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978-0-521-06495-8 - Mechanics and Physiology of Animal Swimming

Edited by Linda Maddock, Quentin Bone and Jeremy M. V. Rayner

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Aquatic organisms swim in a variety of ways, from jet propulsion to ciliary action; they swim at a wide range of speeds and span a vast size range, from bacteria to protists, to the largest whales. One of the most fascinating aspects of aquatic locomotion is the remarkable sets of adaptations that have been evolved for different purposes.

This volume brings together current research on a wide range of swimming organisms, with an emphasis on the biomechanics, physiology and hydrodynamics of swimming in or on water. Several chapters deal with different aspects of fish swimming, from the use of different 'gaits' to the operation of the locomotor muscles. All chapters are by recognised authorities in their different fields, and all are accessible to biologists interested in aquatic locomotion.

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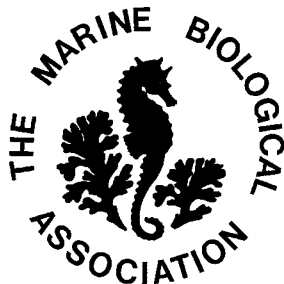
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A volume arising from the Symposium on **Mechanics and Physiology of Animal Swimming**, organized by the Marine Biological Association of the United Kingdom and the Society for Experimental Biology and held at the Polytechnic South West, Plymouth, 15-18 April 1991



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Contents

Introduction	1
<i>Q. Bone and L. Maddock</i>	
1 Functional patterns of swimming bacteria	3
<i>J.O. Kessler, M.A. Hoelzer, T.J. Pedley and N.A. Hill</i>	
2 Buoyancy and swimming in marine planktonic protists	13
<i>C. Fevre-Chevalier and J. Fevre</i>	
3 The role of fins in the competition between squid and fish	27
<i>J.A. Hoar, E. Sim, D.M. Webber and R.K. O'Dor</i>	
4 The biology of fish swimming	45
<i>P.W. Webb</i>	
5 Swimming physiology of pelagic fishes	63
<i>J.B. Graham, H. Dewar, N.C. Lai, K.E. Korsmeyer, P.A. Fields, T. Knowler, R.E. Shadwick, R. Shabetai and R.W. Brill</i>	
6 The mechanical design of the fish muscular system	75
<i>L.C. Rome</i>	
7 How do fish use their myotomal muscle to swim? <i>In vitro</i> simulations of <i>in vivo</i> activity patterns	99
<i>J.D. Altringham</i>	
8 The timing of lateral muscle strain and EMG activity in different species of steadily swimming fish	111
<i>C.S. Wardle and J.J. Videler</i>	
9 Swimming in the lamprey: modelling the neural pattern generation, the body dynamics and the fluid mechanics	119
<i>J.C. Carling, G. Bowtell and T.L. Williams</i>	
10 Swimming capabilities of Mesozoic marine reptiles: a review	133
<i>J.A. Massare</i>	
11 Stone, bone or blubber? Buoyancy control strategies in aquatic tetrapods	151
<i>M.A. Taylor</i>	
12 Functional anatomy of the 'flight' apparatus in penguins	163
<i>R. Bannasch</i>	
13 Energy conservation by formation swimming: metabolic evidence from ducklings	193
<i>F.E. Fish</i>	
Bibliography	205
Index	231

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