

CLUBS ANNOUNCE FINAL PLANS FOR WINTER CONCERT

Affair Will Be Held in Louis
XV Ballroom at Hotel
Somerset Friday

TICKETS NOW ON SALE

Pedometer Guessing Contest
Will Be Special Feature
Of the Evening

The Combined Musical Clubs have now completed arrangements for their annual Winter Concert to be given Friday evening, January 23, in the Louis XV Ballroom of the Hotel Somerset from 8:30 until 3 o'clock. The concert will last until about 9:45 and will be followed by a dance till 3 o'clock with music furnished by Bert Loew's Orchestra. Tickets for the affair are \$6.00 per couple and \$4.00 for stag tickets. Sign-ups are being redeemed this week in the main lobby from 11 until 2 o'clock for \$3.00.

The feature of the evening will be the pedometer guessing contest which the clubs are trying out for the first time. As has already been announced, one of the members of the clubs will carry a pedometer in his pocket throughout the evening. The instrument will be set at zero at the start of the program and will be read at 3 o'clock. Whoever guesses closest to the reading on the pedometer will be entitled to free couple tickets to the Tech-Dartmouth Concert, which takes place early next term, and the Spring Concert, one of the main events of Junior Week. Slips of paper will be distributed with the programs at the beginning of the performance and will be deposited with the guesses inscribed thereon in a receptacle provided for the purpose.

Three Specialty Acts

Bert Loew has arranged to play twelve regular dances and four extras. Preliminary Dance orders will be ready in the course of a day or so. The matrons for the affair are: Mrs. H. P. Talbot, Mrs. H. G. Pearson, and Mrs. J. W. Rollins.

The program for the evening will include two appearances of two numbers each by each of the clubs except the Dance Orchestra. There will be three specialty acts, namely: "Three Star Polka" and "At Dawning I Love You" which will be played as trombone solos by A. R. Keith '28. T. A. Knowles will offer a little variation on the usual concert program by his act entitled the "Talky Trickster" in which he gives an exhibition of slight of hand work. This is the first time that such an act has been instituted in the program of a concert of the calibre of the Winter Concert. It was for such talent that the clubs sent out a plea at the beginning of the season in order to secure something of a non-musical nature for their programs.

Tickets are on sale at the Coop or at the Dormitory Office at the regular prices.

TECHNIQUE EXPLAINS MYSTERIOUS POSTERS

Year Book Will Offer Prizes
For Informal Photos

Technique has disclosed the secret of the mysterious question marks that have been displaying themselves about the bulletin boards. The contest that Technique plans on running is not one of cross-word puzzles as some expected, but something that will include even the anti-cross worders.

There will be four prizes of five dollars each, one to go to the man in each of the four classes who hands in the best group of informal pictures to Technique, graduates and others not regularly registered to be classed with Seniors. For convenience, the pictures may be handed in at the information Office, room 10-100 or if desired they may be brought direct to Technique. Negatives are not needed, but the print should be on glossy paper preferably. The contest closes Saturday, February 21, thus giving a whole month to collect your snaps, or to plan for and take pictures around school. As to the type of picture wanted anything from prospective students in baby clothes to photos of the biggest Corliss engines in the steam laboratory is acceptable. Originality is an important factor.

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MAKING OF CADILLACS TO BE SEEN ON SCREEN

Mechanical Engineering Society
To Show Moving Pictures

Members of the Mechanical Engineering Society will see a moving picture on "The Manufacture of Cadillac Cars" today at 4 o'clock in room 5-330. This picture is one of a series given each Wednesday by the Society on various subjects connected with the work of the Mechanical Engineer.

Today's picture covers the complete construction of the cars from raw material to finished products. The Cadillac Company was the first company building high priced cars to adopt the policy of inter-changeable parts in all its cars. It created a sensation in the early days of the industry by disassembling and assembling a car in record time.

Modern plants with the latest kind of mechanical equipment are used to make the cars, which are built of parts practically all of which are made by the Cadillac Company. The size of the plant is impressive as the company is one of the largest producers of higher priced cars.

CAPTAIN SNOW TO LEAVE INSTITUTE

Successor Will Be Alumnus of
Technology—Name To Be
Announced Later

Following the receipt of orders from Washington Captain Elliot Snow, Naval attaché of Course XIII, Naval Architecture, has tendered his resignation from the Faculty of the Institute, to take effect the latter part of February. Capt. Snow is unable to announce the name of his successor, owing to the customary secrecy concerning naval orders. However, it is expected that the new representative will be an alumnus of the Institute, and will arrive sometime in February. While the Naval member of Course XIII is not strictly a member of the Faculty, Capt. Snow was accorded the privileges of an honorary member.

During his connection with the Institute, Captain Snow was very closely connected with the Marine Museum and has aided in its extension, until the Museum is now comparatively well known in this country and abroad. The collection of prints is the largest held by any institution of learning in the United States, and exceeded by only three in the English speaking countries of the world. Captain Snow stated that all work in the Museum will be carried on by F. A. Magoun, instructor in Course XIII, under direction of the advisory board. Mr. Magoun has been gradually assuming the duties of Captain Snow with respect to the Museum for the last six weeks.

Captain Snow was assigned to the Institute in October, 1922, and has been actively connected since, taking special interest in his lectures on the electric propulsion of ships, which were open to upperclassmen in courses VI and XIII. The special duty to which he has been ordered by the Secretary of the Navy is of a nature connected with a corresponding activity of the army.

Harvard Biologist Will Describe His Researches in Tropical Waters

Those interested in biological questions will have an opportunity to hear the third of a series of Sedgwick Memorial lectures which will be given by Professor W. J. V. Osterhout of Harvard University in Huntington Hall, Rogers Building, Friday evening at 5 o'clock. The subject will be "Some Fundamental Problems of Cellular Physiology" and is based on some recent discoveries made by Professor Osterhout during his annual visits to Bermuda where he has been studying some strange forms of life in those tropical and sub-tropical waters. The lecture is open to the public and the Department of Biology and Public Health has invited those professionally or generally interested in the subject to be present Friday.

Professor Osterhout is now professor of Botany at Harvard University, but will soon leave that institution to commence his work with the Rockefeller Institute of Medical Research, where he has been appointed to a research position.

SHOW WILL AWARD PRIZES FOR BEST LYRICS SUBMITTED

Management Announces Opening
Of Contest For All
Lyric Writers

MUST BE IN BY JANUARY 31

First Performance To Be Given
At Somerville Theater
On March 20

Tech Show management has announced a prize competition, open to all students at the Institute, for the best lyrics submitted for the music of this year's show. There will be an important meeting of all men who wish to enter this competition in North Hall at 7:30 o'clock tonight.

A prize of \$10 will be given for the best lyric received, \$5 for the next best, and \$2 for every other lyric accepted. Competitors may write the lyrics for the music which is already in possession of the Tech Show management, or may submit lyrics with music of their own. About 20 songs have been turned in to date, and the book for this year's show calls for 16 different selections. The lyric competition will end on January 31, and all entrants should have their verses in the Tech Show office, room 301 Walker, not later than 5 o'clock on that day. Further details regarding the nature of the plot, types of lyrics desired, titles suggested, and general requirements of the contest will be announced at to-night's meeting.

Opens in Somerville

The show's itinerary has been definitely decided upon and will include nine performances. The opening performance will be given at the Somerville Theater, Somerville, on the evening of March 20. This is the first performance of the show to be given in Somerville since 1916, and takes the place of the one given in Norwalk last year. The two following performances will be given at Parson's Theater, Hartford, and at the Waldorf Astoria ballroom, New York City, on March 23 and March 24 respectively. The Tech shows of 1923 and 1924 played to capacity houses in Hartford during those years, and an equally enthusiastic reception is expected this year.

On April 4 the show will give two performances at the Academy of Music in Northampton. The Boston performances will come during Junior Week on April 20, 21, at the Boston Opera House.

SNOWSHOE AND SKIING PARTY AT WINCHESTER

A Skiing and Snowshoe party will be held by the Outing Club of the Institute at the Winchester Country Club on Sunday, January 25. Those who wish to do so may purchase dinner which will be provided at the Winchester Outing Club, or lunch may be brought from home.

The party will meet at Arlington Center, where the Winchester cars leave, at 10:20 o'clock. Any men wishing to join the party later may do so at any time at the clubhouse.

SINGERS WILL GIVE A CONCERT NEXT FRIDAY

To Be Assisted by Chorus From
Studio of S. S. Townsend

With the assistance of a mixed chorus from the studio of S. S. Townsend, the class in choral singing will give a concert in room 5-330 at 5:30 o'clock next Friday. Everyone is invited to attend this concert in which between 30 and 36 voices will take part and which will last from an hour to an hour and a half. Before the concert, which will consist of folk songs, which the class has been studying there will be a rehearsal to which anyone who can sing or read is invited. The rehearsal begins at 4:30. There will be on the program besides the folk songs the singing of Saint Saens' Christmas Oratorio by the chorus for which Reginald Boardman will play a piano-forte accompaniment.

The course in choral singing is one of the courses of general study offered by the Institute and credit is given to men entered in this course just as to men taking other General Studies.

PROFESSOR DEBYE TALKS AT SEMINAR

Future Lecturers to Include
Members of General
Electric Staff

At the Physics Seminar held yesterday afternoon, Professor Debye spoke on the subject: "Recent Research on the Diamagnetic Susceptibility of Gases." Professor Debye gave a new tentative theory developed by himself in connection with recent experiments carried out by Glaser in the laboratory of Wein in Munich.

According to the classical theory the diamagnetic susceptibility is proportional to the pressure of the gas. Glaser found in his experiments that this law held only for very low and for very high pressures, while in the domain of transition between these, the proportionality varies. The new Debye theory is an attempt to correlate the results of Glaser with the magnetic property of the molecules. The presentation of the theory was followed by a discussion by members and students of the department of physics.

The next seminar will be held January 27 at 3 o'clock in room 4-231. The speaker being Professor C. T. Burgess, aeronautical expert at the Bureau of Aeronautics of the Navy Department.

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Chemists Show Versatility At Making Models

Carbon Molecule Models Built of
Hairpins, Toothpicks, and
Jelly Beans

Winners in Professor Moore's contest for the best set of four tetrahedron carbon models were selected by the committee yesterday afternoon and will be announced in Professor Moore's Organic Chemistry class on Thursday.

The contest was open only to men taking the course in Organic Chemistry, and closed on Monday noon. The construction of the models was a required part of the course and was intended to give the men a better understanding of the actual alignment of the atoms in the molecule, as well as a definite comprehension of the principle of isomerism and double bond linkage.

Materials used in making the models varied from the most fragile toothpicks and weighty gum-drops to copper wire and hickory nuts. Most of the men who waited until Monday morning to construct their models made the Organic Chemistry lab the scene of their busy activities and succeeded in creating a run on the supply of corks and copper wire. Following the completion of their models, there came a mad scramble for boxes in which to transport the clumsy tetrahedrons. The final collection of models in Professor Moore's office resembled the display of a toy store before Christmas.

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FRESHMEN TO HEAR MUNROE TELL OF BOSTON TOMORROW

J. P. Munroe '82 to Talk to First
Year Men on "Boston and
The Student"

IS CORPORATION OFFICIAL

Particularly Well Fitted To
Give Lecture Declares
Professor Pearson

"Boston is the best location for an institution of the type of Technology," declared J. P. Munroe, '82, secretary of the Corporation, who is to talk on "Boston and What it Means to the Student" to the freshman class at 11 o'clock tomorrow. "There are more students in Massachusetts than in any other state. The general atmosphere of the city is scholarly. There are cultural advantages that are well known, Boston being a center of music and art, as well as of science.

"This is an opportune time to talk of the history of Boston," added Mr. Munroe, "for it is the three hundredth anniversary of the settling of the city. My talk will be not in any manner a scenic trip, but will be an endeavor to present the points of the city in a manner interesting to engineering students."

Was Secretary of Faculty

Mr. Munroe's talk is the second of a series of talks to freshmen to be given each Thursday this term to acquaint them with the salient facts about the Institute and its surroundings. Last Thursday Dean Talbot told of the founding and growth of Technology.

A whole page is devoted in "Who's Who in America" to the achievements of Mr. Munroe. He was Secretary of the Faculty here from 1882 to 1889, and is now president of the Munroe Felt and Paper Company of Boston. He is secretary and a life member of the Corporation. Many philanthropic societies are included in the list of organizations that he has headed at one time or another. Among the clubs and organizations to which he now belongs are the Boston Chamber of Commerce, the Boston City Club, the Eastern Yacht Club, the Authors' Club, and the Technology Club of Boston, of which he was president from 1896 to 1904.

Well Fitted to Lecture

He is the author of "The Human Factor in Education," "Life of Francis Amasa Walker," and of a host of magazine articles, besides having edited "Discussions in Education," by F. A. Walker, and "A History of Lexington." "Mr. Munroe is particularly well fitted to give this lecture," said Professor H. G. Pearson, head of the Department of English and History, "because of his wide travels in this and in foreign countries, and because of his familiarity with the history and with the interesting points of Boston."

POWER TRANSMISSION LECTURE POSTPONED

A.I.E.E. Meeting Now Scheduled
To Be Held Next Month

Mr. R. D. Booth '20, who was to speak to the Electrical Engineering Society tomorrow evening on the subject of "Electric Power Transmission," has found it necessary to be out of town at that time. As a consequence the meeting has been postponed until the latter part of next month.

Mr. F. W. Peek, Jr., of the General Electric Company is the next speaker scheduled to address the Electrical Engineering Society. "Lighting" will be the subject of this lecture which will be given on Thursday, February 5. The

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CALENDAR

Wednesday, January 21
4:00—Moving pictures, room 5-330.
7:30—Lyric writers' meeting, North Hall.
Thursday, January 22
4:00—Development of Science meeting, room 10-250.
11:55—Freshman Rifle Team, room 4-131.
8:00—Talk on Electric Power Transmission.
Friday, January 23
1:30—Chem. Soc. trip.
3:00—Corporation XV trip to Carr Fastener Co.
4:30—Choral Singing, room 5-330.
5:00—Sedgwick Lecture, Huntington Hall.
8:00—Winter Concert and Dance, Hotel Somerset.