DYNAMIC SKIAMETRY IN THEORY AND PRACTICE, EMBRACING ITS ASSOCIATION WITH STATIC SKIAMETRY AND WITH THOSE OPTOMETRIC METHODS WHEREIN THE CORRELATION OF ACCOMMODATION AND CONVERGENCE MUST BE CONSIDERED

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649283583

Dynamic skiametry in theory and practice, embracing its association with static skiametry and with those optometric methods wherein the correlation of accommodation and convergence must be considered by Andrew Jay Cross

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd. Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

www.triestepublishing.com

ANDREW JAY CROSS

DYNAMIC SKIAMETRY IN THEORY AND PRACTICE, EMBRACING ITS ASSOCIATION WITH STATIC SKIAMETRY AND WITH THOSE OPTOMETRIC METHODS WHEREIN THE CORRELATION OF ACCOMMODATION AND CONVERGENCE MUST BE CONSIDERED



Dynamic Skiametry

in

Theory and Practice

Embracing Its Association with Static Skiametry and with Those Optometric Methods Wherein the Correlation of Accommodation and Convergence Must Be Considered

BY
ANDREW JAY CROSS, D.O.S.

Author of "A System of Ocalar Skiametry." Lecturer on Theoretic and Practical Optometry, Columbia University. President American Optical Association 1900-01, and Honorary Life Member of Its Scientific Section. President Optical Society State of New York 1897-98-99-1900. Dens of The New York Institute of Optometry 1907 08-09. Honorary Member Rochester, N. Y., and Syracuse, N. Y., Optometric Societies, etc., etc.

With Seventy-One Illustrations (Sixty-one of which are Original Drawings)

A. JAY CROSS OPTICAL COMPANY
20 East Twenty-third Street
New York

COPYRIGHT, 1911, BY ANDREW JAY CROSS

PRESS OF S. L. PAESONS & Co. 45 Rose Studen, New York

To

My Colleague,

CHARLES F. PRENTICE, ME.,

ONE OF THE FIRST TO RECOGNIZE THE SCIENTIFIC VALUE OF DYNAMIC SKIAMETRY, AND WITH WHOM I HAVE BEEN ASSOCIATED IN OPTO-METRIC ORGANIZATION AND EDUCATION WORK SINCE 1895, THIS LITTLE VOLUME IS AFFECTIONATELY DEDICATED.



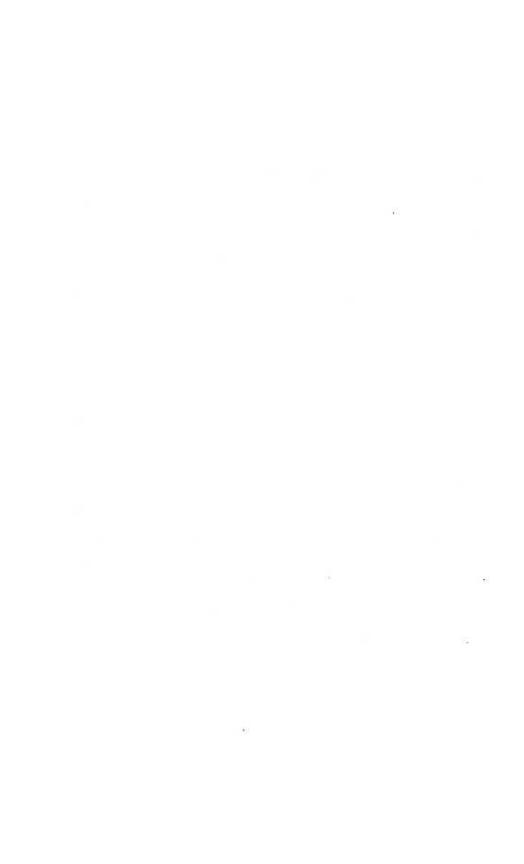
PREFACE

The progress made in optometry during the past decade has perhaps been influenced by no one division more than it has by that of *Dynamic Skiametry*, for the revolutionary character of this new objective method has of necessity developed many minor factors which were unknown when the former book, "A System of Ocular Skiametry," was issued.

For this reason it is now deemed wise to present new explanations of the theory and practice of *dynamic* shadow testing and, at the same time, retain all of the old that has been found good.

Static skiametry, or that method known by the blanket term "retinoscopy," has been explained so often by other writers that it is thought quite unnecessary to add to the length of this little volume further than by a brief description of the cardinal points involved, hence it will be taken for granted that the reader is more or less familiar with the optical principles underlying Bowman's great discovery, and with the added improvements made by Cuignet and others prior to 1902, when the dynamic method was originated and made public by the author.

New York, October, 1911.



CONTENTS

CHAPTER I
CHAPTER II
CHAPTER III
CHAPTER IV
CHAPTER V
CHAPTER VI
CHAPTER VII