

THE TECH

VOL. XXXII. NO 57

BOSTON, MASS., FRIDAY, DECEMBER 13, 1912

PRICE TWO CENTS

"WAS IST LOS?"



Do not read this article, for, I warn you, you will only be sorry for it if you do. Believe me, I know what I am talking about, and you do not. You are reading it now, are you not in spite of what I tell you? And when you finish you will feel like kicking yourself and disturbing your calm and gentle thoughts by cussing long and heartily.

All it is, is more foolish dribble by that scatter-brained bunch of young hoodlums who are trying to spring something on the Institute. More of this "VAS IST LOS" business, urging you to save up your pennies and invite your girl to enjoy the picnic with you. Also informing you that the price is \$1.50 per head, and that all the prominent men are going to be there, including the Right Honorable Mr. Colton, R. H. P. M. F. B.,* Charlie Cross, and Handsome Hatless Hughs.

Now you have read the article and you are sore clean through. You tear your hair and swear you will never read another article like this again. All I say is, "VAS IST LOS?" I told you so.

*R. H. P. M. F. B. signifying Royal High Purveyor to Mellen's Food Babies.

SOPH HOCKEY MEETING.

Candidates for Class Team Meet in Union This Noon.

Today, at 1 o'clock, there will be a meeting in the Union to organize a Sophomore class hockey team. The class has a lot of good material which is not, however, quite good enough for the Varsity team, besides several men who are now on the varsity squad, but who will probably be cut from the squad, as there is a large number of subs out this year.

It is believed that a class team will be a big success, in spite of the fact that this is the first attempt in this direction. The team would probably get the use of the Arena occasionally and practice against the Varsity seven. A schedule is to be arranged with preparatory and high schools. This will give the second rate men a chance to improve and thereby strengthen the reserve of the Varsity team, besides developing men for next year.

At the meeting today a temporary manager will be elected and arrangements will be made for practice. If the project makes a favorable impression an effort will be made to have the Freshman class organize a team and then play a class series, as has always been the custom in basketball and baseball.

BIOLOGICAL SOCIETY TRIP GREAT SUCCESS

Enjoy Hospitality of Rueter Brothers — Dr. Floyd Gives Talk.

As guests of the Rueter Brothers, proprietors of the Highland Spring Brewery in Roxbury, the Biological Society enjoyed one of the most pleasant evenings of their career. The number of men present was not as large as was hoped for, although about two dozen men enjoyed the hospitality of the Rueter Brothers. The objective point of the trip was kept secret until the very last minute, and not even the faculty members of the society knew where their destination was. The entire trip was arranged entirely by the student heads of the Biological Society and was carried out most successfully.

Upon entering the brewery, which is devoted solely to the manufacture of Sterling ale, the men were conducted through the various offices and given some idea of the amount of business transacted. After leaving the offices Mr. W. J. Croft took the society in charge and conducted them through the brewery proper.

The first step in the manufacture of ale is the malting process, which is not carried out at the Highland Spring Brewery, but consists simply in allowing wheat to germinate or sprout and then stopping the sprouting process before it is completed. This malt is then sent to the brewery, where it is first tested and then put into large copper vats, where water at a temperature of 155 degrees Fahrenheit is allowed to percolate through it. The extract which is drawn off at the bottom represents about 64 per cent. of the malt used. This malt extract is tested by the iodine test for starch, one of the most delicate known to the science of chemistry, and if even a trace of starch is present the entire brew is immediately discarded. It seems that starch impairs the "keeping" qualities of the final product. If no starch is present the extract is put into immense copper kettles supplied with steam coils and there boiled with hops to give the characteristic flavor to the ale. From here the liquor is passed through copper pipes to a large condenser, where the temperature is lowered to about 60 degrees Fahrenheit. At this point the yeast is added in the form of a thick paste. It might be interesting to add that the Rueter Brothers have used the same yeast over and over for at least twenty years.

From the condenser the liquor passes down to the fermenting vats—large wooden tanks—in which it is allowed to remain seven days. After the first three days the foam is skimmed off of the top and discarded with its content of carbon dioxide, and after about seven days a scum of yeast may be taken off to be used in the starting of the next brew in the fermenting process, for if no yeast were added to start the action it would require a much longer time than at present to obtain the finished product. From these vats the finished ale is drawn off at the bottom and put into barrels or kegs.

Before the ale is put into the final package, however, it is tested as to color and deleterious contents. A sample of each brew is taken, thereby insuring absolute uniformity of product and uniform quality. Samples

(Continued to Page 2, Col. 2.)

REV. GIFFORD GIVES INTERESTING TALK

Noted Speaker Addresses T. C. A. On "Understanding the Times."

Before an interesting gathering, Rev. T. O. Gifford gave one of the most entertaining and helpful talks that have been given before the T. C. A. for some time. Rev. Mr. Gifford is a master of epigrams and has a way of speaking that is as interesting as it is indescribable. He spoke on the topic, "Understanding the Times," and introduced many illustrations and witty comparisons which enlivened his discourse and made it surpassingly interesting.

An unfortunate occurrence marred the lecture. This was the slight attendance, due to many men leaving before the speaker had arrived. The reason for this was not lack of interest in the speaker and his message, but was simply because the clock was fast and many men hastened away a good while before they really needed to. By so doing they probably missed one of the most interesting and instructive lectures of the year.

The keynote of Rev. Mr. Gifford's talk was church co-operation, and in enlarging on it he brought in the different spirit which prevails in the churches at Thanksgiving time from that which prevailed in his boyhood days. At present, he said, the churches unite in one common praise service, while in the old days they were continually at theological war with each other.

Another point which Rev. Mr. Gifford laid stress on was the usual insincerity in prayer. For illustration he cited the case of the servant girl who, having heard a young man pray at family worship in the morning that the sick might be visited, diligently inquired until she found a sick man and went and visited him. When questioned about her action she asked: "Shure, don't yez mean what you pray?" Our prayers, according to the speaker, are too often sent up "the way the ocean sends up the spray, trusting the upper currents to take it where it is most needed."

Rev. Mr. Gifford's talk struck a responsive chord in the heart of every man present, and all who heard it left the meeting feeling the better for having been there.

INSTRUCTOR CHOSEN.

Mr. Joseph W. Phelan, an instructor in Inorganic Chemistry at the Institute, has just been elected a member of the School Committee in Medford. The election this year was very closely contested, and an especially large vote was brought out. Mr. Phelan's plurality being about one hundred and eighty. His election is an indication of the desire of the voters of Medford to have a man well acquainted with the problems of education on the School Committee.

There have been some queer coincidences, but the Polycon class was treated to one yesterday that surely can not be beat. As the class started at 12 o'clock of the twelfth day, of the twelfth month, of the twelfth year of the century, to make the matter complete, Professor Doten let out the class twelve minutes before the hour.

WRESTLING TEAM TO GO TO EAST WEYMOUTH

Almost a Certain Win for Tech — Harvard Meet Next Wednesday.

The first wrestling meet of this season will be held in East Weymouth tomorrow, when the Tech team meets the Clapp Memorial Gym team. All the men are in fine condition and have been working hard. It is almost certain that Tech will win all the bouts. Last year H. W. Treat was the winner in an open meet.

C. A. Blodgett and J. G. Kelly are entered in the 135-lb. class; R. Smythe-Martin in the 145, H. W. Treat and E. P. Alexander in the 158. A. H. Means, in the 125-lb. class, will be unable to go with the team because of the doctor's orders, and Sayer, '16, in the 115-lb. class, because there is no one to oppose him. Dr. W. F. Provan, N. E. welterweight champion, an instructor at the Harvard Dental School, will referee.

A meet is to be held with Harvard at Cambridge, Wednesday, December 18, at which the Tech team has a very good chance of winning all the good events. A Brown meet will be held at the Tech Gym after the mid-year.

All Freshmen out for the wrestling team have been requested to be at this meet at East Weymouth to get some experience by watching the wrestlers. The men will leave the South Station at 6.20 P. M. tomorrow.

PORTFOLIO NOM.

Senior Pictures to Be Taken at Notman's Next Monday.

At a meeting of the officers of the Senior Class, held yesterday afternoon, it was decided to have the class pictures taken at Notman's on Monday, December 16, at 1.15 P. M. The president will also appoint a committee to take charge of the Senior Portfolio Committee nominations.

Nominations for members of the Senior Portfolio Committee may be left at the Cage for the 1913 Nomination Committee. These must be signed by at least ten members of the Senior Class, and must be in before 4 P. M., Friday, December 20.

President Wheeler of the University of California believes that, compared with the ordinary marriages made in heaven, the marriages made in college are a great improvement.

THE WEATHER.

Forecast for Boston and vicinity: Fair Friday; much colder tonight; moderate to brisk westerly winds.

CALENDAR.

Friday, December 13, 1912.
5.00—Lowell Institute Lecture—Huntington Hall.
4.00—Rifle Practice—First Corps Armory.
2.00—Architectural Society Meeting.
1.00—1915 Hockey Candidates—Union.
1.00—All Candidates for Business Staff of THE TECH—Upper Office.
Saturday, December 14, 1912.
3.00—Indoor Handicap Meet—Gym.
8.00—Cosmopolitan Club Meeting—Union.

THE TECH

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FRIDAY, DECEMBER 13, 1912

The several men who are removing various posters from the bulletin boards, and in particular those placed by the Technology Christian Association, most of which are especially desirable, certainly have a very poor idea of values, and deserve a characterization in most contemptible terms. If they have no more respect for any activity in the Institute than is displayed in their school boy tricks, they might at least prove themselves to be gentlemen enough to let the posters do the work they are intended for. It takes no little time to make these posters, and the men who are drawing them are certainly not doing so for the edification of some "lifter."

This is not a matter which can be dealt with stringently, for it rests with each man whether he shall cooperate with the student activities or retard their progress by his meddling and fault-finding. We sincerely hope that in the future the posters may be left on the boards.

BUSINESS CANDIDATES.

There will be a meeting of candidates for the Business Staff of THE TECH today at 1 o'clock, in the Upper Office. It is very important that all men out for this staff attend.

CLOSES THE CONTEST.

Final Editorial on Optional Subject Due Monday.

The final editorial in the Pi Delta Epsilon contest will be due Monday afternoon by 5 o'clock, at the Cage, addressed to the Pi Delta Epsilon Contest Committee. As with the last two editorials, this may be on any subject the contestant desires. As a suggestion, the committee offers the idea that something intimately connected with student life be chosen. This is not necessary, however.

The announcement of the results of the contest will be made in the course of a week or so through the columns of THE TECH.

FIRST DINNER.

Last evening the Civil Engineering Society held a dinner in the Union. It was well attended, and the meeting was addressed by R. E. Backenhuss after the dinner.

COSMOPOLITAN CLUB MEETING TOMORROW

Chinese Students to Provide Entertainment in Union at 8 O'clock.

The fourth meeting this year of the Cosmopolitan Club will be held in the Union tomorrow evening, and will be a "Chinese Night." A special committee has been appointed to arrange decorations which shall be distinctly Chinese, and they will do their best to take those present back to the land of the dragon. Owing to a mistake of the printer, the invitations have not yet been sent out, and the Executive Committee of the club have not disclosed the program, but it will probably in tomorrow's TECH. The affair is to be informal.

These entertainments are given by the foreign students at the Institute, each nationality being represented at one of the evenings. There were over two hundred present at the last entertainment, which was given by the Arabian students. The club has been very prosperous this year, and the Executive Committee are endeavoring to make the program the best possible.

BIOLOGICAL TRIP

(Continued from Page 1, Col. 1.) of it are also bottled and allowed to stand for six months to determine whether or not it will keep.

All this was shown and explained in detail to the society. The details, however, for the most part are entirely too technical for publication in a general paper like THE TECH. Suffice to say that even the minutest process was gone into and thoroughly explained and an opportunity given for asking questions.

After the trip of inspection the society was ushered into the dining room, where two long tables were set. After toasting the Rueter Brothers the men proceeded to enjoy a typical German dinner, including sauer-kraut and all the "fixins." During the dinner E. W. Bowler, '13, kept the table in an uproar with witty sayings and jokes, and, no doubt, added somewhat to the enjoyment of the meal.

As President Tolman remarked: "It is unusual for good things to come in such big bunches, but the society certainly is experiencing one of these unusual demonstrations tonight," for after the dinner Dr. Cleveland Floyd was introduced and spoke to the assembled members. Dr. Floyd has done much toward ameliorating the scourge of tuberculosis, and his talk on "Tuberculosis and the Pneumo-Thorax Treatment" was very well received.

"Tuberculosis," said Dr. Floyd, "is one of the worst scourges of the human race." He then went on to distinguish between the various forms of the disease, such as those which affected animals, birds and fish, and finally that form which is fatal to the human being. It seems that there is a difference of opinion with regard to the ability of one form of the disease to develop into another form, and especially with regard to the ability of the forms affecting lower orders of life to develop into human tuberculosis. Thus it has not been settled as yet whether or not human tuberculosis may be developed from drinking milk from a diseased cow. The general consensus of opinion seems to be that it is not an experiment to be tried for mere pleasure alone, and one that is fraught with possibilities. It has not been shown in the cases of human tuberculosis that the bovine bacillus was isolated from the lungs, indicating that tuberculosis cannot be contracted from milk, or that the bovine species of bacillus possesses the peculiar power of transforming itself into the human variety.

Another view of the origin of tuberculosis, said the Doctor, which seems (Continued to Page 3, Col. 2.)

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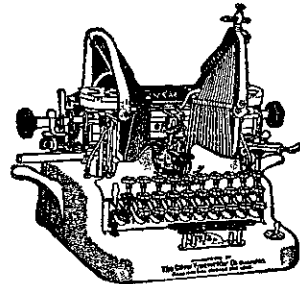
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MASONS TO MEET.

There will be a meeting of the Masons in the Institute in the Union at 8 o'clock Tuesday evening, December 17, when Mr. Samuel Crowell, M. I. T., 1880, will speak. It is requested by those who have arranged for this meeting that all members of the order attend and signify their intention of so doing by handing their names to Mr. T. H. Haines, 10 Engineering A, before Monday night.

MEETING POSTPONED.

Architectural Society to Hold Regular Meeting Today.

Owing to the visit of Professor Duquesne of the Agricultural Department of Harvard to the Institute yesterday, the Agricultural Society and not hold their scheduled meeting, at which the members were to vote on the applications of the University of Michigan and the Carnegie Technical School for membership in the Intercollegiate Architectural Federation. Professor Duquesne visited the Course IV exhibition rooms and criticized the fourth and fifth year designs.

The meeting will be held this afternoon, and all members of the society are urged to be present.

FIRST INDOOR TRACK MEET TOMORROW

To Be Held in Gym at 3 P. M.—
Liberal Handicaps Given—
Entry Books at Cage.

Entries are now being made for the first indoor handicap track meet of the season which is to be held in the Gym tomorrow afternoon at 3 o'clock. The entry book for this meet is now located at the entrance of the Union living rooms, and all men who expect to enter any of the events should sign up at once so as to assist Coach Kanaly in proportioning the handicaps. This list will be closed tonight, but entries may be made with Coach Kanaly, or with the candidates for the position of second assistant manager tomorrow. Every man in the Institute is eligible for this meet, and all Freshmen who are substituting track work for Gym will be required to enter at least one event. The handicaps will be very liberal, the best men being compelled to overcome great odds, so the new men should have no fear that they will be outclassed if they go in with the spirit of winning. It is hoped that all candidates for the team will compete in their events in order that the coach may get a line on the abilities of the new track men.

BIOLOGICAL TRIP

(Continued from Page 2, Col. 2.)

to be a popular fallacy, is the idea of hereditary consumption. In only about thirty or forty cases out of the many thousands examined has the disease proven to be from this cause. There remain only two other ways in which the disease may be contracted: namely, by injection and inhalation.

The word injection may, perhaps, need a little explanation. Injection is simply the taking of the bacilli into the system through the walls of the intestines, which they reached by means of food infected with the human variety of bacillus. This is only possible if the food has been in contact with substances having the germs of consumption upon them.

The method of inhalation is by far the most common. It consists, of course, of inhaling the germs directly and thereby introducing them to the lungs, which are their final destination, no matter how introduced. It is estimated that a person having tuberculosis discharges about 1,000,000,000 bacilli in twenty-four hours. Consequently the only method for the absolute prevention of tuberculosis is isolation of all cases. This is necessary because no method is known whereby a person may be immunized against the disease, such as vaccination in the case of small pox.

In connection with his work for the relief of the disease, Dr. Floyd uses the pneumo-thorax treatment. This treatment consists simply in keeping the infected lung absolutely quiet by compressing it by the introduction of nitrogen between the lung and the walls of the chest cavity. Of course this method is not applicable in cases where both lungs are diseased, as one lung, or at least one-third of one lung, must be retained for the use of the patient in breathing. The apparatus for producing this pressure is very simple, and may be carried in a dress suit case with ease. It is very efficacious in the treatment and relief of advanced cases of the disease.

When Dr. Floyd had concluded his address he was given a rising vote of thanks and a "regular M. I. T." Mr. Henry Rueter was then requested to give a talk, and he responded in words of welcome to the society, and expressed pleasure at being able to be of service to them. Mr. E. S. Rueter and Mr. Conrad Rueter also expressed the same sentiments.

After giving the Rueter Brothers a "regular M. I. T." for their hospitality, and giving a "We Are Happy," the meeting broke up and all members expressed the opinion that the trip was the most enjoyable ever taken by the society.

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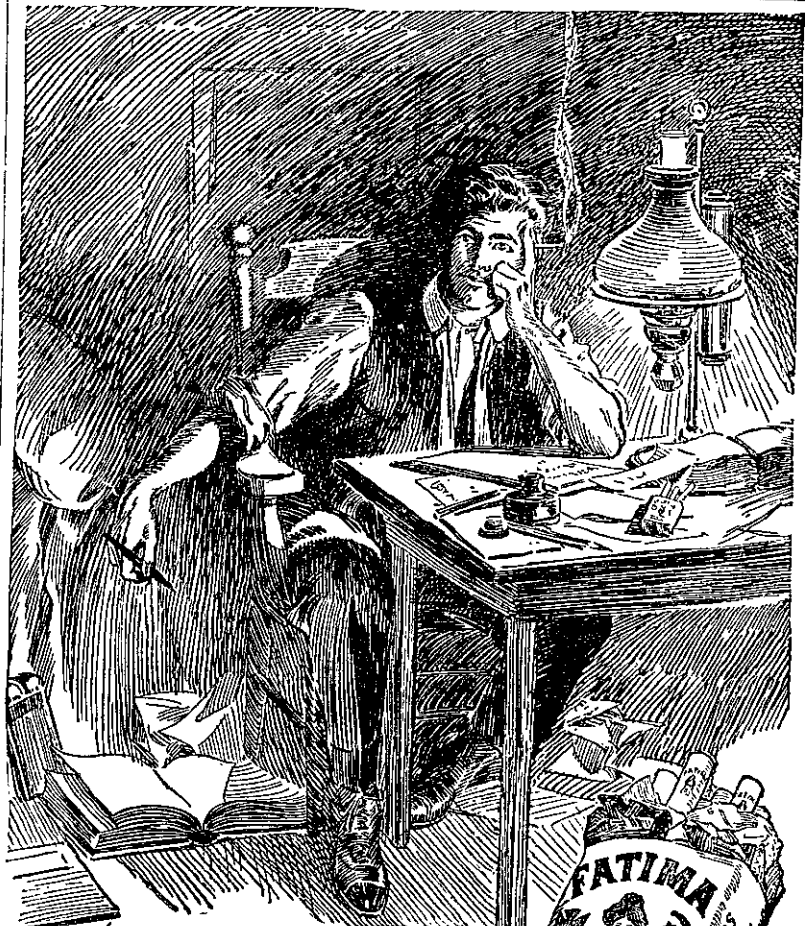
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FACULTY NOTICE.

The English Department has decided to establish next term a special section in First Year English (140) for men who are engaged in work on THE TECH. The section will be limited to twenty, and no student will be admitted who has received a mark below P in the first term. Fifteen out of the thirty hours will be allowed for work on the paper, and all articles published will, after publication, be gone over by the instructor for criticism. The amount of written work actually done must not be less than thirty-five hundred words, to be made up of copy printed by THE TECH or of special articles submitted to the instructor. The department reserves the right to refuse to count anything which in workmanship or in taste falls below a reasonable standard. Those who wish to join this section should notify the department before the close of the present year.

ARLO BATES.

LOST—At Winter Concert, a lady's small gold bar pin. Reward if returned to TECH upper office.
 (Mon-Tues)

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FACULTY NOTICE.

The exercises of the Institute will be suspended during Christmas week, December 23rd to 28th, inclusive.

A. L. MERRILL,
 Secretary.

WILL the student who was seen to pick up the roll of bills in the corridor of the Lowell Building, Tuesday, please turn the money over to the Bursar's office, as the Bursar knows to whom the money belongs.
 (tf)

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ON MONDAY, DEC. 16, at 1.30 P. M., Mr. George M. Hall, of the Industrial Commission of Edmonton, Alberta, will speak in the Union on "Openings for Engineers in the Canadian Northwest." The meeting will be held under the auspices of the T. C. A. (Signed) Richard C. Maclaurin, President.

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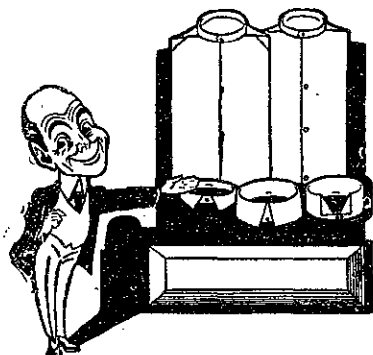
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