## **Contents**

Theoretical Physics and Biology H. Fröhlich
Theory of Non-Linear Excitations F. Kaiser (With 9 Figures)
Structures, Correlations and Electromagnetic Interactions in Living Matter: Theory and Applications • E. Del Giudice, S. Doglia, M. Milani and G. Vitiello 49
Resonant Cellular Effects of Low Intensity Microwaves W. Grundler, U. Jentzsch, F. Keilmann and V. Putterlik (With 14 Figures)
The Influence of Low Intensity Millimetre Waves on Biological Systems  F. Kremer, L. Santo, A. Poglitsch, C. Koschnitzke, H. Behrens and L. Genzel (With 17 Figures)
Metastable States of Biopolymers  J.B. Hasted
Physical Aspects of Plant Photosynthesis F. Drissler (With 25 Figures)
Emission of Radiation by Active Cells  J.K. Pollock and D.G. Pohl (With 6 Figures)
Physiological Signalling Across Cell Membranes and Cooperative Influences of Extremely Low Frequency Electromagnetic Fields W.R. Adey (With 7 Figures)
The Interaction of Living Red Blood Cells S. Rowlands (With 2 Figures)
The Genetic Code as Language F. Fröhlich

VIII	Contents
------	----------

Electromagnetic Effects in Humans	
C.W. Smith (With 4 Figures)	. 205
Coherent Properties of Energy-Coupling Membrane Systems	
D.B. Kell (With 1 Figure)	. 233
Coherence in the Cytoskeleton: Implications for Biological	
Information Processing	
S.R. Hameroff (With 12 Figures)	. 242
Subject Index	. 267