SOCIETY OF ARTS
Hear Lectures

"Improvements in Charles River Basin," Subject of Talk

BENEFITS DISCUSSED

Sectional View of Dam and Works Showed by Excellent Lantern Slides

"Improvements in Charles River Basin," was the subject of an interesting talk by the Huntington Hall of Miller's Charles River Basin Com mission, to the members of the Society of Arts last evening, in Huntington Hall. The talk was illustrated by a number of excellent lantern slides, showing sectional views of the dam and the works.

Mr. Leland has discussed the various engineering problems presented by the project, having to do with the river, which were met, and Secretary Youngman told of the beneficial results expected from the undertaking.

The dam will be of vast size when completed, extending from half way to well carrying a roadway connecting the Charles River Boulevard and the boule vard on the Boston side of the river. The project is unique, being similar to the Elgin and the lagoon of the World's Fair at Chicago. Tests will be made on the embankment on the Cambridge side for motor boats and small craft, and another on the Boston side for larger craft.

The dam will keep the water at con stant level and will facilitate the expos ure of the mud flats.

The dam and embankments have been designed in such a way as to assure ample space for the enrichment of Boston's already magnificent park system. The basin will afford one of the best courses for canoe races in the country, besides affording an opportunity for canoeing and boating during the summer, and skating in winter, so as fresh water has replaced the salt.

PROF. LELAND WRITES

"Roller Accessories" Added to Correspondence Course

Prof. Walter S. Leland, of the Naval Architecture department, has published a "Roller Accessories," which has been added to the home study series of the Institute of Correspondence. The work takes up its subject from a practical point of view, giving well arranged descriptions of the various details of modern boiler roller systems.

The subdivision of the subject treated includes such topics as boiler construction, draft, gauges, feed and blow-off apparatus, safety valves, piping, and water supply. About 80 pages are devoted to the operation and care of boilers, and considerable information is presented concerning feed water and feeds.

NAVY IS THE SUBJECT

"With the Fleet Around Cape Horn," was the subject of a most interesting talk by Mr. James B. Comly, the well known Boston correspondent of the members of the Technology Club last evening at the third smoke talk of the season.

Mr. Comly was well qualified to speak on this subject, having just returned the fleet on its trip around South America and his account of the varied experiences of the voyage, together with stories of the men in general, was enjoyed by more than a hundred members and their friends.

ELECTRICALS MEET TONIGHT

Louis A. Ferguson of the Chicago Edison Co., will be the Speaker

TRIP TO FORE RIVER

Battleship North Dakota, and Ship Yards Visited at Last

Tomorrow evening, the Electrical Engineering class will hold its final meet ing for the term at the Union. Dinner will be served at 6:30. Louis A. Ferguson, vice president of the Chicago Edison Co., and president of the A. I. R. E., is the speaker of the evening.

This is the first of three dinners that will be arranged, as they were last year, through the efforts of Prof. D. C. Jackson, the financial part being taken entirely by the students for the purpose of those whose names have not been given.

The Fore River ship yard was visited by the Electricals on their second excursion. Through the courtesy of Rear Admiral Bowdler, president of the Fore River Co., prices were arranged for the students to accompany thirty men to inspect the plant on Thursday, Friday and Saturday of last week. A number of the students accepted the opportunity and spent a day and a half on the grounds. The ship yard house, power house, molding and casting rooms, and among the hulls of small steamers and submarines. The Salem "North Dakota," was unfortunately closed to the public, but the boilers and turbines for the vessel were seen in operation. Near the machine shop.

A third excursion is being arranged by the Program Committee of H. S. Osborne, P. F. L. and Capt. C. T. Williams, for the next week. Announcement of this will be made at the next meeting.

RECTIFIER TESTED

Invention Satisfactory According to Test by Electricals

The alternating current rectifier, invented by the Institute and which has been under test in the laboratories of Harold G. Crane and Waldo V. Lyons of the Electrical Engineering depart ment, is now being tested with the purpose of coming to the market soon.

The rectifier has been found satisfactory for use as a current for heating the economy invention over the mercury arc machine, has already made it popular; several orders have been given in advance.

STEAM TABLES REVISED

Professor Berry Adds Many New Valuable Chapters

In bringing out the second edition of his "Temperature-Entropy Diagram," Prof. Charles W. Berry has more than doubled its size. The revised work con tains additional chapters on Moller's to mographs-entrap-py diagrams, thermodynamics of mixtures of gases, the effects of compression of gases, refrigerating processes and the warming engine. Considerable space is devoted to irre versible heat engines and the principles due to throttling and the design of engines. The new book as it stands requires a good working knowledge of the entire scope of pure science, but contains material of such value as to make it welcome to all who have not previously had an opportunity of studying its conditions treated within its pages.

FUTURE HEAD OF INSTITUTE WILL ADDRESS STUDENTS AT CONVOCATION

May Discuss Policy

Resignation as Physics Head at Columbia Accepted—Comes Here May 31st

Technology students are soon to hear their new president speak. On Tuesday, May 31st, Prof. Maclaurin will address the Institute at a convention in Huntington Hall. Whether this convocation will be held during the noon hour or at 4 o'clock, is not as yet certain. What will be the subject of Dr. Maclaurin's talk is not known.

In the evening of the same date a special faculty dinner may be held in the Union to meet President Maclaurin.

This will be the first opportunity that Technology has had to hear the newly elected president make a speech on a matter of interest to all students of technology. It is said that Mr. Maclaurin will say something about his future policy in connection with the Institute. It is certain that every man will be vitally concerned in this matter.

'Another result of the reunion was the retirement of Mr. Frederick H. Fay as general manager of the Institute. Mr. Fay has been associated with the Institute for many years and has been with the Institute when its location was New York, Chicago, and Boston. Mr. Fay is now going to be the Director of the Institute of Technology at Chicago, a position he has accepted.

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