

SHOW SONGS WILL BE BROADCASTED

Perform Tomorrow Night in
Jordan Hall for
Simmons

ACTRESS LIKES BALLET

Tech Show, 1923 is going to try another innovation this year. Besides being the first show to go to New York it will be the first show to broadcast by radio.

Saturday, March 17, Frank Gage will broadcast some of his past successes and possibly some of this year's songs from the American Telephone and Telegraph station in New York. When the show arrives in New York on Tuesday, March 20, the songs and possibly the whole show will be broadcasted from the Waldorf-Astoria by the Westinghouse people.

Marcelle D'Arville Enjoys Show

It is expected that this experiment will meet with great success for many of the songs this year are of very excellent character and all of the songs that Frank will sing are very well known and popular among Technology men.

When the reporter asked Marcelle D'Arville of the "Just Married" company as to her opinions of the show, when she saw it at the dress rehearsal, she said, "Tech Show is one of the finest amateur plays I have ever seen. The music and ballet are especially good."

First Performance Tomorrow

The first public performance of the show will take place on Saturday night at Jordan Hall when it will be put on for Simmons. Last year there was a similar performance at Jordan Hall before the showings at the Opera House. After this performance there will not be another until the evening of March 19 at Parson's Theatre at Hartford.

FEDERATED CLUBS PLAN FIRST DANCE NEXT TERM

Another one of the winter's dances to be held in main hall of Walker this season, will take place under the auspices of the Federation of Cosmopolitan Clubs of Greater Boston, at 8 o'clock Friday evening, March 23. The federation is a comparatively new organization, and as this is its first dance, its officers are taking especial care to make it a success. Tickets for the dance are priced at \$2 a couple, and are obtainable at the Co-operative Society or from officers of the club. The officers at Technology are: T. B. Drew '23, and Kaare Aas '24.

"THEORY OF CATALYSIS" OFFERED NEXT TERM

During the third term a course in the Theories and Applications of Catalysis 5.09, will be given. The lectures on this subject are designed to furnish a systematic description of our knowledge of catalytic phenomena, including all recent developments. The various theories regarding the mechanism of catalytic action as well as the choice, function, maintenance, and recovery of catalysts in industrial processes such as the manufacture of sulphuric acid, hardening of oils, vulcanization of rubber, synthesis of alcohols, saponification of fats, electrochemical operation, and gas phase reactions will be fully discussed. Attention will also be given to the use of catalysts in typical operations of organic chemistry such as oxidation, hydrogenation and dehydrogenation, hydration and dehydration, and polymerization.

Those who desire further information about this course are requested to see Mr. Underwood. It is also desirable that students who intend to register for this subject should furnish him with a schedule of their free hours, at an early date in order that lecture periods may be arranged to suit the convenience of all concerned.

CIVIL SERVICE EXAM FOR LABORATORIANS

The United States Civil Service Commission announces open competitive examinations for laboratorian and assistant laboratorian in Bacteriology and Roentgenology. These positions are in the Public Health Service and in the Veterans' Bureau at Boston, Chelsea, Rutland, and Vineyard Haven, Mass.; Portland, Me.; Providence, R. I.; and New Haven, Conn.

CONCERT SIGNUPS SOLD IN MAIN LOBBY TODAY

Last Chance to Buy Tickets to
Major Spring Event of
Musical Clubs

Today is the last day of the sale of signups to the Spring Concert of the Musical Clubs which will be given at the Hotel Somerset on April 19 as part of the Junior Week program. The signups may be obtained at the ticket both in the main lobby today from 12 to 2 o'clock for \$3 each. The redemption price is also \$3, making the total cost of a ticket \$6.

At present it is very doubtful if signups will be put on sale again, and therefore the Musical Clubs advise that in order to be sure to obtain tickets to the concert, signups should be bought today.

Glee Club Sings New Prize Song

The concert will be followed by dancing, and in order to give more time for the latter, which will continue until 3 o'clock, the program has been made a short one. The dancing will be featured by several novelties which the clubs have obtained.

Unusual specialties have been planned to give some variation from the ordinary concert program. One of these will be the singing by the Glee Club of the new prize winning Technology song, "M. I. T.," which was written by Professor G. E. Russell '00, and which was chosen as the best from the several submitted in competition for the prize.

ENGLISH METALLURGIST MAKES THREE ADDRESSES

Dr. Rosenhain Tells of His Work
with Metals

Under the auspices of the Department of Mining, Metallurgy, and Geology, Dr. Walter Rosenhain, F. R. S., delivered three lectures last Monday, Tuesday and Wednesday on "Hardness and Hardening," "Strain and Fractures in Metals," and "Aluminum Alloys." Dr. Rosenhain is head of the Metallurgical Division of the National Physical Testing Laboratories, near London, which corresponds to our Bureau of Standards.

His lectures were illustrated by slides and charts, including numerous microphotographic slides showing the crystalline structure of the various metals. In the first lecture he told how the metals behaved when they are deformed. He explained the methods of hardening metals and what really happened when they were hardened.

Tells Uses of Aluminum

In the second lecture he dealt with the effects of strain on metals both on the physical properties and the crystalline structure. He explained the causes of cracks in brass, saying that it was not always due to chemical action alone, but also to internal stress in the metal itself. He also said that, contrary to common belief, the appearance of a break did not indicate the quality of the metal, but depended on the method of breaking.

The third lecture was on "Aluminum and Its Alloys." Dr. Rosenhain gave first of some of the numerous uses of these substances, and then went on to tell of the composition and relative advantages of some of the various alloys. The ratio of the weight to the strength determines their values. According to Dr. Rosenhain the best alloy for all-around purposes is that known as Alloy-Y. Its composition is aluminum with four per cent copper, two per cent nickel, and one and a half per cent magnesium.

WINS BIG FORTUNE ON CORP XV STOCK MARKET

A. H. Brown '26, won \$27,250 in "Mexican Pete," on the stock exchange operated by the bucket shop—Corporation XV—the evening of the Tech Circus. For doing this he was awarded a handsome pennant as the grand prize for his successful evening in trading. Twenty traders took part in the early trading and eight were successful in aggregating \$63,000 while twelve others lost the sum of \$89,500.

TAU DELTA PHI THIRD

In the recently announced Fraternity scholastic standing, Tau Delta Phi, which was given as 29th, should have been third. The mistake was due to an error in compiling the statistics in the Dean's office.

NOTICE

All registration material must be turned in at room 3-106 before 5 o'clock tonight. A fine of \$5 is imposed for failure to comply with this regulation.

RADIO TESTS ARRANGED WITH FRENCH STATION

Schedule Outcome of Report
Received from Amateur
in Nice, France

As a result of a communication received recently by the M. I. T. Radio Society from a French amateur radio station, SAB, located at Nice, IXM is carrying on special transmitting tests three times a week for which the French amateur has agreed to listen.

The card from SAB stated that he had heard the signals of IXM while the Institute station was working different American amateur stations. The list of calls covers a period of about an hour and a half the night of February 3, and is an identical copy of the log of IXM for the same period, which makes a unique record, since for such a long time the signals from IXM were of sufficient audibility in France to be correctly read. February 3 was the first night the society's new 270 watt tube was in operation.

To further prove the practicability of transmission to France, SAB has agreed to listen for IXM at 12:30 o'clock, E. S. T. In view of these tests, the radio society wishes to announce that they will accept messages for any part of Europe, to be transmitted to SAB during the tests, and then forwarded by him. These messages may be in any language. They should be telephoned to the station, telephone University 3502-W, any time after 7 o'clock in the evening, or given to any member of the society.

NEW CONSTITUTION FOR DORMITORIES ACCEPTED

Institute Committee Ratifies
Change in Technique
Organization

At a meeting of the Institute Committee yesterday afternoon the constitution which was drawn up for the dormitories by the committee appointed by Dr. Stratton for this purpose, was formally approved by the Institute Committee. Other more or less important business was also transacted.

The new constitution and by-laws for the dormitories have now been accepted by Dr. Stratton and the Institute Committee, and it only remains for the men of the dormitories to give their approval before the new constitution will go into effect.

Details of the new constitution have not been made public as yet, but in general it is somewhat on the following lines. The dormitory committee will be directly under the Institute Committee as one of its standing committees. The chairman of the Dormitory Committee will be an ex-officio member of the Institute Committee and two other members of the dormitory body will be granted places in the Institute Committee.

New Fine Imposed

A second constitution was also accepted during the meeting, that of Technique being ratified upon motion of D. B. Jennings '24, present Editor-in-Chief, in the new organization the Managing Board will consist of a General Manager, a Managing Editor, and a Business Manager, all of which positions will be filled by Seniors.

Upon motion of T. M. Taylor '23, it was decided to assess a fine of from \$5 to \$10 on any activity which contracted to spend money it received from its share of the undergraduate dues without first securing the approval of the budget committee. The fines shall not be paid from the undergraduate dues, but must be taken from the pockets of the officers of the organizations themselves.

A motion to accept a report of a committee on the publishing by the Institute Committee of the book entitled "Concerning M. I. T." was tabled. This book was published about six years ago by the Institute Committee and a proposal was recently made to get out a new edition.

SENIOR CLASS ELECTS MARSHALLS AND COMMITTEE FOR CLASS DAY

DR. STRATTON TALKS TO
COURSE VI-A MEMBERS

Subject Is "Fields for VI-A Men
After Graduation"

Members of Course VI-A held a meeting last Monday afternoon at which Dr. S. W. Stratton, and Professors D. C. Jackson and W. H. Timbie were the speakers. After the addresses a short business session took place, which was followed by a social meeting at which refreshments in the form of ice cream and cake were served.

Dr. Stratton's subject was "Fields for VI-A Men after Graduation." In his address, he stressed the fact that any work in engineering may become research work and that all jobs of production and construction are in themselves a form of research work. He also emphasized the importance of physics and chemistry to the engineer. Professor Jackson's address was on "Loyalty," while Professor Timbie just gave some general advice to the men.

The committee in charge of the VI-A booth at the Tech Circus made a report of its work which was somewhat financial in its character.

COLLEGE MEN MEET IN HOLIDAY CONFERENCE

Promoted by Student Y.M.C.A.
—Held at East Northfield,
March 16 to 18

A conference on the Christian Way of Life for college students of New England will be held under the auspices of the Student Y. M. C. A. New England Field Council at East Northfield, Mass., from March 16 to 18. The purpose of the conference is to give the students who are or expect to be in positions of campus Christian leadership a deeper understanding of the Christian Way of Life.

It is expected by those in charge that about 100 students will attend the conference, about ten or 12 of which are coming from Harvard. "Wally" Ross, who is in charge at Technology, has expressed the hope that the Institute will be represented by at least as many.

Led by Yale Professor

The total cost of attending the conference will be about \$16, which includes an \$8 round trip ticket to and from Boston, meals and room from supper Friday night to dinner Sunday, and a registration fee to be determined by the cost of the conference. The T. C. A. Executive Committee has voted to pay half the expenses of anyone who desires to go, but would otherwise be prevented by the expense of the trip. All who wish to go, whether they wish to take advantage of this offer or not, are asked to give their names to Mr. Ross or R. H. Frazier '23, or leave them in the T. C. A. office.

Professor Tweedy of Yale will be leader of the conference, and will be assisted by the Reverend Sydney Lovett of Boston and a half dozen recent college Christian association alumni and younger ministers.

GIVE THREE LECTURES AT OLD SOUTH CHURCH

Addresses of Interest to Young
Men and Women

Old South Church is having a series of three monthly lectures to interest young men and women in the "tremendous challenge of the world and times in which we live." The first of these lectures is by Mr. Alden H. Clark on "India," and will be delivered in the chapel next Sunday afternoon at 3 o'clock.

Mrs. Maclaurin, through whom the T. C. A. has received notice of these meetings, writes: "I hope that Technology may be well represented at the lecture. I have heard Mr. Clark, the lecturer, speak on affairs in India, and his broad sympathies and his understanding of social and political conditions impressed me greatly."

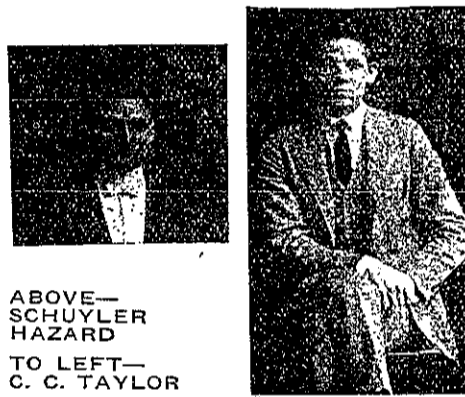
The second meeting will be held on April 22, with Miss Mary E. Woolley, President of Mount Holyoke College, speaking on "China." Dr. Gordon will deliver the third lecture, "Youth and World Visions," some time in May.

C. C. TAYLOR PICKED FOR HIGHEST POST

E. J. Thimie and Schuyler
Hazard Are Other
Two Marshalls

294 SENIORS CAST VOTES

Yesterday the Senior Class chose 25 men out of 63 nominees for its Class Day Committee, which will be charged with the supervision of the activities of graduation week. On a separate ballot, the class indicated



ABOVE—
SCHUYLER
HAZARD
TO LEFT—
C. C. TAYLOR

its choice for Class Marshalls and elected C. C. Taylor '23, First Marshall, Schuyler Hazard '23, Second Marshall, and E. J. Thimie '23, Third Marshall.

The committee was elected by the Hare-Spence system; each voter listed 25 men in order of his preference for the committee. The voting booth was located in the basement of building 1 and was open from 9 to 5 o'clock. 294 votes were cast. The tabulation of the results, which involved considerable labor, was not completed until shortly before midnight.

C. C. Taylor '23, chairman of the election committee, reports that an unusual amount of interest was shown by the class in the appointment of the commencement officials. The following members of the class of '23 were elected to supervise the order of events at graduation:

E. A. Adams, W. E. Ames, C. A. Brantingham, P. B. Brown, C. V. Chamberlin, H. W. Dexter, H. B. Gray, Forrest Harmon, H. L. Hayden, Schuyler Hazard, J. A. Henderson, R. L. Hershey, A. R. Holden, A. L. Johnson, K. C. Kingsley, Hall Kirkham, B. P. Lane, H. D. McKinnon, L. S. McLane, G. A. Rowen, E. H. Schmitz, W. D. Scofield, A. D. Smith, C. C. Taylor, and E. J. Thimie.

SECOND LIEUTENANTS NEEDED IN THE ARMY

Examinations for Positions Will
Start June 23

A circular has just been received from Washington by the Military Science Department announcing the examinations, which commence June 23, to fill approximately 85 positions as second lieutenants in the United States Army. These positions include almost every branch of the service.

Each applicant has to undergo preliminary examination so as to enable the examiners to investigate his physical and moral record in order that no time will be wasted on those who do not fulfill the requirements in these respects.

Any person who is a citizen of the United States and between the age of 21 to 30 is eligible to take the examination, the details of which can be found in Army Regulations 605-5.

CALENDAR

Friday, March 9
5:00—Registration material due in room 3-106.
Sunday, March 11
3:00—Lecture, Old South Church.
Friday, March 23
8:00—Cosmopolitan Club dance, main hall, Walker.