

Preface to the Second Edition

As many readers will know, this new edition is long overdue, partly because of personal problems experienced by both authors, but also because we have had to examine a far larger number of new papers than we ever imagined when, many years ago, we cheerfully agreed to Cambridge University Press's invitation to write a second edition. It would be gratifying to think that our first edition helped stimulate new research into cephalopod behaviour, but there is no doubt that in the past 20 years, there has been a welcome surge of fascinating investigations into many aspects of the lives of these animals. As a result, we have come to realise, for example, that squid can detect 'infra-sound' and that polarisation sensitivity is far more important in the lives of cephalopods than previously thought. Some of this new work has been done in the laboratory, but there

have also been some beautiful field observations – of, for example, the horizontal and vertical movements of the jumbo squid (revealed by special tagging); of the extraordinary reproductive behaviour of the giant Australian cuttlefish in shallow waters; and, in the depths, a glimpse of the complex flashing behaviour of the squid *Taningia*, as well as the first ever observations of living giant squid from submersibles.

In this edition, we have attempted to do justice to all this new work, with the inevitable result that the book has become very long, for which we apologise. The subject matter of the new edition is organised in the same way as in the first. The majority of the chapters reflect the combined inputs of RTH and JBM; but Chapters 5, 6 and 11 are the work of RTH alone. As before, the order of the authors is alphabetical.