

**LABORATORY EQUIPMENT FOR
PSYCHOLOGICAL EXPERIMENTS.
VOLUME THREE OF A SERIES OF
TEXT-BOOKS DESIGNED TO INTRODUCE
THE STUDENT TO THE METHODS AND
PRINCIPLES OF SCIENTIFIC PSYCHOLOGY**

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Laboratory Equipment for Psychological Experiments. Volume Three of a Series of Text-Books
Designed to Introduce the Student to the Methods and Principles of Scientific Psychology by
Charles Hubbard Judd

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BY

CHARLES HUBBARD JUDD, Ph.D.

*Professor of Psychology and Director of the Psychological
Laboratory at Yale University*

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PREFACE

The description of exercises given in Volume II of this series was of set purpose dissociated from the description of apparatus, in view of the fact that the same laboratory exercise may be tried with a very great variety of different kinds of material aids. These material aids can be mastered by the student very much better in the presence of the apparatus than through any written description. After he has mastered a given piece of apparatus he should be called upon to give a description of the construction and working of the apparatus in his report. The present volume is, accordingly, not designed primarily for the student. If the student is called upon to prepare his own apparatus as well as work out the exercises, this book will be of advantage to him; it may very properly be used therefore, by graduate students who are preparing to teach the subject. Its chief function, however, will be in offering suggestions to those who wish to give demonstrations or to teach laboratory courses.

No large expenditure of funds is necessary in order to secure a sufficient equipment with which to conduct a course in experimental psychology. The apparatus necessary for this course can with a few exceptions be constructed with the aid of carpenter's tools. Full lists of apparatus are given on pages 243 to 249. The Yale Psychological Laboratory is prepared to supply all of the necessary

pieces of apparatus for this course to any one who may wish to purchase them. Correspondence is invited from any who wish to make purchases, and a detailed price list will be mailed on application. If modifications of designs furnished are desired, these modifications will be introduced wherever it is possible, at the direction of the purchaser. In general it is so highly desirable that the equipment of small laboratories for demonstration and practical laboratory courses be promoted, that one of the important functions of the Yale Laboratory in connection with its graduate work is the provision of material for the work of its students and others of like interest who become teachers of the subject.

No effort has been made in the following pages to describe all of the different pieces of apparatus available for the various lines of experimentation; only those are described which are judged in the author's experience to be serviceable for the purposes here considered. Furthermore, unless apparatus is distinctly the work of a single individual no effort has been made to give an historical account of the way in which it has been designed and modified by successive workers. A practical manual of laboratory equipment is all that is aimed at. Many of the figures are copied directly from the catalogues of makers and are acknowledged in the text where they appear. The other obligations of the author to investigators are numerous; many are acknowledged in the text, many require no special acknowledgment because the apparatus and method have been adopted in common use.

It is a pleasure to make special acknowledgment of the contributions of two gentlemen who make it their special business to design and construct psychological apparatus. The workshop of the Yale Psychological Laboratory had for a number of years the very competent

PREFACE

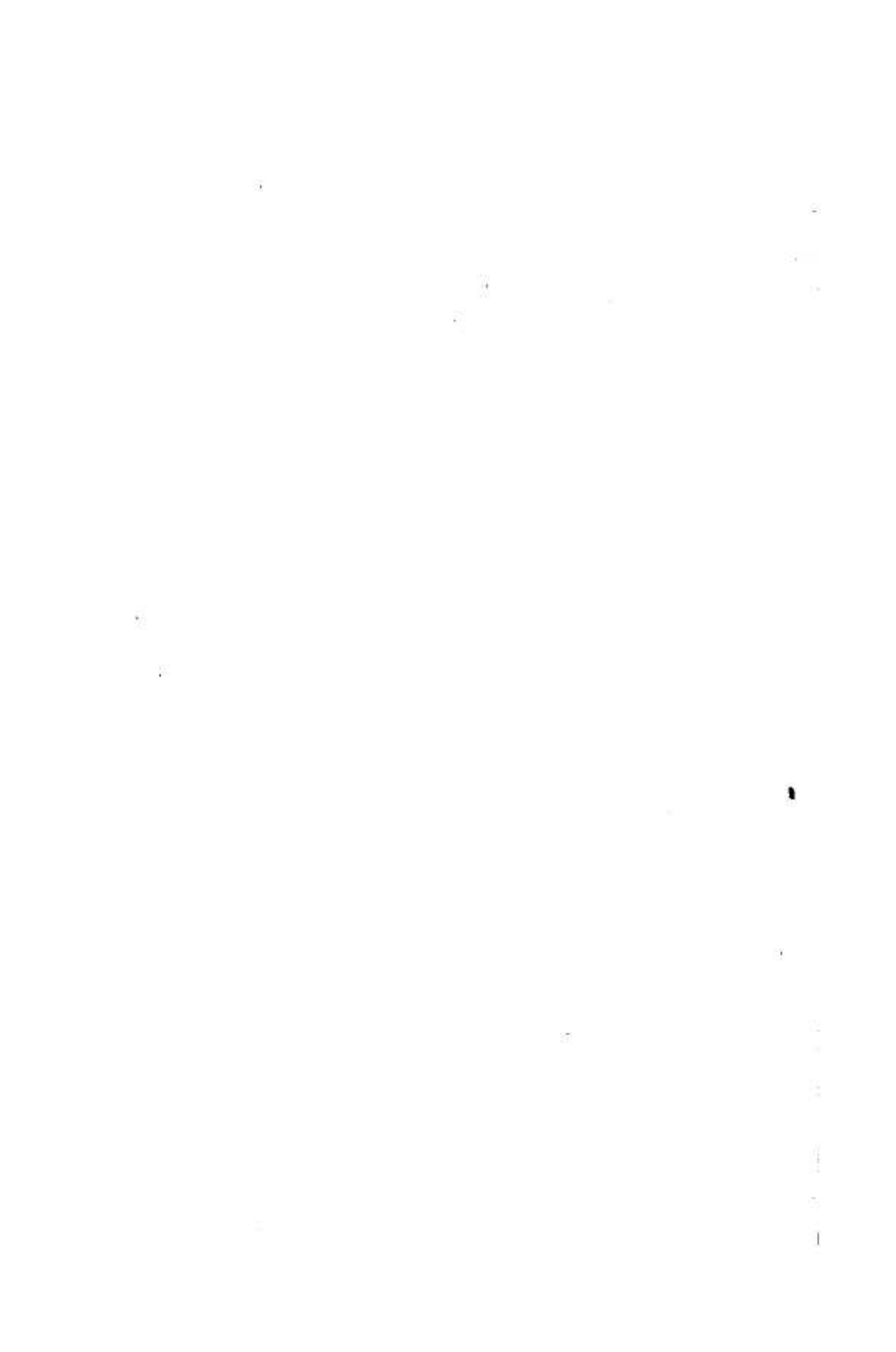
vii

services of Mr. Charles Herbert Smith. Mr. Smith constructed many of the pieces described in this book and drew in many cases the figures. His successor, Mr. Teeuwen, prepared others of the drawings.

With the appearance of this volume the series of three text-books originally planned is completed. Subsequent volumes on the application of psychology to education and cognate subjects are in preparation and will be announced more fully later.

C. H. J.

New Haven, September, 1907.



CONTENTS

	PAGE
GENERAL INTRODUCTION	1
EXERCISES	
I. QUANTITATIVE STUDY OF GEOMETRICAL OPTICAL ILLU- SIONS—	
A—Apparatus and Procedure	16
B—Results	22
C—Supplementary Experiments	24
II. CHARACTERISTICS OF THE DIFFERENT PARTS OF THE RETINAL FIELD—	
A—Apparatus and Procedure	31
B—Results	41
C—Supplementary Experiments	42
III. COLOR SENSATIONS—	
A—Apparatus and Procedure	47
B—Results	56
C—Supplementary Experiments	58
IV. MONOCULAR VISUAL EXPERIENCES—	
A and B—Apparatus, Procedure, and Results	64
C—Supplementary Experiments	68
V. BINOCULAR VISUAL EXPERIENCES—	
A and B—Apparatus, Procedure, and Results	78
C—Supplementary Experiments	87
VI. BINAURAL RECOGNITION OF DIRECTION—	
A—Apparatus and Procedure	98
B—Results	103
C—Supplementary Experiments	104
VII. TONAL SENSATIONS—	
A—Apparatus and Procedure	106
B—Results	115
C—Supplementary Experiments	116
VIII. CUTANEOUS SENSATIONS—	
A—Apparatus and Procedure	118
C—Supplementary Experiments	119