

## CONTENTS

I. THEORIES OF CHEMICAL COMBINATION . . . . .	1
II. THE NEW PHYSICAL METHODS OF INVESTIGATION . . . . .	16
III. APPLICATIONS OF THE ELECTRONIC THEORY IN ORGANIC CHEMISTRY. STRENGTHS OF ACIDS AND BASES. THE INDUCTIVE EFFECT . . . . .	33
IV. APPLICATIONS OF THE ELECTRONIC THEORY IN ORGANIC CHEMISTRY. SUBSTITUTION REACTIONS . . . . .	45
V. APPLICATIONS OF THE ELECTRONIC THEORY IN ORGANIC CHEMISTRY. GENERAL DISCUSSION . . . . .	57
VI. FREE RADICALS . . . . .	81
VII. COMPOUNDS OF DIVALENT CARBON AND ALLIED PROBLEMS . . . . .	95
VIII. ADDITION TO UNSATURATED COMPOUNDS . . . . .	99
IX. TAUTOMERIC CHANGE . . . . .	113
X. MIGRATIONS FROM SIDE-CHAIN TO NUCLEUS AND OTHER REARRANGEMENTS . . . . .	132
XI. THE FACTORS DETERMINING REACTION VELOCITY . . . . .	154
XII. A REVIEW OF SOME STEREOCHEMICAL PROBLEMS . . . . .	171
INDEX OF AUTHORS . . . . .	213
INDEX OF SUBJECTS . . . . .	216