

Cambridge University Press

978-0-521-44302-9 - Antarctic Seals: Research Methods and Techniques

Edited by R. M. Laws

Table of Contents

[More information](#)

## Contents

<i>List of contributors</i>	<i>page</i>	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. BENGTON		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
		vii

Cambridge University Press

978-0-521-44302-9 - Antarctic Seals: Research Methods and Techniques

Edited by R. M. Laws

Table of Contents

[More information](#)

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