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# Photocells for Laboratory Use

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Large groups of students have been used whose physics intelligence coefficients were known. Part of the group has been used to hear the lecture while the rest were writing an examination over laboratory work in another part of the building. The results are very disquieting for those who have deep faith in the lecture method.

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## OPERATING CHARACTERISTICS OF VAPOR-TYPE VACUUM PUMPS

L. E. PINNEY

Pumps using mercury, n-butyl phthalate, and Apiezon oil have been tested for effectiveness against various fore pressures. Special designs have been worked out for use with Apiezon oil.

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## PHOTOCELLS FOR LABORATORY USE

L. E. PINNEY

Cells having various types of composite coatings have been prepared. Particular attention has been given to better insulation and greater stability than is found in commercial cells.

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