

# CONTENTS

---

Contributors .....	ix
Introduction to Nonlinear Oscillators	
<i>I. Stewart</i> .....	1
Identical Oscillator Networks with Symmetry	
<i>P.B. Ashwin</i> .....	21
Bifurcating Neurones	
<i>A.V. Holden, J. Hyde, M.A. Muhamad, H.G. Zhang</i> .....	41
A Model for Low Threshold Oscillations in Neurons	
<i>J.L. Hindmarsh, R.M. Rose</i> .....	81
Information Processing by Oscillating Neurons	
<i>C.L.T. Mannion, J.G. Taylor</i> .....	100
Gamma Oscillations, Association and Consciousness	
<i>R.M.J. Cotterill, C. Nielsen</i> .....	117
Modelling of Cardiac Rhythm: From Single Cells to Massive Networks	
<i>D. Noble, J.C. Denyer, H.F. Brown, R. Winslow, A. Kimball</i> .....	132