

CONTENTS

Contributors vii
 Foreword ix
 The Mammal Research Institute xi
 Acknowledgements xiii
 Introduction 1
 Map of the subregion 3
 The cetacean environment off southern Africa, Isabelle J. Ansorge and Johann R. E. Lutjeharms 5
 The South African species gate, William F. Perrin 15
 A classification of living cetacea 17
 Key to the whales, dolphins and porpoise of the subregion 18
 Anatomy of cetacean skulls 24

SPECIES ACCOUNTS

Family BALAENIDAE

Southern right whale *Eubalaena australis* 29

Family NEOBALAENIDAE

Pygmy right whale *Caperea marginata* 36

Family BALAENOPTERIDAE

Humpback whale *Megaptera novaeangliae* 41
 Antarctic minke whale *Balaenoptera bonaerensis* 48
 Dwarf minke whale *B. acutorostrata* subsp. 54
 Bryde's whale *B. brydei* 58
 Sei whale *B. borealis* 64
 Fin whale *B. physalus* 70
 Blue whale *B. musculus* 76

Family PHYSETERIDAE

Sperm whale *Physeter macrocephalus* 83

Family KOGIIDAE

Pygmy sperm whale *Kogia breviceps* 90
 Dwarf sperm whale *K. sima* 94

Family ZIPHIIDAE

Cuvier's beaked whale *Ziphius cavirostris* 98
 Arnoux's beaked whale *Berardius arnuxii* 103
 Shepherd's beaked whale *Tasmacetus shepherdi* 108
 Longman's beaked whale *Indopacetus pacificus* 111
 Southern bottlenose whale *Hyperoodon planifrons* 114
 Hector's beaked whale *Mesoplodon hectori* 119
 True's beaked whale *M. mirus* 122
 Gervais' beaked whale *M. europaeus* 125
 Gray's beaked whale *M. grayi* 128
 Andrews' beaked whale *M. bowdoini* 132
 Layard's beaked whale *M. layardii* 135
 Blainville's beaked whale *M. densirostris* 140
 Ginkgo-toothed beaked whale *M. ginkgodens* 145

Family DELPHINIDAE

Heaviside's dolphin *Cephalorhynchus heavisidii* 148
 Commerson's dolphin *C. commersonii* 153
 Rough-toothed dolphin *Steno bredanensis* 158
 Atlantic humpback dolphin *Sousa teuszii* 163
 Indo-Pacific humpback dolphin *S. chinensis* 167
 Common bottlenose dolphin *Tursiops truncatus* 174
 Indo-Pacific bottlenose dolphin *T. aduncus* 181
 Pantropical spotted dolphin *Stenella attenuata* 188
 Atlantic spotted dolphin *S. frontalis* 193
 Spinner dolphin *S. longirostris* 198
 Clymene dolphin *S. clymene* 204
 Striped dolphin *S. coeruleoalba* 208
 Short-beaked common dolphin *Delphinus delphis* 213
 Long-beaked common dolphin *D. capensis* 218
 Fraser's dolphin *Lagenodelphis hosei* 223
 Dusky dolphin *Lagenorhynchus obscurus* 228
 Hourglass dolphin *L. cruciger* 234
 Southern right whale dolphin *Lissodelphis peronii* 238
 Risso's dolphin *Grampus griseus* 242
 Melon-headed whale *Peponocephala electra* 247
 Pygmy killer whale *Feresa attenuata* 252
 False killer whale *Pseudorca crassidens* 257
 Killer whale *Orcinus orca* 263
 Long-finned pilot whale *Globicephala melas* 272
 Short-finned pilot whale *G. macrorhynchus* 278

Family PHOCOENIDAE

Spectacled porpoise *Phocoena dioptrica* 284

Bibliography 291
 Illustration acknowledgements 327
 Glossary 331
 Index 335
 List of subscribers 337