

# Contents

|   | <i>page</i> |
|---|-------------|
| Introduction  | 1           |
| W. D. OLLIS   |             |
| Non-classical Ions and Homoaromaticity  | 5           |
| S. WINSTEIN   |             |
| The Concept of the Aromatic Sextet  | 47          |
| SIR ROBERT ROBINSON   |             |
| Cycloaddition Reactions of Mesoionic Aromatic Compounds   | 51          |
| ROLF HUISGEN  |             |
| The Annulenes and Related Compounds   | 75          |
| F. SONDHEIMER, I. C. CALDER, J. A. ELIX, Y. GAONI,<br>P. J. GARRATT, K. GROHMANN, G. DI MAIO, J. MAYER,<br>M. V. SARGENT, and R. WOLOVSKY |             |
| Paramagnetic Ring Currents in the [4 <i>n</i> ]-Annulenes   | 100         |
| H. C. LONGUET-HIGGINS   |             |
| Aromatic 10 $\pi$ -Electron Systems   | 113         |
| EMANUEL VOGEL   |             |
| Electrophilic Substitution in Deactivated Aromatic Systems  | 149         |
| J. H. RIDD  |             |
| Some Recent Aspects of the Chemistry of Condensed Cyclobutane<br>Aromatic Compounds   | 163         |
| M. P. CAVA  |             |
| Some Recent Developments in the Theory of Conjugated Systems  | 77          |
| MICHAEL J. S. DEWAR   |             |
| The Conservation of Orbital Symmetry  | 217         |
| R. B. WOODWARD  |             |