

## Contents



|                                                                                               |      |
|-----------------------------------------------------------------------------------------------|------|
| <b>Preface to the Series</b> . . . . .                                                        | v    |
| <b>Foreword</b> . . . . .                                                                     | vii  |
| <b>Symbols currently used</b> . . . . .                                                       | xiii |
| <b>Activation Energy: Nature, Determination, Significance</b> . . . . .                       | 1    |
| <i>P. J. Elving and B. B. Graves</i>                                                          |      |
| <b>Electrochemistry of Complexes of Macrocyclic Ion Carriers and their Models</b> . . . . .   | 93   |
| <i>J. Koryta and M. Gross</i>                                                                 |      |
| <b>Mitochondria: A General Survey</b> . . . . .                                               | 149  |
| <i>P. Gazzotti</i>                                                                            |      |
| <b>Implantable Electrodes</b> . . . . .                                                       | 191  |
| <i>F. von Sturm</i>                                                                           |      |
| <b>Electrochemical Phenomena in Vascular Homeostasis</b> . . . . .                            | 243  |
| <i>N. Ramasamy, T. R. Lucas, B. Stanczewski and P. N. Sawyer</i>                              |      |
| <b>Non-Equilibrium Thermodynamics and Membrane Potential Measurement in Biology</b> . . . . . | 307  |
| <i>M. Delmotte and J. Chanu</i>                                                               |      |