

THE TECH

VOL. XXXI. NO. 116

BOSTON, MASS., WEDNESDAY, MARCH 6, 1912

PRICE TWO CENTS

ELECTRICALS HOLD AFTERNOON MEETING

Mr. H. M. Edmunds of London Tells of Electrification of Railroads.

Yesterday afternoon Mr. H. M. Edmunds, '05, addressed the Electrical Engineering Society on the "Electrification of the London, Brighton and South Coast Railroad." The talk was illustrated by blackboard sketches and lantern slides.

Mr. Edmunds gave a detailed explanation of the new Winter-Eichberg single phase motor, and of the new trolley construction. He told how the difficulties of ground currents and low bridges were overcome, and how a resonant shunt had to be introduced to protect telephone circuits.

A number of safeguards had to be installed for the protection of passengers and employees from the electric current. One was the enclosing of all high tension lines in the cabins of the engines so that they could not be reached unless the trolley was off the line. Another safety device was one which protected the repair man by opening a switch which could not be closed until the man was out of danger.

Mr. Edmunds concluded by outlining some of the legal regulations in England and Germany with reference to electrical construction which are different from those in this country.

CATHOLIC MEETING.

The Catholic Club will meet this evening at 6 o'clock in the Union. The members will be addressed by Judge Michael J. Murray.

Judge Murray is on the Municipal Court Circuit and has been a well known figure in the political issues of this State. He is a good speaker and the club feels that by securing him they have become certain of a large attendance. Last year the club failed in securing his services as a speaker.

The dance committee, which represents an important branch of the club, both from a financial and social point of view, will submit a report which will be of interest to all members.

ELECTRICALS' TRIP.

Nine members of the Electrical Engineering Society are going to the yards of the Fore River Shipbuilding Company this afternoon to see how materials for ships are prepared. The party will start from the E. E. Library at 1.45 o'clock, so that they may take the 2.15 train from the South Station for Quincy. As there is room for about twenty more men in the party there is a chance for some of those who have not signed for the trip to go with the Electricals.

C. E. MEETING TODAY.

This afternoon, at 4.05 o'clock, in 11 Engineering B, Mr. Frederick H. Fay, '93, will speak on "Some Legal Phases of Engineering."

One of the tables in the Union Dining Room vibrates in unison with the Curtis turbine.

SHOW PRINCIPALS PICKED YESTERDAY

Many Experienced Men Secure Leading Parts in the Tech Show.

Yesterday afternoon Coach Sanger made the final selection of the principals for the cast of "Castles in Spain." The Show brought out about twenty candidates for each position, and the choice was correspondingly difficult. The presence of so many experienced men ought to help the Show surpass any record for brilliancy, greater than any that it has yet attained.

A list of the men chosen, with the number of years that each has been connected with the Show, follows:

Lolita—F. H. Smyth, second year with Show.

Betty—A. D. Hiller, second year with Show.

Floretta—J. Isaacs, second year with Show.

Phyllis—G. B. Ott, first year with Show.

Mrs. Phipps—E. G. Brown, fourth year with Show.

Phipps—K. W. Faunce, third year with Show.

Rand—J. M. Hastings, second year with Show.

Jones—R. N. Doble, third year with Show.

Smith—J. S. Selfridge, second year with Show.

Miguel—L. De Florez, second year with Show.

Don Robledo—D. P. Spencer, first year with Show.

Rodrigo—G. A. Swenson, first year with Show.

Don Juan—K. C. Robinson, first year with Show.

Gaspar—T. V. Scudder, second year with Show.

Captain of the Guard—R. D. Salisbury, second year with Show.

COLOR PHOTOGRAPHY.

Prof. Derr to Lecture Thursday Before Society of Arts.

On Thursday evening, March 7, at 8 o'clock, the Society of Arts will hold in Huntington Hall what will probably be the last lecture of its present successful season. Professor Derr of the Physics department of the Institute will deliver an illustrated lecture on "Color Photography."

In this lecture Professor Derr will trace the development of photography in natural colors from the early inventions of Ives, MacDonough and others down to the latest screen-plate methods. This will include a description of the Lumiere process and also the recent Kinemacolor process of projecting pictures in natural colors. The merits and limitations of the different processes will be shown and numerous illustrations in color will be thrown on the screen, chiefly from the Institute's superb collection of natural color slides. The details in the producing of pictures in natural colors are the most remarkable and delicate in modern photography, and a public presentation of them will be a rare opportunity for those interested in the art. His lecture will be open to the public.

ARCHITECTURE FROM BUSINESS STANDPOINT

Mr. C. H. Blackall to Address the Architectural Society This Evening.

The meeting of the Architectural Society, scheduled for Wednesday evening, March 6, will be of special interest. It will be held in 42 Pierce, and in addition to the regular smoker, the meeting is to be addressed by one of Boston's most noted architects, Mr. C. H. Blackall.

The subject of Mr. Blackall's talk is "Architecture in Business," and since a talk on the same subject before the Economic Society of Harvard proved a decided success, all architects will probably find that their time has been profitably spent if they attend this meeting. The speech is to deal with the economic side of architecture rather than the more usual side, the artistic.

Mr. Blackall has expended most of his energies in the designing of theatres, and the Colonial Theatre was built by him. Besides this building near home he has erected many other public buildings, from which he has gained much valuable experience. He, no doubt, will speak of some of the interesting problems which he has had to solve.

MUSICAL CLUBS.

Another Concert at Melrose This Evening.

The Musical clubs are to hold another concert at Melrose this evening, this one to be followed by a dance. The affair is under the auspices of the club, composed of about two hundred and fifty young people, so there is no reason why it should not be an unqualified success. The fellows certainly ought not to have much trouble in filling their dance orders as there is to be a committee to take care of the necessary introductions and see that everybody is properly provided for. The members will leave the North Station, Track 8, at five minutes past seven, and as usual, will be provided with a special car.

WIRELESS SOCIETY.

Today, at 1.30 o'clock, an important meeting of the Wireless Society will be held in the wireless room of the society in the corner of the Electrical Lab., in Lowell. It is requested that every member of the society be present at the meeting as a matter of great importance to all of the members is to be decided on.

SENIOR PORTFOLIO.

At a meeting of the Senior Portfolio Committee at the Technology Club this afternoon it was decided to award the contract for printing to the University Press. The pictures are practically done and are now at the engraver's. The committee hopes that all proofs may be returned to the photographer as soon as possible.

The books will be modeled after those of 1900, with some important changes. They will be out about May 10.

PLANS UNDER WAY TO FORM GOLF TEAM

Meeting Will Be Held Friday to Elect Officers and Start Work.

The first meeting of the new golf team will be held in Rogers 21, Friday noon, at 1 o'clock. Many of the professors who have been interviewed in regard to the formation of the club are greatly in favor of it and will give all the help that they can. It will be necessary at the meeting Friday to elect the officers so that arrangements for links can be completed. It is necessary for everyone that is interested to come to this meeting and have a voice in the send-off of the new club.

Arrangements are being made to secure the use of the links at Brae Burn and Allston, and if enough men show willingness to try for the team one of these places will be secured.

RE-ENFORCED CONCRETE.

Subject of Talk By Mr. Hogue To Architectural Engineers.

On Friday evening, March 8, at 8 o'clock, the Architectural Engineering Society will hold a smoker in 42 Pierce, at which Mr. Hogue, '98, will speak on "Re-enforced Concrete." Tickets will be required for attendance, which may be obtained from the officers of the society.

The subject is one of especial interest just at present as concrete is becoming one of the most important materials in almost every branch of construction work. Mr. Hogue was a graduate of first class to take the engineering option of Course 4, and has been following that line of work ever since. In late years he has been specializing on re-enforced concrete construction, and is now connected with the New England Concrete Construction Company.

The last smoker was attended by quite a number of men, and it is hoped that a similar number will attend this time.

CHEMISTRY MEETING.

Mr. B. Dyer of the Publicity Division of the National Carbon Company of Cleveland, Ohio, will give a lecture on Thursday, March 7th, at 4 P. M., in Room 23, Walker, upon the various products manufactured by this company. Numerous samples are to be shown and the speaker will gladly answer any questions concerning their uses and properties. Students of Courses V and X are cordially invited to attend.

CALENDAR.

In Charge of S. H. Taylor, 1914.

Wednesday, March 6.

6.00—Catholic Club Meeting—Union.
7.05—Music Club Dance at Melrose—North Station.

7.45—Architectural Society—42 Pierce.

E. E. Society Trip to Fore River.

Thursday, March 7.

1.30—T. C. A. Meeting—Union.

8.00—Lowell Lecture—Napoleon.

CATHOLIC CLUB - UNION 6:00 - TO - NIGHT

THE TECH

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WEDNESDAY, MARCH 6, 1912

ADVERTISING.

How many of us patronize the business firms which advertise in THE TECH? The main asset of any newspaper is, of course, its advertising, and if it were not for the assistance of these firms it would be a moral impossibility for us to publish THE TECH at all.

It is up to us then if we are to continue having a daily paper to help it all we can by dealing with the houses which assist it.

As an example of the way in which other colleges stand by their paper, we would like to cite an instance which occurred at a school in the Middle West. The college was situated in a small town which possessed only one moving picture show; the proprietor of this show would not advertise in the college daily.

A short communication to this effect was run one day in the paper, and immediately the fellows boycotted the show until the proprietor came out with a full page advertisement.

This would be an impossible state of affairs at a school like Technology, which is situated in the heart of a city. The point, however, which we are striving to emphasize by this story is that while these people are giving us their help it's up to us to help them in our turn with trade.

RIFLE TEAM WINS.

Defeats Championship Men By Score of 177 to 155.

Saturday afternoon the Technology indoor rifle team defeated the Company F, Fifth Regiment team, at Waltham, with a lead of 22 points. The shooting was at seventy-five feet on the regular one-inch bull. Haslam was high man for Technology with a score of 41, while Sergeant Cunningham, high man for Co. F, made only 33. Sergeant Cunningham is a distinguished marksman, and two other men on the team are marksmen. This team won the championship last year. The Technology shooting was not up to its usual high standard however.

"Phil" Dalrymple, captain of the track team and "some" high jumper, has been mentioned in the preliminary list of New Englanders for the Olympic team. Congratulations, Phil, and here's hoping Tech has a man go abroad with the (winning) team.

THE BLESSING AND THE CURSE OF HABIT

Dr. James A. Francis Will Be the Speaker at Christian Association Meeting.

This week the speaker, Dr. James A. Francis, at the Thursday noon meeting of the Christian Association, is a man who has not been in Boston very long, but who has already earned a reputation as one of the ablest and most popular preachers in the State. Dr. Francis' home has always been in Nova Scotia.

His choice of subject is one that will be recognized as one often discussed by everyone, "The Blessing and Curse of Habit."

REGULAR MEETING OF WIRELESS CLUB

H. B. Richmond Gave Interesting Talk On Receiving Outfits.

Last Friday afternoon the Wireless Club held its first meeting of the second term in 11 Eng. B. The following men were elected to the membership in the society: A. Salgado, 1912; W. C. Lovell, 1913; G. S. Stevens, 1914, and J. S. Howkins.

After the meeting had been called to order and the minutes of the last meeting read and accepted, H. A. Affel introduced Mr. Richmond, the speaker of the afternoon. He gave an excellent description of the different types of receiving outfits which are in most general use at the present time.

He started his talk with a description of the simplest apparatus which can be used to receive and pointed out the discrepancies in the efficiency of such an outfit. Then he described the improvements which have been introduced to help remedy these defects. The circuits using a loose-coupled tuning coil are probably the most efficient.

The system which has been in use on the majority of our warships and was arranged by Mr. Pickard, a prominent wireless operator, is perhaps (Continued to Page 3.)

SHIPYARD VISITED.

Electricals Made Trip Monday to Fore River Works.

Sixteen members of the Electrical Engineering Society made a trip to the Fore River Shipbuilding Company's yard Monday noon. The party started from the E. E. Library at 1.45, and reached the plant at 3.15.

The guide who conducted the party showed them through the forging department first. Here they saw a rudder post which weighed about one hundred tons being forged by great steam and hydraulic forges. The men next visited the power plant, where they saw the pump that supplies the hydraulic riveters and hammers. There was a great variety of generators there, for besides numerous small direct-connected engines there was a belt-driven direct current generator and a high-speed 500 KW A. C. turbine-generator.

The machine shop, where the assembling and erecting of turbines is done, was next visited by the party. They viewed the room from an upper gallery, and then went down on the floor. At one end of the room the heavy metal-turning is done, while at the other end the parts of the turbines are assembled and tested. In this room three Niles traveling cranes of 20, 30 and 50 tons capacity do all the shifting of heavy parts.

In the wood-shop the men saw how the interior fittings for the vessels are made. In this building they visited the pattern shop, where the many patterns required for the castings of turbines are designed.

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PERSONALITY OF GREAT CORSICAN AS WARRIOR

Dr. Rose Gives His Third Talk On the Character of Bonaparte.

In his lecture Monday afternoon on "The Personality of Napoleon," Dr. Rose discussed Bonaparte as a warrior. He said that the qualities which made Napoleon great were his combative instinct, his clearness of insight, his tenacity of purpose, and his desire to know every detail of his profession. His presence on the field was estimated by one of his great enemies to be worth forty thousand men, for his self-confidence, even in defeat, was a magnificent inspiration to his soldiers.

In speaking of the features of his campaigns Dr. Rose said that his strategy was to advance as quickly and with as many men as possible along the most favorable route. His usual tactics were to mass his troops against one of the enemy's weak points.

In his first campaign, that in Italy, Napoleon defeated a superior force of Austrians and Sardinians by striking its two parts before they could join. In the finest of all his campaigns, before Ulm, in 1805, Napoleon captured a force of Austrians by falling suddenly upon their rear and surrounding them.

From the standpoint of tactics, the battle of Austerlitz was Bonaparte's best battle. Here he allowed the enemy to weaken its center in turning his right wing, and then broke that centre by a concentrated attack, cutting his opponents' army in two.

Napoleon was finally defeated because his brain became less capable and at the same time he became too rash.

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WIRELESS MEETING.

(Continued from Page 2.)

one of the best types available at the present time. Mr. Richmond gave a detailed description of the apparatus used in this outfit and how it was worked.

Marconi, the man who made wireless famous, has developed a system which he thinks will do away with the constant interference of messages when an operator is trying to get one special one. The only objection to his "hook up" is that it does not permit of very accurate tuning.

Another receiving set has been devised by Fessenden, the commercial wireless backer, which is a little better than Marconi's in the way of obviating interference. He uses two sets of coils, one of which is tuned carefully for the message, and the other is tuned a little bit off, and so when an interfering message comes in it is split up and therefore does not bother the operator.

A general discussion of matters relating to the society followed the talk. The treasurer's report was read and accepted. Further preparations were made for the instruction of those in the society who wish to become more proficient in the use of the wireless instruments. The committee which has charge of providing talks at the meetings has secured a prominent wireless operator in Boston to address the society at the next meeting.

Did you see the crack bike rider who went by Rogers just after the Convocation?

There was a good sized crowd in the Union yesterday noon to hear the Victrola.

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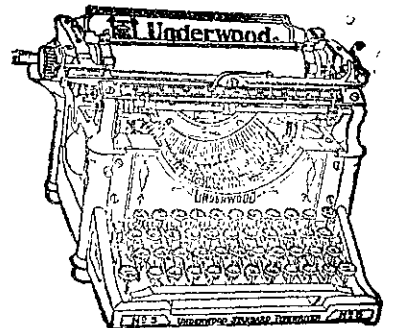
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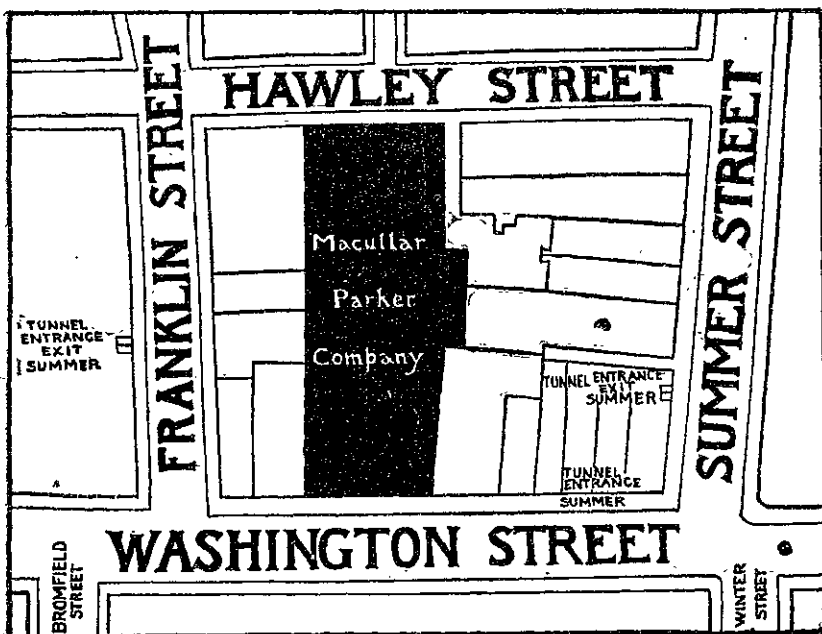
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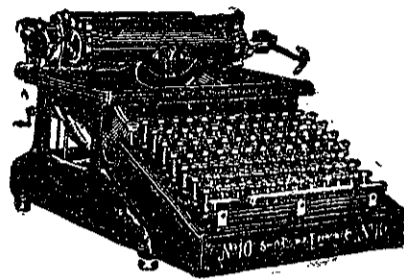
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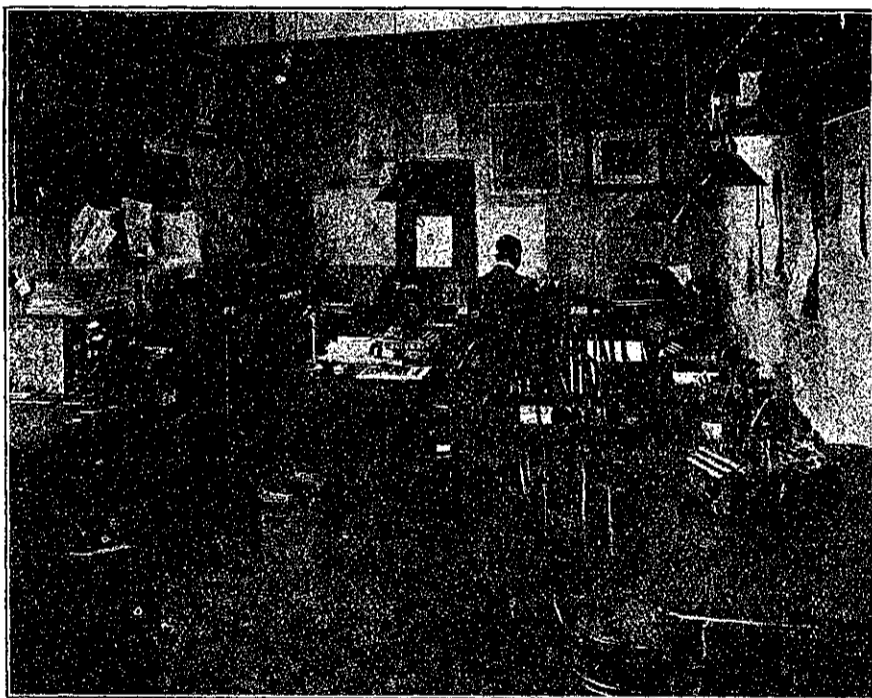
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