Mr. Bradley Addressed Meeting of Chemists Last Night on Interesting Process.

Last night the Chemical Society of the Northeastern Section of the American Chemical Society held its annual meeting in the Northwest Section of the American Chemical Society. At 6:30 o'clock the meeting was called to order by President W. S. Weston of the Northeastern Section. The meeting was addressed by Mr. S. H. Davis in a very courteous and polite manner, and the meeting then adjourned.

SANITARY ENGINEERS.

Tech Men Aid Small Towns to Secure Improvement.

At the last meeting of the Boston Scientific Society, the president of that society, John Rich, Jr., while addressing the members, said that the subject of sanitation was one that was of great importance to all who were interested in the health of the community. The meeting was opened with a prayer, and then the business was transacted.

HAYWARD TALKS ON TESTING LABORATORY.

Mechanical Engineers Hear of Advantages of Institute Equipment.

Last evening a large audience, composed of many prominent manufacturers and users, as well as a good representation of Course II men from the Massachusetts Institute of Technology, attended the meeting held in the Massachusetts Institute of Technology. Professor Hayward, who is in charge of the testing laboratory, spoke on "The Testing Laboratory," and the meeting was opened with a short talk by the chairman, E. H. Gordon. The meeting was concluded with a demonstration of the testing equipment.

MEN WANTED TO ENTER SHOW COMPETITIONS.

Poster and Music Competitions Open Until After the "Mid-Year" Examinations.

A most interesting competition is now being held by the Tech Show management for their show, "Money in Sight." All interested in this competition may get their music and letters, which are to be set to music, at an application at the Show office. The management wishes to have more men help put the simple but snappy music into their competition. The competition does not close till after the vacation at mid-year, this being everyone's good chance to help the Show, one of the greatest institute activities.

The work of the entire Show is progressing more smoothly and rapidly than ever before, and the support of the student body, especially in the musical department, has been very gratifying. The fact that with the aid of a few more entrants in the competitions the prospect of making "Money in Sight" a record breaker is very good.

CLASS BASKETBALL.

Schedule for Freshmen and Sophomores Arranged.

Manager Scally, of the Sophomore basketball team, has arranged the following schedule:

1. February 19, 1913, Rindge School, March 9, 1913, Milton High, and possibly a game with Tufts Freshmen and Havard Freshmen.

2. Freshman team meets Oliver Ames Prep, on February 12, 1913, St. John's Prep, on February 15, 1913, and Brown Freshmen.

From these preliminary games the relative strength of the two teams can be determined. The games between the Freshman and Sophomore will take place in February, the first being on the 19th.

CORRECTION.

In yesterday's TRICH, in the article on the "was I at Leo?" entertainment, the work of Mr. J. Murray Hastings on the guitar was, by a peculiar error, attributed to Mr. J. Murray Hastings on the mandolin. The error was particularly regrettable, inasmuch as the humorous "coon song" of Mr. Hast-}

ings was one of the special features of the evening.

The name of Mr. H. G. Mann, '96, who rendered three selections in character, was not mentioned in the last number. He has been much appreciated.

Both these men deserve Weiss giving a short talk on the subject. change in temperature; moderate generally fair Saturday; not much wind, much rain expected. The weather was very rigid in his specifications. Because of the size of this production the curtian will rise at 7:45 on the evening of "Louise" is sung. Mme, Laetitia Tetrazzini will be heard in the title role in "Louise" this afternoon. This is Mme Tettazini's first appearance of the season.

On Monday evening Miss Garden will make her last appearance of the season in Thal.

The "Tales of Hoffmann" will be sung for the fourth time. This renders the subscription performances. The Saturday evening opera will be "Traviata." Tickets for this piece will be half price.

WEATHER.

Forecast for Boston and vicinity: Generally fair Saturday; not much wind, much rain expected.
Y. M. C. U. INVITES ALL TECH MEN TO RECEPTION

Mr. Frank J. Locke, M. L. T., '86, Anxious for Large Attendance.

The secretary of the T. C. A. has received a letter from the President of the Boston Young Men's Christian Union. Frank J. Locke, '86, cordially inviting any Technology men that may arrive in the city during vacation to attend an informal reception in the Union, 40 Huntington street, on Christmas Eve. The Entertainment Club and the Union Orchestra are ready to give a program.

Mr. Locke is an active alumnus of the Institute and is very much interested in the T. C. A. He is anxious to have as many Technology students as possible come into touch with the Y. M. C. U. There are many members of the Union, who can be helped by meeting and talking with Teel men, and Mr. Locke feels that this is a chance for some very practical social service.

Any man who can attend this reception should not fail to meet Mr. Locke himself, who is especially interested in Tech men, and who always keeps himself posted through the Y. M. C. A. secretary and others in regard to affairs here at the Institute.

COMMUNICATION.

Many of you fellows who read THE TECH are leaving this afternoon to spend a very short but happy Christmas vacation at home or elsewhere. You will be gone for a week, during which time studies and all such things will be far from your minds.

As to vacation, the management of Tech Show extends its best wishes to every man for a very Merry Christmas and at the same time a happy holiday. While away, however, do not completely forget the Music and Poetry Competitions for the Show, and put a little thought on these two subjects.

Quite a few men are out for both of these competitions, but there is still room for more. The lyrics seem very easy to write and the music should not be a very hard thing to compose. For the competitions of those who write and those who write and sing, the lyrics may be obtained from Stage Manager Charles P. Fiske at any time in the Show office.
Hayward Speaks.

(Continued from Page 1, Col. 2.)

The men employed are not of great intelligence, and are inclined to be very narrow, due to the fact that they are constantly working on the one material manufactured by that particular firm.

Another class of testing laboratories is a combination of the first two. These are equipped both for practical tests on materials and for research work. In these much valuable data is obtained and made use of in the manufacturing processes.

The Cincinnati Testing Laboratories form another distinct group, being arranged for special work, such as testing laboratory to perform tests of every conceivable kind. The speaker provided much interesting and comment by citing local conditions and experiences here at the Institute testing laboratories. He said that many engineers request the institute to make tests just at the time when the men can devote least time to it. He urged the engineers to prove their specifications to be tested in the fall when a large number of men can do the work.

Professor Hayward laid considerable stress on the practicality of investigating or testing cement products. He emphasized the fact that the slightest flaw will cause a resulting test which will misrepresent the actual quality of the material manufactured by that particular firm. Furthermore, that the forces acting on the particles diminished rigidly with the size. This separation by means of electric discharge conquers this difficulty, for the regulation of very small particles is great enough to cause them to settle out quickly on the metal pipe through which the cloud of dust is being blown.

After explaining why the electric discharge is able to make the particles fly to the discharging electrode, he went on to demonstrate the way the actual apparatus works. He placed a grounded iron pipe, about eight inches in diameter, and five feet long. A wire under a potential of many thousand volts occupies an axial position in the tube. The gas with the suspended particles (ammonium chloride) enters near one end, and when the discharging electrode is passed, the cloud of smoke falls to the tube from the tube. Owing to the fact that a direct current under a potential of only 18,000 volts is available last spring, the complete precipitation of the smoke was impossible, but to make up for that he showed by some slides that excellent results that have been obtained in practice. In a sulphur and lead manufacture it was possible to completely condense and save all the extremely exiguous sulphuric acid mist that had been created by other methods. In a similar way in the West it prevents the escape of a large amount of available potential of many thousand volts.

Chemical Society.

(Continued from Page 5.)

Tradition.

Tradition wears a snow-white beard, and has the wisdom of experience.

The pipe is a college tradition. Fill yours with 'Velvet'.

and you will endorse the dictum of your predecessors.

Velvet the choicest growth of Burley leaf is mild, rich and satisfying—yet withal inexpensive.
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SOMETHING
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MAJESTIC THEATRE
Topiol at 8
Mattisse Wed. & Sat at 2:30
Julius Caesar

SHUBERT THEATRE
Wed. and Sat. Mattisse at 8:15
GABY DESLYS
in "The Whirl of Society"
WILAL JOLSON

THE CHOCOLATES
THAT ARE DIFFERENT
FOH SALE AT THE UNION
SOMETHING
NEW CONTINUALLY,
Richard's School of Dancing
Class Night Monday 7.30 :: Seats 8.30
Private Lessons by appointment daily. See the Stage and see Boston, the latest rage in Paris and New York. See the On Tap. TILL-DOWN. Back Bay 9000.
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FACULTY NOTICE.
The examiners of the Institute will be summoned during Christmas week. December 22 to 25th, inclusive.
A. L. MERRILL,
(Signed) Secretary.

FACULTY NOTICE.
Third year problems in Physics, Heat are returned now in the base-
class. Please apply at the Union office and receive reward.

FOUND—A watch. Please apply at the Bursar's office. F. H. RAND, Bursar.

LOST—Slide rule in red leather case. Initials A. S. B. on lap of case and on rule. Reward at Cage for finder.
F. H. RAND, Bursar.

BRILLIUN MONDAY, December 22, the Bursar's office will be open daily for the transaction of business from 9 A. M. to 1 P. M.
P. H. RAND, Bursar.

LOST—in Rogers Building on Thursday evening, a lady's gold bracelet. Finder please return to Tech office and receive reward.

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