W. Anderson of the Mass. Public Service Commission in detail some of the testing processes employed.

Mr. Eddy has recently been elected Chairman of the C. E. department and Mr. George W. Anderson of the Mass. Public Service Commission will discuss "The Railroad Situation." Mr. H. P. Eddy, of Metcalf and Eddy, is also to speak. Mr. Eddy has been elected President of the Boston Society of Civil Engineers, and will discuss "The Problems of a Consulting Engineer."

The committee in charge desires that all members secure tickets by May 16th, as the hotel management must know the exact number coming. Tickets may be obtained from the officers of the club or from the treasurer, Frederick W. Mansfield.

The Catholic Club will hold their annual banquet at the Hotel Thorne, tomorrow evening. The Tech crews start today on the last lap of their training for the first of the class races which come on Saturday. There will be three races on that day with a possibility of a fourth. The first, which will start at 4 o'clock, will be between the freshmen and the sophomores. The second between the juniors and the seniors, and the third between the freshmen and second freshmen crews. The course will be the regular one-mile intercollegiate from Cottage Farm Bridge to the Harvard Bridge, finishing on the easterly side of the bridge near the Boston side.

From the forms displayed by the crews of late the winners in the different races are a toss up. In the time trials the crews have been making the pull over the course within two or three seconds of each other. In the first race the sophomores ought to be about on a par with each other. The freshmen are the winners this year's champs and also have a slight edge in weight and strength. In the freshmen boat McAdam, the single and stroke of last year's Rindge Technical crew, will stroke; Brooks, formerly of Roxbury Latin, will row third, and James Dunnish, also of last year's Rindge crew, will be at two; Toye, another Rindge man, will be bow; and Cary will handle the line.

(Checked Out on Page Four)

Catholic Club

The Catholic Club will hold their annual banquet at the Hotel Thorne, tomorrow evening. Mr. Jerevald O'Neil of the Mechanical Engineering Department will be one of the speakers while the other is to be State Treasurer Frederick W. Massafeld. This will be the last meeting of the year and hence the result of the election of officers is to be announced. The cost of the banquet is $3.50 per plate and tickets may be obtained from the officers of the club or from J. J. Hickey, J. P. Pushar, and J. A. Gargan.

FROM COMMITTEE MEETING

There will be a meeting of the Junior Prom Committee in the Union at 5:00 p.m. today. A full attendance is desired.

CIVIL ENGINEERING SOCIETY LUNCHEON

Inspection of Cadet Regiment Tomorrow

Efficiency of Cadet Regiment To Be Judged by Army Officer.

The Cadet regiment will be inspected tomorrow by Capt. S. J. R. Schindel of the General Staff of the United States army. As it is absolutely essential that all the men be present, no one will be excused. Men who are physically unable to drill must be present in full uniform although they need not remain with their companies after the roll is called. As the general appearance will count greatly, Major Cole requests that every man have his uniform and equipment in the best possible condition. The report of Captain Schindel will determine the standing of the Institute in military training.

On Friday evening, May 13th, the annual prize drill of the Regiment will be held in the Armory. Tickets may be obtained from the first sergeants at twenty-five cents each.

SECOND BASEBALL GAME OF INTERCLASS SERIES

Freshmen and Sophomores Will Play Thursday Afternoon at Tech Field.

The second game of the series between the Sophomores and the Freshmen will be played this Thursday afternoon at four o'clock at the Tech Field. This game comes after the first game eight to six but this by no means indicates that the second game will be a walkover. Both teams can boast of good material, but lack of practice has hindered them from making the material into a finished team. As the situation stands now the two nines are about on a par with each other. Both teams are trying out combinations to strengthen their weak points. So it would be hard to say how the game will come out. It is likely that the Sophomores will try out the lineup fixed up for the English High game. They will have a new man, Grotholma, in the catcher's position and Toye, will cover short while Merrill will be shifted to third.

From appearances the Freshmen will start the game with practically the same nine as in the first game lineup providing Gardner's hand is in shape. Tickets can be had for members of both teams for twenty-five cents each.

MUSICAL CLUBS DINNER

Annual Banquet At Copley Sq. Hotel Tomorrow Evening.

The annual banquet of the Musical Clubs will be held at the Copley Square Hotel on tomorrow evening, May 6th. There will be a short business meeting before the banquet, this meeting starting at 4:45 p.m. This will be an important one as the new Constitution will be voted upon. The banquet will be strictly informal. There will be several pictures which are uncalled for, and may be obtained tomorrow night.

AUTO MANUFACTURE

Talk Illustrated With Movies And Stereopticon.

Today at 4:00, under the auspices of the M. E. Society, there will be a lecture upon automobile manufacture by Mr. R. P. Coburn, in Huntington Hall, illustrated by moving pictures and by photographs. The particular case to be described is the Maxwell. Mr. Coburn will follow the manufacturing process from start to finish, showing in detail some of the testing processes for machine parts and quality of material.

The talk will last about one hour and a half. All who are interested are invited to attend.

The Catholic Club will hold their annual banquet at the Hotel Thorne, tomorrow evening. The Tech crews start today on the last lap of their training for the first of the class races which come on Saturday. There will be three races on that day with a possibility of a fourth. The first, which will start at 4 o'clock, will be between the freshmen and the sophomores. The second between the juniors and the seniors, and the third between the freshmen and second freshmen crews. The course will be the regular one-mile intercollegiate from Cottage Farm Bridge to the Harvard Bridge, finishing on the easterly side of the bridge near the Boston side.

From the forms displayed by the crews of late the winners in the different races are a toss up. In the time trials the crews have been making the pull over the course within two or three seconds of each other. In the first race the sophomores ought to be about on a par with each other. The freshmen are the winners this year's champs and also have a slight edge in weight and strength. In the freshmen boat McAdam, the single and stroke of last year's Rindge Technical crew, will stroke; Brooks, formerly of Roxbury Latin, will row third, and James Dunnish, also of last year's Rindge crew, will be at two; Toye, another Rindge man, will be bow; and Cary will handle the line.

(Continued on Page Four)

CATHOLIC CLUB

The Catholic Club will hold their annual banquet at the Hotel Thorne, tomorrow at 6:30. Mr. Jerevald O'Neil of the Mechanical Engineering Department will be one of the speakers while the other is to be State Treasurer Frederick W. Massafeld. This will be the last meeting of the year and hence the result of the election of officers is to be announced. The cost of the banquet is $3.50 per plate and tickets may be obtained from the officers of the club or from J. J. Hickey, J. P. Pushar, and J. A. Gargan.

TICKETS FOR LECTURE TO BE OUT THIS NOON

Illustrated Lecture on Canal To Follow Cosmopolitan Club Meeting.

This noon the tickets for the illustrated lecture on the Panama Pacific International Exposition will be placed at The Cage and at the office of The Monthly. The tickets are free and for today and tomorrow may be secured without a pass. After tomorrow, outsiders may secure tickets free of charge.

A great deal of interest is manifested in the lecture by outsiders, and for this reason the Monthly has decided to reserve the tickets for these two days until all the undergraduates are supplied.

Mr. Byron L. Lott, the lecturer is from San Francisco. He will be here with his own stereopticon lantern and an experienced operator.

The lecture will start at eight o'clock, thus giving time for the Cosmopolitan Club Meeting and elections which will take place at six o'clock. Students who wish to bring their friends may secure tickets for them at the same time they obtain their own.

REV. TREXLER HERE

Rev. Samuel G. Trexler, who is the student pastor of the Lutheran church, will be at the T. C. A. office from 12 to 1 today to talk with any students who desire to meet him. Mr. Trexler has visited the Institute before, as some of the students may remember.

WEATHER

For Boston and Vicinity: Probable showers today; Fresh southerly winds.

CALENDAR

Tuesday, May 6, 1914.

12:00—Tickets for Saturday's Lecture at the Cage.

12:00—T. C. A. Office.

12:35—Meeting. Copley Plaza.

3:00—F. M. Movies. Huntington Hall.

5:00—Junior Prom Committee.

6:30—Junior Prom Committee.

6:30—Junior Prom Committee.

WATERTOWN TRIP

Men in this afternoon's section in the Junior Prom Committee will visit the plant of the Walker Prate Mfg. Co. in place of the regular class. The plant is in Watertown, and is reached by taking the Cambridge subway to Harvard Square, and then transferring to a Newton-Watertown car.
To Prevent Dust Explosions.

The growing use of electricity in mines, not only for traction, but also for working coal-cutting machinery, signaling, pumping, etc., means that sparking will be more frequent than in the past, especially as, under the three-shift system, with the consequent ever-increasing output of coal, every piece of machinery has to work continuously and at higher speeds. It, therefore, becomes more than ever necessary for coal dust to be kept down in mines if disastrous explosions are to be avoided. The second series of tests was made at Washington Colliery, County Durham, a few days ago, of a new treatment of coal dust designed to minimize colliery explosions from the known effects of atmospheric pressure and coal dust particles. The treatment, which was subjected to demonstrative tests in the presence of a number of experienced colliery managers, and was pronounced successful, consisted in spraying the roof, side, and floor of the mine with a viscous liquid, into which the dust particles will stick. It must be converted into a pasty mass from which it cannot be separated, and must not dry at ordinary temperature, and it exposed to high temperatures ought to cake and not fall to powder. In short, a particle of coal dust once seized must never be able to float away again. This substance, in reality two substances that will dissolve in each other in so remarkable a way as to supplement each other's qualities, forms a colloid which is viscous and does not dry or alter at 113 degrees F. in an atmosphere dried by a bath of concentrated sulphuric acid; and at red heat it cakes. To give the substance more body and to show at a glance that no dust has been formed, a mixture of peroxide of hydrogen and potassium carbonate is added. A mining and chemical engineer has developed a sprayer which is simply fixed to the vessel containing the material, and at the same time seized by the liquid. The method suggested is claimed as one that will afford absolute safety from coal-dust explosions. Even the consequences of short-circuiting would, it is suggested, be considerably diminished, and fires would be localized.

Electric Traction in Mines.

Electric traction in mines is making great headway in this country. A track gauge of eighteen inches or twenty inches is usual, the weight limit for locomotives varying from three to six tons, and their speed from four and one-half to six miles per hour. These locomotives, being made to run on very small radius curves, have a short wheel base and a long overhang from axle to coupling, which necessitates a coupling with a good deal of lateral motion (Continued on Page Three)
CHEM. SOCIETY TO HEAR TALK BY PROF. TALBOT

Meeting in Union on Thursday—Subject Will Be On Chemistry.

On Thursday night of this week in the Union Dr. Talbot, head of the Chemical Department at the Institute, will give a talk to the Chemical Society on Chemistry.

Therapeutics is a branch of medical science which deals with the composition and application of remedies for diseases and chemotherapy is the scientific, systematic research after remedies for specific diseases. If a remedy is sought after by scientists for a certain disease, under the present system, it can be found by elimination, sometimes a long process, but successful in the end. The tendency of certain drugs are often indicative of what may be expected of them in allied diseases.

Dr. Talbot will deal especially with the discovery and properties of the specific remedy "606" and will tell of the application of the principles of chemistry and science to its discovery.

The meeting will be at 8.30 and all members and others interested are urged to attend.

LOST


ENGINEERING AND SCIENTIFIC NOTES

(Continued from Page Two)

to avoid derailing the cars on sharp curves, especially if couplings are of the automatic type. Although three-ton locomotives will run on twelve-pound or sixteen-pound rails, it has been found more satisfactory to use twenty-five pound rails, as the track keeps in much better shape, it is easier to maintain the bonding in good order, and fewer derailments from dirt on the track occur with the larger rails. The voltage is between 250 and 275 volts, and the trolley wire should be protected, to prevent accidental contacts, in front of chutes and at all points where it is low. With the air lacking somewhat in oxygen and the heat and high humidity prevalent in many mines, this voltage, which is considered perfectly safe, has proved fatal in several instances. The trolley wire should be protected from dripping water, especially if the water is acid, as instances have occurred where a very small drip has cut a trolley wire in less than three weeks.

ARCHITECTS MEETING

The Boston Society of Architects will hold its May meeting and dinner tonight at the Copley Plaza Hotel at 6.30 p. m. The result of the Rotch Travelling Scholarship will be announced and the prizes offered by the Society to the students of M. I. T., Harvard University and the Boston Architectural Club will be awarded.

OVERSTOCKED

We Dislike to Admit It — But We are Always Open and Frank in Our Dealings

No need to tell you of the backward Spring and the general business depression—leaving us with an immense stock of woolens on hand — none of which — with the exception of the plain blues, blacks and grays — we can carry over — and must close out.

We'll make large sacrifices to turn these into cash. Come in now — get first choice—you'll be able to get made to order—by our best standards—to meet prices asked for “ready made” clothing.

BURKE & CO., Inc.
TAILORS

18 School St. 843 WASHINGTON ST. Harvard Square
ANDOVER, MASS. HANOVER, N. H.
Cosmopolitan Club
Nomination's Closed

Elections to be held at the Annual Supper on May Ninth.

Since the nominations closed yesterday, the final list of men nominated for officers of the Cosmopolitan Club has been completed. The elections are to be held at the annual supper in the Union Saturday, May Ninth. Every member of the Club who wishes to vote must be present at this supper, since it is impossible to vote by proxy. The final list of nominations is as follows:

President:
H. A. Altman, '16.
F. E. Stern, '15.
First Vice-President:
Te Chun Hsi, '16.
Gustave A. Saladrigas, '16.
Second Vice-President:
Rudolf Beaver, '16.
Francis C. Foote, '16.
Joaquin R. Masferrer, '17.
Eduard E. Tuttle, '15.
Takang Kao, '16.

Treasurer:
Alfred E. Hall, '15.

Secretary:
Eduardo M. Selli, '16.
Joao R. Mascarenas, '15.

Assistant Secretary:
Te Chun Hsi, '16.
Gustave A. Saladrigas, '16.

Copley Square Pharmacy
Established 1887
THOMAS F. GALVIN, Prop.
136 Tremont St. Boston

Top Hats
The Original
TECH BARBER SHOP
585 Boylston Street
Copley Square

Rolling His Own

America is the land of self-made men. It is characteristic of Americans to rely on their own efforts—do things for themselves. The millions of “Bull” Durham smokers are of this energetic, self-reliant, American type in all walks of life. These men like to make their own cigarettes, to their liking, from ripes, mellow, “Bull” Durham tobacco—prefer these cigarettes, made by their own hands, to any ready-made kind they can buy.

Genuine “Bull” Durham Smoking Tobacco
(Enough for forty hand-made cigarettes in each 5-cent pack)

Particularly notice the unique and pleasant aroma of “Bull” Durham. It is as distinctive as “Bull” Durham as the cocked hat is to Napoleon.

The “Bull” Durham aroma is produced by a secret process known only to the makers of this tobacco. You get this delightful fragrance only in “Bull” Durham.

FREE
An Illustrated Booklet showing how to “Roll Your Own,” and a Box of cigarettes, postage paid, will both be mailed free to any address in the U. S., on post card request.

The American Tobacco Company
Boston, Mass.