

FIRST MUSICAL CLUB CONCERT HELD FRIDAY

Entertainment and Dance in
Walker Have Large
Attendance

REFRESHMENTS SERVED

With a capacity crowd the Combined Musical Clubs made their first formal appearance before a Technology audience last Friday night. The concert, though short, was conceded a good one with well chosen, well rendered selections. After the concert, the floor was cleared and the remainder of the evening was devoted to dancing to the strains of the Musical Clubs' Jazz Band.

Hall Simply Decorated

The program comprised but eight selections, of which two were specialty acts. The first number was the "Battleship Connecticut," played by the Banjo Club. The second was the "March of the Wooden Soldiers," a saxophone quintet specialty act. The third was "Invictus," which was sung by the Glee Club. The fourth, the second of the specialty acts, was a Banjo Duet. The fifth was "Serenade," played by the Mandolin Club. The Glee Club sang "Swing Along" for the sixth number. And popular selections rendered by the Jazz Band were followed by "The Stein Song," the final selection in which all took part.

The hall was simply decorated with the silken class banners draped from the balcony railing.

About 12 o'clock refreshments were served while the dancers rested a few moments. The affair ended at 2 o'clock.

NEWSPAPERS' PART IN DEMOCRACY DESCRIBED

Mr. R. L. O'Brien of Boston
Herald Speaks

Mr. R. L. O'Brien, Editor of the Boston Herald, gave a lecture last Friday and Saturday on "Democracy and the Press," as a part of the Sophomore English course. He dealt with the part that a modern newspaper plays in reflecting the will of the people, and pointed out the kinds of items that are in most demand by the majority.

A newspaper is really a daily ballot of the views of a nation, for if its articles are popular its circulation will be correspondingly large, but if, on the other hand, it does not cater to its subscribers' wants, it is bound to fall off in sales. According to a recent questionnaire sent out by the Associated Press to papers using its news service, the amount of foreign information given out by them is in excess of the demand. This is regrettable in that it indicates that the peoples' interests are local or national, but not international.

PROFESSOR GILL GIVES TALK ON MOTOR FUELS

Ideas Regarding Gasoline Shown
False

At the meeting of Course 5.94 held last Friday, Professor A. H. Gill of the Department of Chemistry spoke on "Motor Fuels and Their Dangers." He brought to light several common fallacies in theories on the combustion of gasoline, and told of some of its recent methods of preparation, especially those dealing with the distillation of shale.

One of the most dangerous things about gasoline is its vapor after burning, which will cause carbon monoxide poisoning if inhaled in a closed garage while a motor is running. Unburned gasoline vapor is about three and a half times as heavy as air, and spreads over the ground very much as a cloud of war gas does. For this reason precautions must be taken in using open flames near the ground in places where gasoline fumes are present.

Gasoline combustion will occur only in the presence of a flame or an electric spark. It is a common error to think that it is dangerous to smoke a cigar or cigarette near a gasoline tank. In reality there is absolutely no danger of fire unless there is an open flame such as a match in the vicinity. Gasoline vapor, as it excludes oxygen, will extinguish a cigarette, and it is even possible to immerse a glowing splinter of wood or a cigarette in a tank of gasoline without any serious effects, says Professor Gill.

RADIO SOCIETY MAKES TRIP TO STATION NAD

Go on Board U. S. S. Delaware
—Visit Receiving and
Sending Rooms

Last Saturday afternoon members of the M. I. T. Radio Society visited the radio station at the Charlestown Navy Yard. Permission was also obtained to go on board the U. S. S. Delaware, which is now docked there. Owing to the fact that repairs were being made on the ship's radio installation, the members of the society were unable to inspect it, but the receiving and control station of the navy yard was visited. The naval transmitting station, which has the call letters NAD, is located at Chelsea. The members were shown how it is remotely controlled from the receiving booth at the navy yard. A demonstration of special amplifying equipment was also made.

The transmitting station in Chelsea was next visited. While there the members of the society had an opportunity to see the 500 cycle spark set in operation, when the usual 4 o'clock weather report was broadcast. A demonstration of the large arc transmitted was also made, although this set is seldom used for regular traffic, most of the work being done on the spark set.

The M. I. T. Radio Society smoker, which was to have been held Wednesday evening, December 6, has been postponed until later in the week.

FREE LECTURES GIVEN AT LOWELL INSTITUTE

Six Addresses by Dr. Rice on
Journeys in Tropical
South America

A series of six free public lectures is being given by A. Hamilton Rice, A. M., M. D., in the Lowell Institute, 491 Boylston street, on Tuesday and Friday afternoons at 5 o'clock. The general subject of the lectures is "Journeys and Explorations in Tropical South America."

The first lecture was held last Friday and dealt with physical outlines of South America. The second lecture comes tomorrow and will be a historical one. The third will have for its subject explorations, which will also be treated in the fourth. The fifth will deal with the Rio Negro and the sixth with the Casiquiare Canal and the Upper Orinoco.

Tickets May Be Obtained by Mail
Dr. Rice, who is vice-president of the American Geographical Society and director of the School of Geographical Surveying and Field Astronomy, is well qualified by both training and experience to lecture on his subject. He is also a Gold Medallist of the Royal Geographical Society, of the American Geographical Society, and of the Geographical Society of Philadelphia.

The lectures will be delivered in Huntington Hall, 491 Boylston street, at five o'clock in the afternoon. The doors will be opened at 4:30 and will remain closed throughout all lectures. Tickets may be obtained by mail by applying to the curator of the Lowell Institute, at 491 Boylston street, and enclosing a stamped addressed envelope for each ticket desired.

Other free lectures being given by the Lowell Institute will be announced in the program. This can also be obtained from the curator of the Institute by sending him a stamped, self-addressed envelope.

FINAL EXAMINATION SCHEDULES NOW READY

The final examination schedules are now being distributed, and may be obtained upon request by applying at the Information Office, room 10-100. If conflicts occur in any tests, it is necessary for the student to return to room 3-106 a schedule with the conflicts noted on it before December 8, so that arrangements can be made for special examinations.

The schedules of examinations are the same as those printed in THE TECH last Wednesday, with the exception of the test in Applied Mechanics 2.20, which will be given Wednesday, December 20, 9-12 o'clock instead of December 19 as announced.

NOTICE TO SENIORS

All Seniors who have not already done so, should immediately return the proofs of their photographs for Technique to the Bachrach Studios, 647 Boylston Street, Boston.

SECRETARIES OF BOYS' WORK MEET HERE TODAY

W. M. Ross and W. H. Correale
Represent T. C. A.

This morning the regular monthly meeting of the Association of Boys' Work Secretaries of the Y. M. C. A.'s of Massachusetts and Rhode Island will be held in the Faculty and Alumni room of Walker Memorial at 10 o'clock. The subject for discussion at this meeting is to be the "Changing Tendencies in the Basis for Membership in the Boys' Division."

W. H. Correale '24, Director of Boys' Work in the Technology Christian Association and W. M. Ross, General Secretary of the Association, are to represent Technology in this meeting. It is the first meeting of its kind that has ever been held at the Institute.

A talk, "What's the Problem?" by Mr. L. F. Reichard of Worcester will open the meeting. Mr. Ross of Technology is the next speaker, taking "National Tendencies" in regard to membership as his subject. The general discussion following will be by Mr. A. J. Gregg of New York, International Secretary for the Christian Citizenship Training Program, who has been studying the question throughout the United States.

The meeting will continue in the Faculty and Alumni room till 12 o'clock, when it will be transferred to north hall, where luncheon will be served at 1 o'clock.

T. E. N. Reviewed By Prof. H. G. Pearson

The ingenious representative of THE TECH who beguiled me into reviewing the December number of the Tech Engineering News, assured me that it was not necessary for me to read the articles; so I sat down to my task with a light heart and a clear conscience. But I could not overlook the leading article by Tom Duffield, a former student of mine, active and well known in his undergraduate days, and one of the distinguished non-graduates of Course XI; would that there were promise of more of them! (I mean: would that more students today, in their wisdom, choose the Course in Sanitary Engineering.) Under the title "Human Engineering Applied to Disease" he tells the story of the fight against tuberculosis in terms of a problem in engineering. I wish that his modesty had not compelled him to omit mention of his own splendid work in France.

Then Horace Ford's article on the "Business Administration of the Institute" attracted my attention. Here is the story of the Institute's marvelous development in the last twenty years presented from the point of view of those responsible for its finances. The figures showing the growth of the plant and of the endowment are striking testimony of the labors of President Maclaurin. By these buildings, by this endowment, he made the future of Technology secure. Not in all its history was this security an assured fact until a fortnight before his death.

The narrative of Mrs. Ellen H. Richards' work at the Institute has remarkable simplicity and directness; the unique place which she holds in Technology's history is presented by Miss Hunt in very appealing fashion. The important part which a few devoted women have played in the annals of the Institute is not generally known; Mrs. Richards' achievement is a matter of public record and recognition of it with gratitude is always timely.

As for the report of the visit to the Majestic, I read it till the magazine was taken from my hands by a young member of my family who wished to get more than the occasional quotations that I doled out to him.

The Radio Society is fortunate in having its accomplishments and aims set forth by Mr. Stratton; he has done an excellent piece of work.

As a whole, the issue shows an admirable balance of subjects, and it is readable throughout. The management this year has a high standard, and is maintaining it in a way that is gratifying to all the friends of T. E. N.

ACTUAL PRODUCTION OF TECH SHOW 1923 BEGINS AT SMOKER

PLANS FOR DORM DANCE HAVE BEEN COMPLETED

Plans for the Christmas Dorm Dance to be held next Thursday evening were completed last Friday night when the matrons for the dance were announced. They are Mrs. Robert P. Bigelow, Mrs. Wallace M. Ross and Mrs. Frank J. Robinson. It has been definitely decided that leather favors will be given at this dance.

Bert Lowe and the same orchestra that played at the Senior dance the night of November 16 will furnish music for this occasion. Besides having the old spot dance in a different form—lucky number dance—there will be several other interesting events. It is the plan of the committee to have the hall decorated in keeping with the holiday spirit.

CORPORATION XV HEARS TWO INDUSTRIAL TALKS

Last Friday evening Corporation XV assembled in the Faculty dining room of Walker Memorial to listen to industrial talks by two well known men.

Mr. J. Coonley, president of the Walworth Manufacturing Company of Boston, and Professor Schell of the Business Management department here at Technology, gave talks on the aspects of business management. Refreshments were served and musical selections were played.

SPEAKERS CLUB HOLDS LAST MEETING OF TERM

Public Speaking Course Will
Resume Activities
Next January

The Speakers Club will hold its last meeting of the term in the Faculty and Alumni room, Walker Memorial, tomorrow at 5 o'clock. In view of the coming examinations and the Christmas recess it has been found necessary to interrupt the series of weekly lessons in public speaking which Mr. H. T. Cahill, noted Boston attorney, is giving the club. Members of the club will be expected to deliver at this meeting a short address upon some subject of preferably national importance. It is desired to avoid the narrowness with which the mind of an engineer is often afflicted by choosing for discussion subjects with a broad scope. In these talks particular attention is to be paid to the arrangement of the ideas and logical thinking.

Mr. Copithorne Spoke

At the meeting last Tuesday Mr. Cahill stressed the necessity of thorough and careful preparation for an address. He stated that purely extemporaneous speaking, as it is commonly conceived, does not exist and that the value of a talk depends upon the preparation behind it.

Mr. M. R. Copithorne of the Department of English, associate member of the club was present and addressed the gathering.

SHOW MOVIES OF FILM MANUFACTURE TOMORROW

Given as Part of Course 8.16—
Open To All

A motion picture entitled "A Trip Through Filmland" will be shown tomorrow at 4 o'clock in room 5-330. This picture is a special film which was made at the Kodak Park works of the Eastman Kodak Company in Rochester, N. Y.

It shows practically every step in the manufacture of motion picture film from the raw materials to the finished product. Because so many of the operations in the manufacture of film really have to be carried on in almost total darkness, a visitor at Kodak Park would see much less of the actual process than is shown in this picture.

The showing of this film is part of the regular course in photography (8.16) given at the Institute, but all who are interested are invited to attend. The picture lasts about 30 minutes.

Among other interesting things, the picture gives some idea of the enormous quantity of silver used by the Eastman Kodak Company. Several tons a week are used at Kodak Park.

CAST OF CHARACTERS FOR PLAY ANNOUNCED

Grand Ball Room of Waldorf-
Astoria Reserved for
New York Show

CALL FOR CANDIDATES

Work on the production of Tech Show 1923 will be given a running start tomorrow evening, when a smoker will be held in the main hall of Walker, at 8 o'clock. Calls for candidates for the cast, ballet, and management will be issued. Plans for the production of the show this year are to be explained by the management, and a number of entertainments will be given.

Special Program Arranged

The actual production of the Show will begin at this smoker and in order to have the audience thoroughly understand the description of the play which will be explained at this time the cast of characters is given below as follows:

Red Eagle—Young bandit of American birth.
Josiah Hubbard—Owner of oil properties in Mexico.
Mrs. Hubbard—His wife.
Evelyn Hubbard—Their daughter.
James Crankshaft—Manger of Mr. Hubbard's oil properties.
Jim Sutler—College Sophomore and friend of the Hubbards.
Madge Brightbill—Fiancee of Jim Sutler, a bit of a flapper.
Senorita Margarita—A fiery Spanish woman.
General Modesto—A pompous officer in the Mexican Army.
There are also a number of minor characters such as soldiers, bandits, and servants.

Calls for Candidates Issued

The management has arranged a program which it believes should be both interesting and entertaining to the audience. At the beginning there will be one or two of the best skits which were given by the Masque Society last Saturday afternoon. Following this F. D. Gage '23, will sing and play some of the songs he has written. Next, Alexander Macomber '07, chairman of the Alumni Advisory Council of Tech Show, and general manager in 1907, will give a history of the Show and also some of his experiences while connected with it. Dean H. P. Talbot and Professor R. E. Rogers will also speak. The topics of these addresses have not been announced. The author of the play, Thomas Boeke '24, will present the story of the "The Sun Temple." W. C. Groce '23, and E. H. Schmitz '23, will sing their hits of previous shows. Mr. Ralph L. Harlow will describe the cast and characters and will explain types of men which will fit each part in the show.

The management will call for candidates at the smoker for the cast, chorus and ballet and men who are coming out for the management and orchestra will be given the last chance to sign up.

The Grand Ball Room of the Waldorf-Astoria has been reserved for the two New York performances. Following the evening performance, a dance will be given lasting until 1 o'clock. As soon as this is over the men will leave for Boston. An additional performance before reaching New York will be given, probably in Poughkeepsie.

CALENDAR

Monday, December 4
7:00—Outing Club, smoker, Faculty dining room, Walker.
Tuesday, December 5
7:30—Tech Show, smoker, main hall, Walker.
Wednesday, December 6
7:30—Informal conference of Aeronautical Engineering Society, room 1-090.
Thursday, December 7
8:00—Dorm dance, main hall, Walker.
Saturday, December 9
2:00—T. C. A. piano and violin recital, room 10-250.
Sunday, December 10
7:30—Cosmopolitan Club smoker, main hall, Walker.
Tuesday, December 12
6:00—Vectors, dinner, Faculty dining room, Walker.
Wednesday, December 13
6:30—Masonic Club, dinner, north hall, Walker.