

THE TECH

VOL. XXXII. NO. 78

BOSTON, MASS., WEDNESDAY, JANUARY 15, 1913

PRICE TWO CENTS

B. A. A. SCHEDULE FINALLY COMPLETED

Tech vs. Dartmouth With 390 Team—780 Team Runs Dartmouth and Harvard.

The schedule of relay races for the B. A. A. meet has been arranged to the satisfaction of all concerned. Tech is to meet Dartmouth in the 390-yard relay, and is in a three-cornered race with Dartmouth and Harvard in the 780-yard relay. Last year Tech was defeated by Dartmouth, after having won the two previous years, but expects to come back (Continued to Page 3.)

COURSE IV SMOKER.

E. I. Williams, '08, Will Speak to Architects Tomorrow.

Tomorrow night, at 7 o'clock, the Architectural Society will hold one of its big smokers on the fourth floor of the Pierce Building. E. I. Williams, '08, who has taken Mr. Cox's place in the architectural department of the Institute, will give an informal talk on the construction of buildings, the materials and their use.

Mr. Williams won the Traveling Scholarship in 1909, and has won a couple of other prizes. There will be plenty of tobacco furnished so that the students can warm up and fully appreciate the talk. In order that the meeting will not be too late, it will commence promptly at 7 o'clock. After the talk there will be an informal jollification, increased by a Dutch dinner and all that goes with it. The price of the tickets is thirty-five cents. All who are interested may attend.

SENIOR PORTFOLIO.

Contract With C. W. Hearn, 729 Boylston, for Pictures.

At a meeting of the Senior Portfolio Committee, held yesterday at the Technology Club, the contract for photographing the members of this year's Senior Class was awarded to Charles Wesley Hearn.

Mr. Hearn was last year's photographer, and the success he made with that Portfolio had its influence when the committee made its choice. Many photographers were in the field, and only after a very careful discussion of all the contracts submitted was Mr. Hearn chosen.

The committee urges all Seniors to have their pictures taken as early as possible. No charge will be made for any sitting, and Mr. Hearn guarantees to have every man satisfied. Appointments for sittings are now being made at his Lenox Studio, at 729 Boylston street, nearly opposite Hotel Lenox. The proximity of the studio destroys any excuse for the busiest of Seniors not having their picture taken for the class book. It is not only the pleasure but also the duty of every Senior to have his picture in the Portfolio. If a supreme modesty prevents his enjoying the spectacle of his own face in print he should remember that he is facing the ordeal for the sake of his friends, who may derive great good from gazing thereon, so everyone over to Hearn's, 729 Boylston street, and make his own appointment now.

PROFESSOR JACKSON'S TRIP TO ENGLAND

Describes Details of Appraisal of English Telephone System.

Professor Jackson made a trip to England recently to aid in appraising the property of the telephone system operating over the United Kingdom, including England, Scotland, Ireland and Wales. He gives many interesting facts about this large transaction between the government of England and the private corporation.

This telephone company was licensed by the Postmaster General, who has charge of all mails and means of communication in the kingdom, to do service in the kingdom. This license expired December 31, 1911, but in view of the fact that the license would soon expire the government made the contract with the company that they would buy over the entire property and service on the date of the expiration. This contract excluded everything except bare value in the liquidated condition. The telephone company placed their selling price at twenty-one million pounds, or one hundred and five million dollars. The government offered to pay but twelve million pounds, however, but delayed action until an appraisal of the property could be made.

The inventory and valuation of such an extended concern, which included buildings, real estate and other telephone property, was by no means a small task, and a large amount of time and money was spent in securing a value to the whole. Great detail was necessary in the similar case of the appraisal of the New England Bell Telephone Company. At first sight there was no line on which the government and company could get together. Finally, when an agreement could not be made on labor and material costs, the government referred the case to the Railroad and Canal Commission, a very able body under government authority which handles just such affairs. Parliament arranged that the commission should act as the arbitrators.

On January 1st, 1912, the government took charge and began to pay off part to enable the company to settle with the stockholders.

Last Monday the commission placed the value of the company at about twelve million pounds. This was the value made by Professor Jackson, and was over three million under the com- (Continued to Page 3.)

FRESHMAN DRILL.

"Step! Step!" "Gua—awyed Right!" The hoarse cries from our heroes re-echo in the armory hall. Behold! Our Freshman class is drilling. "Comp—jhwany hal—yt!" Laugh not at the knock-kneed youth standing so gracefully(?) beside the nochalant bow-legged lad. "Squ—wards ri—ywut!" Such line formation! the betwitching uniforms with the enticing braid compel admiration.

Turning to the serious, though, now that everyone in the Institute has so much spare time, it would pay them to visit the cadets and watch them drill. Every Monday, Wednesday and Friday the Freshmen drill, and nearly all the cadets have their uniforms now. They are really reaching a higher degree of efficiency than many of the previous classes.

CHEMICAL SOCIETY MEETING TOMORROW

Professor W. K. Lewis to Speak to Society After Important Business Meeting.

At 7.30 o'clock, tomorrow night, the Chemical Society will hold a very important business meeting in the Union. At the monthly meetings held during the earlier part of this term it was found difficult to take up adequately the business affairs of the society. There is consequently much old business to be considered, as well as the discussion of the revision of the constitution to be discussed. It is also expected that the matter of changing dues will be gone over thoroughly, and so it is the desire of the officers that all the members of the society be present.

Professor Warren K. Lewis has been secured as speaker for the regular monthly social meeting which is to follow the business. He has chosen as his subject "The Professional Man in the Community," and as he himself was a professional man for several years before he began to teach, it is expected that he will have a lot to say that will be of particular value to chemists and chemical engineers. Professor Lewis is still in active touch with the commercial world, for he is consulting chemist for one or two big manufacturing plants.

Professor Lewis is one of the liveliest teachers at the Institute. Although barely more than thirty years old, he is already Associate Professor of Chemical Engineering. His talks are those of a man in touch with present day conditions, full of vitality. His work has already secured for him the position of Secretary of the Northeastern Section of the American Chemical Society.

NEW DRILL SYSTEM.

Commenced Last Week by Major Cole—Efficiency Prize.

Beginning last week, a new system has been inaugurated in Freshman drill by Major Cole, and will continue the remainder of the year. According to this system a certain number of demerits will be given to each company for each offence, whether made by private, captain or as a whole. This includes the wearing of proper uniforms, polished black shoes, white gloves, clean collar of the right height, lateness and absence. For each offence discovered by the captain at the regular inspection a number of demerits consistent with the importance of the offence will be marked up against the company. Colonel Taft will also inspect the companies any time he desires to do so, and any faults in the uniforms which were not reported by the captain, and which he discovers, will be marked against the company, but with many more demerits than if the case had been reported by its captain. An account will also be taken of the mistakes made in drill, and each mistake of the captain, private, squad and platoon has its certain number of demerits, which will be marked against the entire company. This record will be kept for seven hours of drill, and the company having the least number of demerits will be excused from the eighth drill of the month.

Company E is the best to date in drilling, and seems to have the edge on all of the other companies.

JUNIORS TO PLAY CUSHING TONIGHT

Weakened by Inability of Williams to Play—Opponents Have Strong Team.

Owing to a mistake it was announced that the Junior basketball team was scheduled to play the Cushing Academy team on Monday night, and later that the game had been postponed. In fact the game was originally scheduled for this evening, and will be played then.

The Juniors will be without the services of Williams, one of the best performers on the team, but nevertheless expect to make a good showing. The Cushing Academy team is a very strong one, and good playing will be required to win the victory. The Juniors, however, have been playing a good game, and although beaten recently by the New Hampshire State College team, are a very fast, consistent aggregation. They will undoubtedly be weakened somewhat by the absence of Williams, but nevertheless can be relied on to show their usual speed and put up a game fight.

YALE HOCKEY GAME.

The manager of the hockey team, has recently written to see if some arrangement cannot be made with Yale for playing the game which was to have been played at New Haven last Friday. The scheduled game between Tech and Yale was necessarily postponed on account of the weather. Yale has an outdoor rink and is dependent upon natural ice for her home games. The continued warm weather of last week offered no ice for skating, so postponement was necessary. Manager Hurlbutt is in hopes that a favorable reply will be received from Yale and that a definite date will soon be fixed for playing the game.

H. O. HOFFMAN HONORED.

Professor H. O. Hoffman has been appointed Metallurgical Examiner for the United States Civil Service Commission. This position requires a man of wide metallurgical knowledge and experience whose judgment can be taken as final in deciding on the merits of candidates for metallurgical positions in the government service. The commission has thus paid Professor Hoffman a high personal compliment, and at the same time honored the Institute.

WEATHER.

Forecast for Boston and vicinity: Fair Wednesday; somewhat warmer Wednesday; moderate east to south-east winds.

CALENDAR.

Wednesday, January 15, 1913.

1.30—1915 Football Picture—Notman's.

Thursday, January 16, 1913.

Wrestling Team—Salem Y. M. C. A. 7.30—Chemical Society Meeting—Union.

4.15—Wireless Society—11 Eng. B.

Friday, January 17, 1913.

1.00—Business Department Meeting—THE TECH.

5.15—1915 Basketball Practice—Gym.

THE TECH

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WEDESDAY, JANUARY 14, 1913

We should like to ask all Technology men if they are aware of the fact that the student body is not supporting athletics at the Institute even to the extent of meeting the expense of the lesser needs in any branch of athletics?

The few lines which we reprint from the issue of January 9 expresses very well just the point in question: "Owing to the excessive crowd of eight paid admissions to the inter-class games last Friday the Athletic Association will be forced to build new bleachers for the next meet. It is said that the former bleachers were not able to stand the strain of bearing so much weight."

This is surely a wrong state of affairs, and one which needs the immediate attention of every Technology man, whether he cares for athletics or not. The fact that only eight men attended this track meet is not only an insult to the participants who are giving their time and energy to building up the good name of the Institute activities, but it is an insult to all Technology.

It is not strange that visiting teams return to their own colleges with a feeling that Technology is a very cold and practical place with little time for humanity and pleasure, and we should realize that it is through the visiting teams that our reputation is largely built up among these colleges.

Because we are students and have that reputation generally does not in no way preclude that fact that we can support the men who are doing their best to support and represent us. With the advent of another new leaf can we not make it out a more complete one than any other has ever been, and prove not only to ourselves, but to any others with whom we come in contact, that the student and real college man are an excellent combination?

AMUSING RACE IN GYM.

Monday afternoon Coach Kanaly gave a little entertainment for the track candidates in the form of a relay race between teams picked from the Freshman Gym class. An enormous crowd gathered to witness the race, and cheered the performers to the echo. The participants themselves seemed to enjoy the race as much as the spectators. Each man ran two laps, and although several of the men went off before they were touched, and the rest cut the corners, they showed good spirit and got some fine exercise. Some of the stars who will later be looked up by Coach Kanaly and Captain Germain are Krachmalnikoff, the witty Irishman; Neigs, the silent Swede, and Duggan, the red-headed speed-boy.

WRESTLING TEAM TO MEET SALEM Y. M. C. A.

Men in Excellent Condition—
Events Likely to be Closely Contested.

On Thursday evening of this week the wrestling team is to have a match with Salem Y. M. C. A. team, considered one of the best teams in this section of the State. The men have all been showing up well lately and are in excellent physical condition, so that the meet is expected to be closely contested.

Sayer, 1916, an Andover man, is entered in the 115-pound class, and although this is his first meet here, he is expected to show up well, judging from what he has done in practice. Means, also a new man this year, is entered in the 125-pound class. He was scheduled for the East Weymouth meet, recently held, but was laid up at the time. J. G. Kelley, who won his match at East Weymouth, is entered in the 135-pound class. Mr. Kelley is probably the best man on the team, as he has had considerable experience before coming here. Smythe-Martin, in the 145-pound class, will probably meet his old opponent, Sullivan, whom he defeated last year in a closely contested match. It is also worthy of note that Martin was the only man who won at Salem last year. Alexander, 145, and Crowell, heavyweight, are also expected to show up well.

The team is scheduled for a meet with Marblehead on Saturday of this week. A meet was also expected with Brown University, but owing to the fact that all of the Brown men are beginners, the coach has decided not to allow them to go out until next year.

CORRECTION.

In the issue of THE TECH of January 14, the article reading "Political Economy Examination Omitted," should read International Law and Current Public Problems examinations omitted. The examinations in Political Economy will be given according to schedule.

TECHNIQUE BUSY.

Grinds, Drawings and Material Coming in Fast.

The Technique office is a very busy place these days, as there is an immense amount of material to be put into shape in the next few weeks. In order that there may be as few omissions as possible, the board requests that the Secretaries of all the Professional Societies, Clubs and Fraternities send in a complete list of all members in good standing before the twentieth of January. This is the date that the material must be ready for the printer. These lists may be left either at the Technique office or at the Cage.

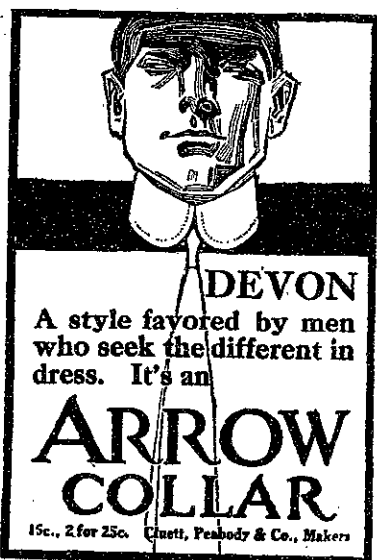
Quite a number of grinds have been received during the last few days in response to the request which was published in THE TECH, but many more are desired, so that, with a large number to be chosen from, this department may be kept up to the standard of previous years.

OTHER COLLEGES.

The intercollegiate rifle meet will take place next week in New York.

An unusually small number of candidates has held back Freshman crew practice at Columbia.

The police were summoned at a club dance of Wisconsin University to help enforce the ban on the "turkey trot" and "tango."



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JACKSON'S TRIP.

(Continued from Page 1.)

pany's lowest estimate. This property, valued at so many millions, is one of the largest propositions ever put up to arbitration, and is also between a government and a private concern. The inventory alone cost about a million and a half dollars.

Many well known people were involved in the settlement, among them being the Attorney-General, the Postmaster-General and several consulting engineers. One of the most prominent was Mr. F. C. Snell, of a well known English firm, who made the appraisal. Professor Jackson directed the inventory. On the telephone company's side, Mr. Hammond Hayes, '85, a Tech man, was employed.

On his return to this country Professor Jackson made a trip to Buffalo to look into the power plants run by the water flow from Niagara Falls. This problem is very important to the welfare of Buffalo. There is enough water to supply the present power plants, but if the demands make it necessary to further draw on this supply, and in this way divert so much more water from the falls, the beauty and picturesque features of Niagara will be marred. Under present Canadian and United States laws the power that can be generated is fifty million horse-power. It looks now as though Buffalo must further draw on this resource or go back to the use of steam power for the industries.

B. A. A. MEET.

(Continued from Page 1.)

strong in the coming event. The Dartmouth team is a well balanced combination, composed of Dolan, F. Marceau, Harmon, and Granger, a colored man. This team looks like one of the best collection of half-milers in this part of the country. Dolan is a runner of several years' experience and the winner of many hard, fast races. At present he is the New England Intercollegiate half-mile champion. Marceau is a brother of Gene Marceau, of last year's Tech team, and is a runner of beautiful action and great strength. A good many relay races that have looked like wins for other teams have been completely broken up by Marceau's brilliant finishes. Harmon is Dartmouth's star miler, having repeatedly performed under 4.26, and although the half-mile is a little under his distance, he can easily do it in less than two minutes. Granger is a fast man, who is daily forcing Dolan to his utmost.

The Harvard team has three veterans in Koch, Lawless and Warren. Koch is a powerful runner and a great fighter. He is good for 1.57. Lawless is Harvard's star miler and capable of running under two minutes. Warren has been on the team for three years and has always proved a stiff proposition for his opponent. It is not known who will fill the fourth place on the team, although they have several men who hover around two minutes.

Tech's team has not been picked as yet. Of last year's team, Byland and Germain are available, with a possibility of Palmer running. Among the new men showing the best promises are Benson, a Freshman, Charlie Thompson of last year's quarter mile team, and C. T. Guething, another Freshman. It is hard to predict what those untried men will do when put to the test, who ran third on last year's team, has started training and should be the same old star he has been during the past three years. Germain will probably be matched against his old rival, Joe Dolan. In the indoor games last year Dolan beat Germain, but since then the latter has defeated the Dartmouth star three successive times. The whole race looks like a hot contest at all times with three teams in the running. Our quarter-mile team will be pitted against Dart-

(Continued on Page 4.)

ENTRANCE EXAMS.

A meeting of the College Entrance Examination Board was held recently, at which it was voted to materially change the character of entrance to our largest universities in the near future. The following paper was submitted as an example of how the questions are to be treated next June.

Entrance Examination Questions: No loose papers are to be used during this period, and all books must be left with the instructor in charge.

1. When was baseball discovered? By whom was it discovered?
2. Name ten prominent infielders of the present time.
3. Give the methods of throwing a spit ball; an out curve.
4. Draw a baseball diamond, showing the ten positions.
5. What is the best position for the hands in pole vaulting?
6. Draw a freehand sketch of a football field, showing positions of the teams at the kickoff.
7. Name the eleven positions on the team.
8. Outline a situation where the forward pass could be used advantageously, tracing the path of the ball as thrown.
9. What is the best method of putting an umpire out of commission?
10. Who discovered America? When? What part of speech is the word "man?"—"Wisconsin Cardinal."

EXCHANGE NOTES.

When President Hightower of the Mississippi Agricultural and Mechanical Institute attempted to prohibit men students from visiting young women students in the class rooms out of study hours, the students went out on a strike, and Governor Brewer has declared he will call out the militia, if necessary, to protect loyal students.

Ballots for Vice-President of the Electrical Engineering Society may be obtained now at the Cage. There are two candidates, H. E. Randall, Jr., and J. A. Tennant, and the ballots must be in by January 22, 1913. Nominations for the secretary of the society may also be left at the Cage.

MEETING OF MASONS.

Constitution of Technology Masonic Club Adopted.

Last evening, shortly after 6 o'clock, a good representation of the Masons at the Institute sat down in the Union to enjoy the dinner prepared by Steward Colton. After the dinner the men adjourned to the smaller room in the Union where the meeting was called to order by the president, G. H. Haines.

The most important business of the evening was the reading of the report of the committee appointed to draw up a constitution. This committee consisted of Professor Vogel, of the Faculty, A. B. English and L. L. Custer. After much careful consideration and discussion the articles of the constitution proposed by the committee were adopted.

The association will be called "The Technology Masonic Club," and its purposes as set forth by its new constitution is to promote mutual acquaintance and sociability among its members. Any Mason connected with the Institute in any manner whatsoever is eligible to membership in the club, and all are urged to join the association. Those men who intend to become members are requested to hand in their names to G. H. Haines, Room 10, Eng. A. Among the men present last night were Professor Vogel, Bursar Rand and several instructors.

Northwestern University's annual tag day recently netted over two hundred dollars. The proceeds are given to the University Settlement.

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SAT., 8 to 11.30. AIDA. Amslen, Leveroni, Zeni, Polese, Samperi, Mardones. Conductor, Moranzoni.

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(Continued from Page 3, mouth's quartet, and the usual excitement is looked forward to. Dartmouth's team is composed of nearly all new men, and not much is known about what they can do. The backbone of our team is T. H. Guething, who will be backed up by three other men, all of whom will be sterling indoor performers. The men who loom up strongest for these places are Bolton, of last year's team, Munch and Barry. Munch is a very fast indoor runner, and Barry is a strong man, who has been steadily improving since his coming to the Institute a year and a half ago.

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1915 FOOTBALL Team Picture at Notman's on Wednesday, January 15, at 1.30.

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