

Contents

List of Contributors	vii
Foreword	ix
1. Plankton Patches in the Northern North Sea. By J. H. Steele and E. W. Henderson	1
2. Development of a Model of Stock and Recruitment. By D. H. Cushing and J. W. Horwood	21
3. Growth, Reproduction and Mortality in Gadoid Fish Species. By R. Jones and C. Johnston	37
4. Estimation of Fishing Mortality, its Precision and Implications for the Management of Fisheries. By J. G. Pope	63
5. The Estimation of Mortality from Capture-Recapture Experiments. By M. D. Nicholson and J. A. Pope	77
6. The Partitioning of Natural Mortality in a Multispecies Model of Fishing and Predation. By K. P. Anderson and Erik Ursin	87
7. Analytic Approaches in Fishing Technology. By J. J. Foster, R. S. T. Ferro and A. J. Reid	99
8. The Development and Application of Computer-aided Cartography in the Fishing Industry. By J. B. Richardson	117
9. Mathematical Theories of Fish Swimming. By Sir James Lighthill	131
10. Performance and Behaviour on Migration. By F. R. Harden Jones	145
11. The Application of Large Amplitude Elongated Body Theory to Measure Swimming Power in Fish. By C. S. Wardle and A. Reid	171
Index	193