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## Some Laboratory Experiments That Can Be Better Performed in the Library

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ordinary cylindrical chamber were made. Measurements were made by photographically recording  $\alpha$ -particle currents in an ionization chamber, amplified by FP54 vacuum tube system.

DEPARTMENT OF PHYSICS,  
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IOWA CITY, IOWA.

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SIMPLE LECTURE EXPERIMENTS IN A COURSE IN  
MODERN PHYSICS

JOHN A. ELDRIDGE

It is maintained that illustrative experiments are as necessary in introductory courses in modern physics as in the elementary general course. These experiments need not be elaborate. Experiments given at the University of Iowa are described.

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SOME LABORATORY EXPERIMENTS THAT CAN BE  
BETTER PERFORMED IN THE LIBRARY

C. J. LAPP

Using matched groups of students, experiments have been performed on the relative learning over specific skills in physics of groups working in a library vs. a similar group working in the laboratory. Several distinct cases stand out in which the library method appears to be the more effective.

DEPARTMENT OF PHYSICS,  
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ON THE EFFECTIVENESS OF LECTURE  
DEMONSTRATIONS

C. J. LAPP

A long series of experiments have been performed in an attempt to learn the effectiveness of lecture demonstration experiments.