

Contents

<i>List of contributors</i>	page ix
<i>Preface</i> D.B. SINIFF	xi
<i>Introduction</i> R.M. LAWS	xiii
1 Identification of species R.M. LAWS	1
2 Estimation of population sizes A.W. ERICKSON, D.B. SINIFF AND J. HARWOOD	29
3 Immobilization and capture A.W. ERICKSON AND M.N. BESTER	46
4 Marking techniques A.W. ERICKSON, M.N. BESTER AND R.M. LAWS	89
5 Telemetry and electronic technology J.L. BENGTSON	119
6 Behaviour I. STIRLING, R.L. GENTRY AND T.S. McCANN	140
7 Killing methods W.N. BONNER	155
8 Morphometrics, specimen collection and preservation W.N. BONNER AND R.M. LAWS	161
9 Genetic-based studies for stock separation P.D. SHAUGHNESSY, R.J. HOFMAN, T.E. DOWLING AND W.M. BROWN	172
10 Collection of material for the determination of organochlorine and heavy metal levels P.D. SHAUGHNESSY	194
11 Age determination T.S. McCANN	199
12 Reproduction R.M. LAWS AND A.A. SINHA	228
13 Diet J.P. CROXALL	268
14 Bioenergetics S.S. ANDERSON, D. COSTA AND M.A. FEDAK	291

15 Development of technology and research needs	316
R.M. LAWS	336
16 Appendices	336
16.1 Origins of scientific names of Antarctic seals	336
16.2 Vernacular names of Antarctic seals in different languages	338
16.3 Scientific names of mammal species referred to in this book	340
16.4 Agreed Measures for the Conservation of Antarctic Flora and Fauna	341
16.5 Convention for the Conservation of Antarctic Seals	349
16.6 Convention on the Conservation of Antarctic Marine Living Resources	361
16.7 SCAR Code of Conduct for use of Animals for Scientific Purposes in Antarctica	381
Index	383