

**PRACTICAL WORK IN
PHYSICS FOR USE IN
SCHOOLS AND COLLEGES.
PART III. LIGHT AND SOUND**

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Practical Work in Physics for Use in Schools and Colleges. Part III. Light and Sound by W. G. Woolcombe

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W. G. WOOLLCOMBE

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Practical Work in Physics

FOR USE IN SCHOOLS AND COLLEGES

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BIRMINGHAM

PART III. LIGHT AND SOUND

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'Form, Light, and Sound is the physical triad on which are
based all our aesthetic perceptions.'

PREFACE

AN essential feature in the four parts of *Practical Physics for Schools and Colleges*, of which this is the third, is to offer a fairly complete experimental course in the ground covered at but a trifling cost. The apparatus required is inexpensive, and may be readily obtained or easily made from the ordinary stock of a Chemical Laboratory. In addition to what is stated in the Introduction to the first part, it may be remarked that the subjects, here treated of, do not appeal so much to the student's power of observation as to that of his judgement. In most of the experiments in Light he has to decide what is to him the most definite image of an object, in Sound what the nearest approach to unison between two musical notes. In the latter case accuracy depends chiefly on his physiological perception of tone, which varies considerably in different persons. In the author's experience only five per cent. of the students he has had to deal with have so little 'ear for music' that the experiments in Sound for them are not possible.

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September, 1896.

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