

## Contents

|   |     |
|---|-----|
| <i>Introduction</i>   | vii |
| <i>Bibliography of David Balme's Publications on Ancient Philosophy</i> | xxi |
| <i>Notes on Contributors</i>  | xxv |

### I. Biology and Natural Philosophy

|                                       |   |
|---------------------------------------|---|
| 1. The Fishes of Lesbos Again         | 3 |
| H.D.P.LEE                             |   |
| 2. About the Division of the Sciences | 9 |
| MARJORIE GRENE                        |   |

### II. Substance, Form, and 'Species'

|   |     |
|---|-----|
| 3. Substance in Aristotle's <i>Metaphysics</i>  | 17  |
| MICHAEL FREDE   |     |
| 4. Notes towards a Study of Substance and Essence in Aristotle's<br><i>Parts of Animals</i> ii-iv | 27  |
| ALLAN GOTTHELF  |     |
| 5. Aristotle on Form  | 55  |
| D.W. HAMLYN   |     |
| 6. Are Aristotelian Species Eternal?  | 67  |
| JAMES G. LENNOX   |     |
| 7. Aristotle: A Zoology without Species   | 95  |
| PIERRE PELLEGRIN (trans. A. Preus)  |     |
| 8. Species, Form, and Inheritance: Aristotle and After  | 117 |
| R.W. SHARPLES   |     |

### III. Teleology, Necessity, Motion, and Value

|  |     |
|--|-----|
| 9. Aristotle and the <i>Harmonia</i> Theory<br>WILLIAM CHARLTON  | 131 |
| 10. Hypothetical Necessity<br>JOHN M. COOPER   | 151 |
| 11. Different Concepts of the Final Cause in Aristotle<br>WOLFGANG KULLMANN                                  | 169 |
| 12. The Rainfall Example in <i>Physics</i> ii 8<br>DAVID FURLEY  | 177 |
| 13. The Place of the Prime Mover in Aristotle's Teleology<br>CHARLES H. KAHN                                 | 183 |
| 14. Aristotle on the Limits of Determinism:<br>Accidental Causes in <i>Metaphysics</i> E 3<br>DOROTHEA FREDE | 207 |
| 15. Aristotelian Mechanics<br>G.E.L. OWEN  | 227 |
| 16. Happiness and Chance in Aristotle<br>G. VERBEKE  | 247 |
| 17. Teleology in Aristotle's <i>Politics</i><br>JOHN FERGUSON  | 259 |

### IV. Before and After Aristotle

|   |     |
|---|-----|
| 18. A Seminal 'Debate' in the Fifth Century B.C.?<br>JAMES LONGRIGG   | 277 |
| 19. The Disorderly Motions Again<br>J.B. SKEMP  | 289 |
| 20. Plato on the Object of Knowledge: <i>Theaetetus</i> 185cff.<br>J.T. BEDU-ADDO                               | 301 |
| 21. Theophrastus in the Aristotelian Corpus,<br>with particular reference to Biological Problems<br>PAMELA HUBY | 313 |
| 22. Galen and Aristotle's <i>De partibus animalium</i><br>PAUL MORAUX (trans. A. Preus)                         | 327 |
| 23. Aristotle, Bar Hebraeus, and Nicolaus Damascenus on Animals<br>H.J. DROSSAART LULOFS                        | 345 |
| 24. Aristotle and Quintilian: Physiognomical Reflections<br>H. MacL. CURRIE                                     | 359 |
| <i>Bibliography</i>   | 367 |
| <i>Index Nominum</i>  | 383 |
| <i>Index Locorum</i>  | 388 |