

AMUSEMENTS

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ORPHEUM

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COURSE II ALSO.

(Continued from page 1.)

Professor Lanza says in regard to this, "We need a stationary plant for testing locomotives. There are several such plants in existence, and, while we frequently make investigations by means of road tests of locomotives, such a plant would enable us to increase very much our usefulness to the engineering public."

This plant will probably be installed as soon as more space is given for the use of the mechanical engineering laboratories.

Besides the gifts already mentioned are the following:

A complete set of blue prints of locomotives by the Baldwin Locomotive Works and the American Locomotive Company.

Considerable valuable literature by the following concerns: The American Locomotive Company, the Baldwin Locomotive Company, the Crosby Steam Gauge Company, the Carnegie Steel Company, the Draper Company, the Jones and Laughlin Steel Company, the B. F. Sturtevant Company, the Walworth Company, and the D. R. Wood Company.

Valuable modern apparatus for use in connection with the work in the drawing room by the Pilschberg Machine Tool Company, the B. F. Sturtevant Company, and the Napier Company of America.

There is considerable investigation into various industrial problems now going on in the mechanical laboratories, many of the investigations of modern engineering problems being of very considerable value to the engineering and industrial public.

Among the investigations into the friction of gases in pipes and through orifices there are three experiments now being carried on, one on the friction of air flowing in pipes, and losses due to elbows and bends being very valuable owing to the fact that the amount of experimental data available on this subject is very small.

Another is an investigation of the flow through orifices of steam with different amounts of moisture, under small differences of pressure.

The other is Professor Church's investigation being carried on as a subject

for an advanced degree thesis, being the determination of the velocity and energy of a jet of steam issuing from a flared nozzle.

Added to this regular research there is of course every year the regular thesis work of the Seniors, some of which is very valuable and interesting. Among the striking work done by members of last year's graduating class, being continued this year is the investigation of locomotive driving springs and the investigation upon reinforced concrete beams.

There will probably be more work done on the investigation of the effect of water upon the fire-resisting properties of brick and the investigation of the variation in the angular velocity during one stroke of a reciprocating engine.

SHOW PROGRESSING RAPIDLY.

It really sounds like something now when the chorus sings over the songs for the new show. They have just begun to sing the different parts, and under the leadership of J. M. Floekton, are rapidly getting into shape. The dancers are rehearsing daily, although they are not yet definitely picked.

At the rehearsal last Friday, General Manager Dewey read the petition of the Tech Show to the Faculty relative to the granting of an extra vacation period in April, and it was received with enthusiasm, which left no room for doubt as to the attitude of the members of the Show in regard to it.

The rehearsal of the principals Saturday was given up to special drill in each individual act. By this time most of the actors know their parts and, with the assistance of K. Greenleaf, assistant stage manager, as prompter, the rehearsal went along smoothly.

In addition to the provisional cast J. J. Higgins has been selected to take the part of "Norah."

TECH MEN GET OFFICES.

At the 12th annual dinner of the Mechanic Arts High School Alumni Association at the Quincy House last Thursday, J. W. Howard 1903, instructor in civil engineering, was elected president; H. K. Spencer 1909, secretary; and H. M. Davis 1911, to the executive committee.

The Technology Review

A QUARTERLY MAGAZINE
DEVOTED TO THE INTERESTS OF
THE MASSACHUSETTS INSTITUTE
OF TECHNOLOGY

AND
PUBLISHED BY THE ASSOCIATION
OF CLASS SECRETARIES

83 NEWBURY STREET, BOSTON

The Review aims to develop closer relations among Institute men and to stimulate their interest in the work of the College. It is in no sense an engineering magazine, but deals broadly with the problems of Technological Education and the responsibilities of the professional man.

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