of special interest because it handles a great number of the government's battleships, submarines, torpedo boats and cruisers. The company employs about 4400 men and does about $15,000,000 worth of business in a year, while its yards copy an area of more than 100 acres.

As a matter of fact there are under the process of construction two battleships. One is nearly finished, the guns, torpedos and turrets being completed. It is said to be one of the largest battleships in existence, its armor plate being 13 inches thick. The other ship is not yet ready for launching. As soon as its plates are riveted together so as to get the hull in floating condition it will be launched to the rest of the work can be completed on the water. A torpedo boat tender and a submarine are also under the process of construction.

Besides the government ships the Fore River Co. build. One is completed, and two more must be built and makes all kinds of repairs. Besides exceptions of armor plates and the guns, the various parts are manipulated and worked into shape in their own machine shops. While in commercial shipbuilding the company designs the ships and uses nothing but their own material in construction.

University of Maine students must no longer indulge in the festive tango dance at any affair held under the auspices of the university, and the party may expect to be powers in modern life.

The Political Economy Exercises were given between November 29th and January 3rd, inclusive.

THE TECH, BOSTON, MASS., JANUARY 3, 1914.