

WINTER CONCERT TO COME FRIDAY NIGHT

**Bert Lowe Plays for Dance
Following Musical
Clubs' Program**

TICKETS STILL AVAILABLE

Next Friday at 8:15 o'clock the Musical Clubs will give their annual Winter Concert and Dance in the Hotel Somerset. The program consists of the usual concert which will last until about 9:30 o'clock followed by the dance extending to 3 o'clock.

Bert Lowe will furnish the music with his best ten piece orchestra and the dance program will have 14 numbers. There will also be four extra dances coming between the regular numbers. Supper will be served during intermission which will come between the sixth and seventh dance and will probably be near 12 o'clock. The list of matrons is now complete and is composed of the following ladies: Mrs. W. Spencer Hutchinson, Mrs. R. C. MacLaurin, Mrs. R. T. Pendleton, Mrs. W. M. Ross, and Mrs. H. P. Talbot.

There are still a number of tickets left and they may be obtained at the Musical Clubs' office, 310 Walker Memorial at \$6 per couple. Stag tickets at \$3 each are also being sold.

The patroness list is as follows: Mrs. E. E. Bugbee, Mrs. Hollis French, Mrs. F. W. Hobbs, Mrs. H. J. Horne, Mrs. R. G. Hudson, Mrs. D. C. Jackson, Mrs. C. H. Jennings, Mrs. A. E. Kennelly, Mrs. A. D. Little, Mrs. C. T. Main, Mrs. A. L. Merrill, Mrs. George Owen, Mrs. A. J. Peters, Mrs. A. G. Robbins, Mrs. C. F. Richardson, Mrs. C. A. Stone, Mrs. F. A. Walker, and Mrs. E. B. Wilson.

FIRST DORM DANCE OF TERM HELD FEBRUARY 2

On Friday evening, February 2, the Dorms will run their first dance this term in the main hall of Walker Memorial. Morey Pearl has been engaged to lead his first string orchestra for the occasion. Two pianos will be used and the very latest dance music will be featured.

The other novelties of the evening have not yet been announced by the committee. Tickets for the affair are to be placed on sale tomorrow, and may be obtained at the price of \$2 per couple from any of the following men: E. H. Miller '23, R. T. Lassiter '24, and M. L. Ifeld '24.

LATIN AMERICAN CLUB WILL PRESENT LECTURE

The first of a number of scientific lectures that the Latin American Club is planning to present during the winter will be held this afternoon at 4 o'clock in room 10-275. This lecture will be given by M. S. Vallarta '21, on the subject "The Concept of Entropy in the Light of Modern Atomistics." Mr. Vallarta is eminently fitted to handle the subject, being a graduate of the Electro-Chemical course of the Institute. He says that he will explain some of the theories of Entropy so that every student of the Institute will be able to understand them. The club invites the student body and general public to attend.

SHOWS POSSIBILITIES FOR ENGINEER IN CHINA

In a talk given Monday afternoon in room 5-330 on the subject "Trade and Engineering Opportunities in China," Mr. Julean Arnold presented to his audience a view of the opportunities offered to Institute men in China. Ten men are enrolled annually by the American Legation in China for the purpose of studying the Chinese language. These men are paid, while learning, the sum of \$1500 per year; with opportunity for advancement in the consular service or a change into the diplomatic service. The government holds no obligations over any students who wish to leave the service after completing the course. Any men who are interested in the proposition are urged to communicate with the Director of the Consular Service in Washington.

Mr. Arnold also spoke of the need of engineering ability in China. China's transportation system has seriously handicapped her development.

PRESIDENT STRATTON TO SPEAK AT AERO SMOKER

**Operation of Commercial Air
Lines Described**

The Aero Society has been fortunate enough to secure Dr. Stratton as the speaker of the evening, for their next smoker, which will take place in the main hall of Walker Memorial tomorrow night at 7:30 o'clock. President Stratton has always been very much interested in aviation and, as secretary of the National Advisory Committee for Aeronautics, and chief of the Bureau of Standards, he has been intimately associated with its development.

Following President Stratton's address, Professor E. P. Warner will give a talk on "The Operation of Commercial Air Lines." Professor Warner has made a thorough study of aviation in Europe, and has ridden many hundreds of miles on air routes in all parts of Europe, many of which are now in daily service there. Some new moving pictures of the gliding contests are to be shown, and the Society hopes to obtain the official government films. The complete set of photographs of the German and French gliding competitions are to be exhibited and may be purchased at this time for ten cents each.

In addition, the society plans to have a complete airplane on exhibition at the smoker. If this is not possible, the parts will be placed on exhibition and assembled if the time permits.

COMPETITION FOR VOO DOO WILL OPEN TODAY

**New Candidates Needed in All
Departments—Art Men
Especially Wanted**

The mid-year competition for Voo Doo which was announced in a previous issue of THE TECH will open this afternoon. A meeting of all new men who wish to try out for the staff will be held today at 5 o'clock, in the Voo Doo office, room 309 of Walker. This meeting is open for all new candidates coming out for the publicity, circulation, and advertising departments; for general business work; and for art and literary work in the editorial department.

The general competition is designed primarily to accommodate those in the junior grade of the freshman class, although the management requests that any others who believe they have the requisite ability attend the meeting. According to general manager G. F. Nesbitt '23, there is at the present time an exceptional opportunity for making good in the art department. There has been quite a lack of good men in this department, and upperclassmen of ability who come out for this competition will have a fine chance to make the staff when the elections are held next May.

Any men who are interested in the competition, but who wish further details concerning the character of the work, are requested to come to the meeting today, and consult with the general manager at that time. This competition will not include any men who have had previous experience with Voo Doo.

OPEN LECTURE SERIES AT LOWELL INSTITUTE

**Addresses on Roman Empire by
Dr. Rostovtzeff**

A new series of lectures started at the Lowell Institute yesterday. The subject of the lectures is "The Social and Economic Development of the Roman Empire," and they will be delivered by Dr. Michael I. Rostovtzeff of the University of Wisconsin on Tuesday and Thursday afternoons in Huntington Hall, 491 Boylston Street, at 5 o'clock.

The first lecture was given yesterday on the subject "The Roman Republic and the Civil War." The second of the eight lectures will be delivered tomorrow afternoon. Its subject will be "The Restoration of Augustus and the Early Roman Empire."

Tickets are free, and may be secured by applying by mail to the curator of Lowell Institute, 491 Boylston Street, and enclosing one stamped self-addressed envelope for each ticket desired. The doors of Huntington Hall will be opened at 4:30 o'clock, but will be closed at 5 o'clock and will remain so throughout each lecture.

The World's Affairs

Starting today a column called **The World's Affairs** will appear on the editorial page of THE TECH. The column will be composed of short paragraphs of national and international news in order to give our readers in condensed form the important events of the day.

THE EDITOR.

CORPORATION XV TO MAKE SPRING TOUR

**Will Visit Factories in New
York, Springfield, and
other Cities**

The directors of Corporation XV have decided to conduct another industrial tour, much the same as the very successful one of last year. To this end a committee has been appointed and tentative plans and communications were made prior to the Christmas vacation. The tour will probably be made during the Wednesday, Thursday, Friday and Saturday following the second term examinations.

This year, plans have been made to go through Springfield in order that the factory of the Rolls Royce of America, Incorporated, may be visited. Last year Mr. Ollie, of that company, addressed the visitors, and it is hoped that he may be prevailed upon to do so again. Mr. Ollie is one of the foremost automotive engineers of America, and it is expected that his talk will include a most interesting version of the automotive industry.

Will Visit Hartford and New York
Hartford will probably be the second stop, where the Underwood Type-writer Company's plant will be inspected, and addresses by various industrial executives heard. At New York, a visit to the stock exchange and the Woolworth Building is planned for the afternoon, while in the morning, some industry of interest will probably be visited. Arrangements are now under way for a dinner and reception to be held that evening at the Technology Club of New York City, where several of the alumni will address the students. It is also hoped that Professor D. R. Dewey, head of the department of Engineering Administration, will speak.

The next day the travelers are scheduled to visit the Bush Terminal, where a study will be made of modern

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SENIOR DANCE SET FOR ST. VALENTINE'S DAY

**Class Entertainment Tickets
May Be Secured Today
For Last Time**

Seniors will have their last opportunity to secure tickets for the class dance and vaudeville today from 12 until 2 o'clock. At this time the tickets will be given out free of charge at a booth in the main lobby. The committee in charge wishes it understood that this will be absolutely the last time tickets will be obtainable. Admission the night of the affair will be by ticket only. Each man must apply for his own ticket, for only one will be given to an applicant. Each ticket will admit a Senior and a lady guest.

The party will be held on St. Valentine's Day, February 14, and will last from 8 until 1 o'clock. It will consist of a vaudeville entertainment by local talent followed by a dance, which will be informal. Music will be provided by the Musical Clubs' Jazz Band. The committee reports that plans are progressing very satisfactorily and that it will endeavor to make the affair a bright spot in the Senior annals.

NAVAL ARCH SOCIETY SMOKER COMES TONIGHT

The first smoker of the term for the Naval Architectural Society comes tonight in the Faculty and Alumni room in Walker at 7:30 o'clock. Professor J. R. Jack will give some of his numerous experiences with marine work during the war.

The committee will report on the charm design and action will be taken concerning a final decision. Refreshments and smokes will be provided.

COPLEY PLAZA ENGAGED FOR PROM BY JUNIORS

**Bids Received from Orchestras
Satisfactory**

Rooms have been secured at the Copley Plaza for the Junior Prom by the Prom Committee for the night of Friday, April 20. The rooms are the same as those used last year, with the exception of the Palm Room. As this latter room could not be secured until 12:30 o'clock, the committee thought it inadvisable to use it after that time.

Bids from orchestras have been coming in and are, according to R. T. Lassiter '24, very favorable. Among those making bids are Morey Pearl, Lowe, and the American House orchestras of Boston, Wittstein of New Haven, and Paul Whiteman of New York.

The Prom Committee meets regularly every Tuesday afternoon in the reception room of Runkle to work on the plans for the event, and its members welcome suggestions for the conduct of the Prom at all times. Beginning next week additional meetings will be held with favor salesmen, preliminary to the purchasing of these articles.

"GOLDEN RULE NASH" TO SPEAK AT TECHNOLOGY

**Forced to Cancel Dates at In-
stitute Last Year Due
to Illness**

Mr. Arthur Nash, known throughout the West as "Golden Rule Nash," has been secured to speak at the Institute on February 5, 6, and 7. A meeting of the committee in charge of these talks was held yesterday afternoon to hear Dr. Harold Marshal, in charge of Mr. Nash's New England trip, discuss and plan the speaker's stay at Technology.

President of the A. Nash Co., clothing manufacturers, Mr. Nash became known as the first man to successfully apply the golden rule to industry, and has taken extensive trips to describe his methods to college men. Arrangements for him to visit Technology last February were made but the dates were cancelled due to his ill-health.

Dr. Marshal has just returned from a conference with Mr. Nash in New York, where he completed the arrangements for the latter's three days' stay here. The talks are to be given at 4 o'clock in room 10-250 on each of the three days.

The committee in charge of the talks consists of the following: Dr. Marshal, Professor C. W. Doten, for the Faculty; W. M. Ross, R. H. Frazier '23, D. H. Keck '24, chairman, for the T. C. A.; M. L. Ifeld '24, for the Dormitories; K. C. Kingsley '23, for the Fraternities; W. W. Quarles '24, C. T. Jackson '23, and D. A. Shepard '26.

CIVILS MEET TONIGHT WITH BOSTON CHAPTER

This evening at 6:15 o'clock the Technology Student Chapter of the American Society of Civil Engineers holds a combined meeting with the Boston Society of Civil Engineers in Chipman Hall, Tremont Temple. All those who have signed up will be served a buffet supper at that hour and at 7:45 o'clock the societies will be addressed by A. T. Safford, Engineer of Locks and Canals, who will present an illustrated paper on the new Amoskeag Hydro-Electric Development at Manchester, N. H.

R. O. T. C. ENGINEERS INSPECT THE ARSENAL

On Thursday and Friday of this week a group of Juniors of the Advanced R. O. T. C. Engineers will make a tour of inspection of the Watertown Arsenal. They will leave here both days at 2 o'clock, with about 15 men in each party. The authorities at the Arsenal will furnish guides for the men, and the foreman of each shop will personally conduct the men through the plant under his jurisdiction.

The Watertown Arsenal is the place where nearly all the carriages for the large guns used in the United States Army are made, whether railway, coast defence, or otherwise. It was here that the large 16 inch coast defence gun which is located at Panama had its carriage made.

SENIORS DISCUSS CAPS AND GOWNS

**Final Action Will Be Taken
at Class Meeting Next
Monday**

DR. STRATTON FAVORS IDEA

Last Monday evening at an enthusiastic meeting of 43 Seniors comprising a committee on Commencement exercises, the following resolution was unanimously passed: Resolved, that after due consideration the committee recommend that as one step in the improvement of the graduation exercises the Class of 1923 wear caps and gowns. A class meeting was called for next Monday evening, at which ways and means for making the graduation ceremony more impressive will be considered. The question of whether or not caps and gowns will be worn will of course be discussed.

President R. P. Shaw '23, presided at the meeting. The report of the committee on Caps and Gowns of the Senior class was read by the chairman, B. P. Lane '23. This committee, which consists of B. P. Lane, C. C. Taylor, H. W. Dexter, and H. L. Hayden, has been supplemented by the large committee of about 45 men in order that the project may be more effectively presented to the class as a whole.

Would Lend Dignity to Graduation

The report of the committee brought out the fact that the wearing of caps and gowns is customary in technical schools and is appropriate for the Seniors at Technology. A questionnaire was sent to twenty representative scientific schools to determine whether caps and gowns were worn there. At seventeen, including Carnegie Tech, Sheffield Scientific School, Stamford School of Engineering, and Georgia School of Technology, the wearing of caps and gowns

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TECHNOLOGY REVIEW ON SALE NEXT FRIDAY

**Many Illustrations in Issue—
Article on Engineer's
Labor Problems**

The Technology Review will go on sale to the undergraduate body on Friday morning. The issue will once more be of 56 pages and will contain many illustrations; in fact, there will be cuts on all pages but one in the regular news section.

Among the leading articles is a full account of the New York alumni meeting on December 15 and 16 for the purpose of a big jubilee and a reception for Dr. Stratton.

Elisha Lee '92, who is vice president of the eastern division of the Pennsylvania Railroad has written an article on labor problems as seen from an engineer's point of view.

Also, there will be a number of short articles on the 93rd meeting of the Alumni Council, and a resume of the accomplishments of the Administrative Committee since its inception three years ago.

CALENDAR

- Wednesday, January 24
5:00—Talk on Courses III and XII by Professor Waldemar Lindgreen, room 4-270.
7:30—Naval Architecture Society smoker, Faculty dining room.
- Thursday, January 25
5:00—Talk on Course VI by Professor D. C. Jackson, room 10-275.
8:00—Aeronautical Engineering Society smoker, main hall, Walker.
- Friday, January 26
5:00—Talk on Course V by Professor F. G. Keyes, room 4-270.
8:00—Musical Clubs Winter Concert, Hotel Somerset.
- Monday, January 29
5:00—Talk on Course VIII by Professor C. L. Norton, room 4-231.
- Tuesday, January 30
5:00—Talk on Course VII by Professor S. C. Prescott, room 10-275.
- Wednesday, January 31
5:00—Talk on Course XIII by Professor J. R. Jack, room 3-270.
8:00—Mid Winter assembly of the Faculty Club, Walker Memorial.
- Thursday, February 1
9:00—Catholic Clubs' Federation Formal Dance, Hotel Somerset.
- Friday, February 2
8:00—Dorm Dance, main hall Walker.