A Recora of Continuous News Service for 42 Years

Vol. XLII No. 79

CAMBRIDGE, MASS., MONDAY, JANUARY 15, 1923

Five Cents

## STRATTON ADDRESSES ALUMNI AT ANNUAL DINNER

### Other Speakers are H. J. Carlson '92, Dr. C. A. Eaton, and President Lowell—Activities Present Acts

"I have met many Tech men in my experience at the Bureau in Washington, and I have never found one who failed to make good.' These were Dr. Stratton's opening words at the annual dinner of the Alumni Association in Walker Saturday evening. "I have met the students of the Institute. They are a manly bunch. They know what they want, and they will get it.

"There are several problems before you now," he continued, "and I want to help you to solve them. I have only been here a couple of weeks, so I have not been able to become acquainted with

all the problems.

"The great problem of today is the injection of scientific work into industry. The day has come when the demand is made for the solution of problems of the most complex nature. Modern industries are organizing, they are learning that the same benefits can be derived from organization as from scientific methods.

"Constantly new problems are aris-H ing from developments in industry. In FERMENTATION TOLD OF an institution of this kind we must learn to meet these problems. They are constantly becoming more and more complex, and no longer involve only the principles of one branch of industry. Knowledge of mechanical, chemical, electrical engineering are all needed for the solution of the problems arising in modern industry."

Dr. Stratton closed by appealing to the Alumni for their help and support. "Are we, as engineers," he asked "to take our information from handbooks, to rely on the work of others? We want to teach these students here to train their own brains dents here to train their own brains. This is the problem that confronts me, and I can only solve it with the help

of the Faculty and Alumni."

Refer to Technology Review

President Stratton was the last of the four speakers. The others were H. J. Carlson '92, President of the Alumni Association, Dr. C. A. Eaton. prominent in Naval Department work during the war, and Dr. A. Lawrence Lowell, President of Harvard Univers-Mr. Carlson, the toastmaster, made an appeal to the Alumni to be 14 per cent butyl alcohol. a truly valuable asset to the Institute, and not to allow themselves to become a liability to their Alma Mater, as are the alumni bodies of some of the other colleges of the country. He set the total assets of the Institute at about 30 million dollars, and said that the Alumni should be vitally interested in their Alma Mater as stockhold-

Reference was made to the new monthly Technology Review, and its added value as a monthly publication, and urged that the Alumni keep in touch with the Alumni and undergradtates of Technology through the Review. Then he emphasized the necessity for their co-operation, saying, "Dr. Stratton will put jobs in your hands. Don't say you're busy. Of course we're all busy, and only wish there were eight days in the week so we could do more. But find time, and carry the job he assigns to you through to completion, and do it a little better than he asked you to.

Dr. Eaton Speaks "The need for scientific men is constantly increasing. Leadership is up to you," stated the Alumni President. "I wish Roosevelt were alive to awaken us as only he could." Then Mr. Carlson went on to welcome the Class of 1922 to the Alumni Association, saying that this new class had the largest percentage members of the Association of any class, namely 80

per cent. He then came to the introduction of Dr. C. A. Eaton, identifying him as one of those appointed during the war to a board "to investigate why such increasing rates were being paid to shipyard workers, and such de creasing returns were being obtained."

Dr. Eaton entertained the audience through his speech with his clever sarcasm. His opening remark was a wish for success for Dr. Stratton in (Continued on Page 4.)

#### PHOTOGRAPHIC DEPT.

The call for candidates for the Photographic Department of THE TECH is issued. Men intersted leave their names in Managing Board office in Walker Memorial. The possession of a high speed camera is not necessary.

BY PROFESSOR PRESCOTT

At the tenth meeting of Course 5.94, Recent Developments in Science, held last Friday, Professor S. C. Prescott of the Department of Biology and Public Health, told of the development in fermentation processes. He took up the history of research along these lines, telling how fermentation was discovered to be a catalytic action which is bio-chemical instead of mineral in nature.

Professor Prescott described some of the industrial processes which have been invented in recent years and which are doing their share to facilitate the production of alcohols. It has even been discovered that gasoline can be artificially produced through the action of certain plant enzymes, and the acetones can be obtained from seaweed. The fermentation processes using cornmeal as its foundation produces a compound containing eight per cent acetone, seven and a half per cent ethyl alcohol, and

### TECHNIQUE SIGNUPS **GO ON SALE TODAY**

Eligible for Rush April 19

### CAMPAIGN ENDS SATURDAY the latter place.

The fact that Technique 1924 has begun its campaign is evident to every one at the Institute this which are to be on the afternoon and morning, since there are canvassers in every corridor to sell signups, which are necessary to secure Technique next spring. The signups cost ton where classes begin on the next a dollar, and are redeemable in April, upon presentation with the remain-

The annual Technique Rush will be held April 19 this year. It is required by the Technique Board that every one who takes part in the rush should hold a signup, consequently those who do not act immediately will be disappointed at the rush. Copies RADIO SOCIETY MEETING of Technique 1924 will be obtainable immediately after the rush.

Campaign Ends Saturday

The signup campaign ends Saturday. January 20, so that those who do not get their signups this week will not be able to obtain Technique in April. Any one wishing extra copies of the book must sign up for those also during the week.

Nearly all colleges have a system of part payment similar to the one here, but the selling price of their yearbooks is higher than that of Technique. The "Lucky Bag," of Annapolis, sells for \$6.00—7.50; the "Cornellian" for \$5.00; the Stevens "Link" for \$4.50; and the Amherst "Oilio" for \$4.50-5.00. The fact that Technique sells for less than these books has often been remarked upon by men transferring to Technology from other colleges.

In last year's campaign about 2100 signups were sold to a little less than 60 per cent of the student body, which is a very small proportion compared to that at other colleges. The Technique Board hopes to raise the proportion to 75 per cent this year.

# COMPLETE REORGANIZATION OF TECHNIQUE **BOARD SHOWS MANY SWEEPING CHANGES**

#### MINOR EXPLOSION JARS CHEMISTS-ONE INJURED

A minor explosion, occurring in the inorganic laboratory, room 4-251, last Friday afternoon, was the cause of general commotion throughout that floor of the building. The explosion took place in a test-tube used by W. H. Borghesani '26, which he was attempting to clean. At the report of the explosion students and professors from adjoining rooms rushed in to see what had happened.

Mr. Borghesani sustained cuts in his hand from pieces of the test-tube which had lodged there, and which were successfully removed by the Medical Department.

Instructors of the sections present in the laboratory at the time later took occasion to warn students how to avoid similar accidents.

### MANAGEMENT MAKES ANNOUNCEMENT OF TECH SHOW DATES

Premiere Appearance Outside New England at New York in March

SHOWINGS AT BOSTON, HARTFORD, NORTHAMPTON

#### Final Cuts Leave Orchestra With Twenty-Five Musicians

With the cast, chorus and orchestra already definitely picked, the management of Tech Show has announced the trips that are to be taken this spring. For the first time in its history, the show is to be given outside of New England. There will be performances given in Hartford, New York and Northampton, as well as the customry Boston ones.

It has been usual to present the ers. "It is the duty of the Alumni to make friends for Technology," he Only Holders of Such Cards will be seen first in Hartford at Par-19. The theatre has a capacity of about 1200 and was chosen in place of Poughkeepsie as arrangements could not be made for a suitable theatre in

After Hartford, the next stop is New York where there are to be two showings at the Waldorf-Astoria Hotel. evening of March 20. After the evening show there is to be a dance before the showmen take the train for Bosday. As this is the first time there has been a Tech Show in New York. the alumni there are very much interested and are giving the management their full support.

The posters for these two cities are (Continued on Page 4)

### COMES NEXT WEDNESDAY

H. J. Powers, Chief Engineer of the American Radio and Research Corporation, will be the principal speaker at the next meeting of the M. I. T. Radio Society. The meeting will be held in room 5-330. Wednesday, January 17. at 8 o'clock.

In addition to the above speaker, arrangements have been made by the society to have movies shown. The subject of Mr. Powers' talk and the title of the movies are not yet decided upon. The Radio Society extends a cordial invitation to its members and all others interested to attend.

### THE ALUMNI GREET THE MUSICAL CLUBS

C. A. Brantingham '23 On Page 2 of This Issue

### Future Boards to Be Headed By Executive Committee of Three Seniors-Effective with '25 Book

#### **ELECTIONS MADE FROM COMPETITIONS**

Following the action of the Institute Committee taken last Thursday, a sweeping change has been made in the organization of the Technique Board. The change will take effect with next year's board; this year's will remain the same. The new board will be formed entirely as the result of competitions in the various departments, as has been done in past years by other Institute publications. The future boards will be headed by three Seniors, a General Manager, a Managing Editor, and a Business Manager.

### MINNESOTANS MAKE LAST

Meet in Walker Next Thursday to Elect Officers

After failing to enlist the interests of men from their state in forming a stable organization, the temporary officers of the Minnesota Club will en-deavor for the third and final time to bring about 20 men together and form a strong association in the name of the State of Minnesota. The meeting is to take place in the east lounge of Walker Memorial next Thursday at 7:30 o'clock.

Plans to have speakers for the occasion and to afford a general entertainment are now under way. At the last two meetings of the club very few men were present, for the fact that it was very near examination time, but the officers hope that at this meeting many more will show up.

If the meeting turns out to be a

success, the officers in charge say that elections for leaders will be held and plans for the club's social activities in the near future will be dis-

### **VAUDEVILLE WITH** DANCE IN SENIOR **BLOWOUT PLANS**

#### Call in Class Talent from Musical Clubs and Tech Show

### TICKET INCLUDES GUEST

The Seniors are preparing to step out in a body! Casting to the winds the traditional sedateness associated with the Senior at Technology, the class officers voted last Friday afternoon that some of the undergraduate dues allotted to the class be spent on a grand blowout for the whole class, to be held in Walker within a month

Entertainers from Class Members of the class who have distinguished themselves by providing amusement either with the Musical Clubs or as musical artists or specialty actors will provide special entertainment, so that the party will take somewhat the form of a vaudeville performance. Short and snappy stunts are planned to especially enliven the gathering.

In order that no Senior may have any excuse for not coming to the party, a free ticket for every man in the Class of 1923 has been provided, which will also admit a lady guest. The funds to carry out the plans are being taken from the class's allottment of the Undergraduate Dues, or what has been better known to the Seniors throughout their four years here as the Student Tax.

Committee Meets Tonight At the meeting of the class officers

last Friday afternoon when the plans were initiated, the following committee was appointed to put the party across: E. H. Schmitz, chairman, Schuyler Hazard, Jr., W. D. Scofield, H. W. Dexter, Jr., K. C. Kingsley, C. A. Thomas, H. O. Tappan.

The committee is holding its first meeting this afternoon at 5 o'clock in the office of the Institute Committee. Walker, when ways and means will be discussed and plans formulated

-E Under the new organization there will be an Executive Committee consisting of the above Senior officers, ATTEMPT AT ORGANIZING and a Junior Board, comprising the editorial and business departments.

These departments are to be composed of Juniors, who will have Sophomore assistants. The editorial department is as follows: Art Editor, Athletics Editor, Grinds Editor, Photographic Editor, Portfolio Editor, and Societies Editor.

The Grinds Editor will have charge of the Faculty Section of the yearbook, in addition to his regular duties. The Societies Editor has charge of fraternities, clubs, honorary societies, summer camp, Junior week, and other Institute activities and organi-

Junior Board Decides Action

There are six positions in the business department, which are as follows: Advertising Manager, Engravings Manager, Personnel Manager, and Treasurer. The Personnel Manager is in charge of all details concerning circulation, including the signup campaign, and publicity. He also acts as special supervisor of candi-The Engravings Manager has charge of the cuts, and also has the (Continued on Page 4.)

### SIGNUP REDEMPTION DATE SET AT JAN. 18

Winter Concert Tickets May Be Had Thursday in Main Lobby

#### SIMMONS APPRECIATIVE

Signups for the Musical Clubs Winer Concert, January 26, are to be redeemed on Thursday, January 18, in the main lobby at 12 o'clock, according to the announcement made by the clubs managements. The signups, which were on sale last Wednesday The signups, and Thursday, were \$3 apiece so that another \$3, which brings the cost up to the ticket price, is all that is necessary for the final ticket to the largest function of the clubs for the winter

Starting promptly at 8 o'clock at the Hotel Somerset, the Winter Concert is to be of short duration to allow more time for the dance which is to follow the musical program and continue with Bert Lowe's accompaniment till 3 o'clock. The management feels that with the combination of Bert himself and many of his best (Continued on Page 4)

#### **CALENDAR**

Tuesday, January 16 h. Club, Faculty and Alumni 8 00 --- Math room, Walker.

Wednesday, January 17 8:00—Radio Society meeting, room 5-330.

Thursday, January 18
7:30—Minnesota Club meeting,
Lounge, Walker.

Friday January 19 8:00—Catholic Club dance, main hall. Walker.

Wednesday, January 24 7:30—Naval Architecture Society smok-er, Faculty dining room.

Thursday, January 25 00—Aeronautical Engineering smoker, main hall, Walker. 8:00-Aeronautical

Friday, January 26 8:00-Musical Clubs Winter Concert, Ho-

tel Somerset. Thursday, February 1 9:00—Catholic Clubs' Federation Formal Dance, Hotel Somerset.

Friday, February 2 8:00—Dorm Dance, main hall Walker,