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PROF. JACKSON SPEAKS ON LOSS.

Tales to M. A. & S. Club at Union.

Before thirty members of the MacKay A. & S. Club held at the Union Monday evening Professor Douglas G. Jackson gave an account of the losses of energy in manufacturing processes.

He began with the development of the steam by Watt, and passed in turn to the introduction of the condenser, the development of the new steam process for steel rails, the passing of the Bowser process and the development of electric car motors by Sprague and Edison, introduction of various safety devices, development of electric lighting, and invention of first incandescent lamps.

An efficient lighting engineer should provide four, five, or six feet of illumination per square foot of the floor.

SPLITTER CLASSIFIED.

Dr. H. W. Shaler, of the geology department, is making a catalogue of all the flora of North America, classifying them by localities and species. This catalogue, which is major and will eventually be enlarged to embrace all the species of the world, is to be used as a basis for the courses in index fossils.

CHEMISTRY THESIS ASSIGNED.

Several seniors started on investigations, practical and theoretical.

From this long list of possible subjects for thesis in the chemical engineering department, the following have been designated:

1. Industrial chemistry—study of the Osaka recovery of bromine from the chemical by-products of the Osaka Chemical Company, Lawrence, Masse.
2. Chromatography of the chemical processes under the direction of Prof. T. S. Milliken of the chemistry department.

For the solution of dry oxygen in mixed liquids, the theory of the solubility of oxygen by John W. of the chemistry department, under Dr. H. W. Shaler.

For the investigation of the decomposition of industrial fuel oil by a process involving hydrogenation, by Arthur T. Beekley of the chemistry course, under Dr. J. J. Goodyear.

For the solution of dry oxygen in mixed liquids, the theory of the solubility of oxygen by John W. of the chemistry department, under Dr. H. W. Shaler.

The results of the work of Mr. C. H. Clapp of the geology department on the clay deposits of the United States have been published in the fourth biennial report of the New York Geological Survey. He is now at work on the results of his work in Essex County.

SPECIAL REDUCTIONS.

Dr. W. C. Crowley has returned from Mexico, where he has been engaged in private work since August. He returned by way of Panama in order to see the recent event on the isthmus. He went by balloon and was on the New York, Metropolitan Water Board.

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TIC: THURSDAY, DECEMBER 26, 1902

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