

Contents

| | |
|--|-----|
| List of contributors | ix |
| Donald Broadbent | xi |
| <i>I. Perception: selection and attention</i> | 1 |
| Introduction | 3 |
| <i>Peter McLeod</i> | |
| 1. The perception of features and objects | 5 |
| <i>Anne Treisman</i> | |
| 2. On the output of a visual fixation | 36 |
| <i>Andries F. Sanders</i> | |
| 3. Selection of input and goal in the control of behaviour | 53 |
| <i>John Duncan</i> | |
| 4. Filtering and physiology in visual search: a convergence of behavioural and neurophysiological measures | 72 |
| <i>Peter McLeod and Jon Driver</i> | |
| 5. Objects, streams, and threads of auditory attention | 87 |
| <i>Dylan Jones</i> | |
| <i>II. Attentional control of complex tasks</i> | 105 |
| Introduction | 107 |
| <i>Neville Moray</i> | |
| 6. Designing for attention | 111 |
| <i>Neville Moray</i> | |
| 7. Motor programs and musical performance | 135 |
| <i>L. Henry Shaffer</i> | |
| 8. Working memory or working attention? | 152 |
| <i>Alan Baddeley</i> | |
| 9. Supervisory control of action and thought selection | 171 |
| <i>Tim Shallice and Paul Burgess</i> | |
| 10. Crystal quest: a search for the basis of maintenance of practised skills into old age | 188 |
| <i>Patrick M. A. Rabbitt</i> | |

| | |
|--|-----|
| <i>III. Conscious awareness</i> | 231 |
| Introduction | 233 |
| <i>Lawrence Weiskrantz</i> | |
| 11. Search for the unseen | 235 |
| <i>Lawrence Weiskrantz</i> | |
| 12. Implicit learning: reflections and prospects | 246 |
| <i>Dianne Berry</i> | |
| 13. Redefining automaticity: unconscious influences, awareness, and control | 261 |
| <i>Larry L. Jacoby, Diane Ste-Marie, and Jeffrey P. Toth</i> | |
| 14. Varieties of consciousness and levels of awareness in memory | 283 |
| <i>Endel Tulving</i> | |
| <i>IV. Attention, arousal, and stress</i> | 301 |
| Introduction | 303 |
| <i>Andrew Smith</i> | |
| 15. Viral illnesses and performance | 307 |
| <i>Andrew Smith</i> | |
| 16. Cognitive–energetical control mechanisms in the management of work demands and psychological health | 328 |
| <i>G. Robert J. Hockey</i> | |
| 17. Individual differences in personality and motivation: 'non-cognitive' determinants of cognitive performance | 346 |
| <i>William Revelle</i> | |
| 18. Selective effects of emotion on information-processing | 374 |
| <i>John D. Teasdale</i> | |
| 19. Interaction of arousal and selection in the posterior attention network | 390 |
| <i>Michael I. Posner</i> | |
| 20. Self-report questionnaires in cognitive psychology: have they delivered the goods? | 406 |
| <i>James Reason</i> | |
| Name index | 425 |
| Subject index | 432 |