

THE TECH

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PRICE ONE CENT

NEW MUSICAL DIRECTOR IN CHARGE THIS YEAR

Albert M. Kanrick Is Coaching Principals And Chorus Of Show

Mr. Albert M. Kanrick, a man very widely known in the musical circles of New England, is teaching the chorus and principals of the Show how to sing. Although his headquarters were originally in Connecticut, where he needs no introduction, he has done a great deal in Massachusetts, and is now living in Boston, where he teaches the violin, together with musical theory and composition. He has an enviable reputation for such work and his arrangements of music for orchestras are sought for throughout the state. He formerly played in one of the well-known local orchestras for two years, when he was given the enviable position of conductor of the Boston municipal orchestra in which position he had charge of the training of soloists, etc.

But these successes are not by any means Mr. Kanrick's only claims to fame; his experience with amateurs in this vicinity is unique and invaluable to the Tech Show. He is well known to all Harvardites as the man who has made successes of the musical parts in their Hasty Pudding, Pi Eta, and Delta Upsilon shows for the past fifteen years. The Knights of Columbus have employed him for some time to assist them in the production of the unusual performances given by the respective lodges. He also staged the First Corps of Cadets Shows until they gave up amateur theatricals.

E. H. S. CLUB DINNER

Organization Votes To Uphold Institute Committee Rulings

Last evening the E. H. S. Club held a very enthusiastic meeting in the writing-room of the Union. About twenty men were present and following a pleasant dinner and several speeches, an active business meeting was held and extensive plans were made for a more energetic organization.

At the close of the dinner Mr. Lang, the president, explained that Mr. Thomas, Mr. Lebon, and Mr. Tower, all teachers at the High School, had been invited, but were unable to be present on account of illness. Mr. Barrows, also from the High School, was introduced, and after a few remarks of a humorous nature, he proposed a closer union between the men here at the Institute, and would-be Tech men at High School.

Mr. Humphreys' talk was largely reminiscent, but at the close, he stated his approval of Mr. Barrows' suggestion.

The club then took the matter under serious consideration, and it rapidly assumed definite form. The men were all in favor of some more definite association between the High School and the club here, and after considerable debate, it was agreed that the President should appoint a committee of three men, who should visit the High School for the purpose of organizing a club of the members of the two upper classes who intend to come to the Institute. Mr. Lang appointed Mr. Edward Stuart 1910, Mr. F. H. Busby 1912, and Mr. A. W. Kenney 1913.

It was further provided that delegates from this club should attend the dinner.

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LARGE ATTENDANCE AT C. E. SOCIETY MEETING

Interesting Lecture On Hydraulic Power Plants Illustrated By Stereopticon

The Civil Engineering society held a very successful meeting yesterday afternoon, there being over one hundred and fifty members present, as well as a large number of the faculty. After some preliminary business, President Waller introduced the speaker of the afternoon, Mr. H. L. Coburn '98, secretary and chief engineer of the Ambursen Hydraulic Construction Co.

Mr. Coburn began by telling in a general way of the steps to be taken when investigating a proposed dam and power plant site. The most important matter, of course, is the available water supply, and an extensive study of the amount of water flowing at all seasons of the year must be made. Inattention to this has caused the failure of a large number of hydraulic power plants. Next in importance is the site, with reference to length of dam required, and the foundation available; and also the provision of a good place for the power house.

In illustration of these and various other points, the rest of the lecture consisted of the discussion of a large number of lantern slides of various dams and power houses built by the Ambursen company. The first of these were of a proposed site in Oregon, where the power is to be developed from a river flowing between precipitous banks of hard volcanic rock. After a careful study of three different sites, the position finally decided upon involved the greatest length of dam but gained a great deal in cheapness of construction of the power house and penstocks.

Another case, that of a proposed dam across the Savannah River in Georgia, illustrated some of the difficulties which have to be overcome to meet some of the requirements of the War Department. A ship canal with three locks had to be provided at great expense to allow boats to pass by the dam. This dam also was unique in the fact that it had a passage longitudinally, large enough for two vehicles to pass each other, thereby avoiding the necessity of a bridge across the river.

Mr. Coburn took occasion at this time to speak of the so-called Water Power trust, which has been written up in some of the recent magazines. Mr. Coburn said that in his opinion there is no such trust in existence, and that it is improbable that there ever will be one. The stock in power plants owned by the various electric companies consists merely of that taken in part payment for equipment supplied.

One of the most interesting of the power plants shown was that now under construction on the Big Horn river in Wyoming. The river being in a narrow canyon, there is no available site for the power house on either bank. In this case all the machinery is placed inside of the dam itself, with the draft tubes leading directly from the face of the dam to the turbines, thereby eliminating a large amount of losses in head due to friction.

Mr. Coburn concluded his talk with a description of the dam at Ellsworth, Maine, which has recently been completed, and is one of the largest built by the Ambursen company in New England. An invitation was extended by Mr. Coburn to any member of the society, interested in this phase of engineering work, to call at the office of the company, where he can obtain a varied amount of information and literature on the subject.

IMPORTANT MEASURES CONSIDERED IN DETAIL

Institute Committee Discusses Honor Society And Finance Commission

Three very important measures were put forward and adopted by the Institute Committee at its regular meeting yesterday evening. These were concerning the honor society, the finance scheme, and the frequency of meetings of the committee.

The chairman, R. M. Goodwin, Jr., 1910, appointed the following to investigate fully the question of an honor society before the next meeting of the committee: Frank Bell 1910, Bergen Reynolds 1910 and the chairman, ex-officio. The suggestion of an honor society was received very favorably by the senior class four years ago, but the matter was dropped with seemingly no other reason than negligence on the part of someone.

Inasmuch as the monthly meetings have proven too infrequent for the proper handling of the business of the Committee, the Constitution was changed so as to make the meetings come fortnightly on Wednesdays throughout the college year.

Now that the Committee is getting to have more direct authority, many of its members were not so willing to go on record as supporting the scheme for a Finance Committee any more than as a suggestion on account of the dissatisfaction over it. To cover the matter the following provision was made: A meet-

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TALK BY MR. WHITAKER

Organization Of Manufacture Subject Of First Lecture

Before an audience of 150 men, Mr. M. C. Whitaker, the General Superintendent of the Welsbach Company of Gloucester yesterday delivered the first of his series of three lectures on "Organization of Chemical Manufacture." Mr. Whitaker explained the extreme difficulty of getting ideas executed, and the necessity of perfect organization, in chemical as well as in all manufacturing lines, to make the proper execution of plans possible. He compared the organization of a company to the power plant of a factory, as all the machinery is valueless without the power plant, so also are the employees valueless without the organization.

The general executive management of the Welsbach Company, Mr. Whitaker divides into three departments: the manufacturing department, the sales department, and the auditing department. The sales department, while perhaps the least interesting to the chemists and engineers, is nevertheless absolutely essential. It is not generally recognized that this department offers a large field for college graduates, but it is a fact that well-trained men are better able to instruct the buyer as to the merits of goods, than are the old-time salesmen with their bags of jokes.

"I know of no manufacturing business which cannot make good use of a chemical engineer," said Mr. Whitaker in beginning the discussion of the manufacturing department. He explained the function of the chemist in devising new processes and in having them carried through correctly in the factory. It is not the chemist's place to stay in the

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"TWO KINDS OF TOWERS" TYPICAL OF REAL POWER

Dr. Gallaudet Of Central Church Gives Impressive Talk At T. C. A. Dinner

Last night the T. C. A. held its usual weekly dinner and talk. Mr. Mason said a few words concerning the next Wednesday evening's talk. He asked every one to be present and to bring along a friend. The meeting is to be for the purpose of discussing the purposes and ideals of the association, to receive new members and to adopt a constitution.

After this, Mr. Mason introduced as the speaker of the evening, Dr. H. D. Gallaudet, the associate pastor of the Central Congregational church. Dr. Gallaudet took for his subject, "Two Kinds of Towers." He began by stating that he had been asked to talk on a subject relating to architecture but that he felt he was not expert enough to do this and so had chosen to speak of two towers. He took this subject from a story of two old men who lived in a sea-coast town. One was the keeper of the lighthouse and his nightly prayer was to make men like a lighthouse tower which shone forth far into the night and lighted the earth around. The other brother was the sexton of the village church and his prayer was to make men like church towers which always pointed toward Heaven.

These were Dr. Gallaudet's two kinds of towers and he compared a man to them. He said a light must have three qualities: purity, because it will not burn unless the wick and oil are pure; power, because it must have power to throw its rays clear to the horizon; and cheerfulness to help and cheer every one it shines upon.

The cross was not only a symbol of outward sacrifice but also of inner and a church tower showed both of these because, while it had a cross outside, it also had one inside formed inside by the beams and rafters.

Dr. Gallaudet concluded his remarks by saying that in order to be a truly great tower one had to have a clear, ever-shining light and have a cross both inside and outside.

After these remarks, Mr. Mason again took the floor and once more asked every one to be present next Wednesday and then passed around some invitation cards and a circular letter which are also to be sent to those who have shown themselves interested in the T. C. A. work.

WIRELESS SOCIETY

A special meeting of the Wireless Society will be held in 11 Eng. B Friday at 4.00 P. M. A number of important measures are to be brought before the society for action. The proposed plans of the Institute Committee will also be taken up. All officers and committees will report, and the work accomplished will be discussed. Plans for enlarging the station have been suggested, and they will be gone over at this time.

CALENDAR.

Friday, March 4.

4.30—Meeting of Technique Board.
8.00—Union Entertainment. Professor George F. Swain will be the speaker.

Saturday, March 5.

3.00—Cross-country practice run from Gym.
8.00—Track: 1913 vs. Lowell Textile at Lowell.
8.00—Brookline H. S. Club at home of L. G. Glazier, Brookline.