

CONTENTS

SECTION I: THE FIRST LIFE	
INTRODUCTION	2
1 THE EVOLUTION OF THE EARLIEST CELLS	7
2 THE EMERGENCE OF ANIMALS	24
SECTION II: CHALLENGES IN THE SEA	
INTRODUCTION	36
3 SYMBIOSIS IN THE DEEP SEA	39
4 ANTARCTIC FISHES	49
5 INTERTIDAL FISHES	59
SECTION III: BEATING THE ODDS	
INTRODUCTION	70
6 THERMOREGULATION IN WINTER MOTHS	73
7 THE PHYSIOLOGY OF THE KOALA	84
8 CARNIVOROUS PLANTS	92
SECTION IV: THE PERILS OF PARASITISM	
INTRODUCTION	108
9 COMMUNICATION BETWEEN ANTS AND THEIR GUESTS	111
10 SLAVERY IN ANTS	122
11 HOW THE TRYPANOSOME CHANGES ITS COAT	129
12 VIRIDS	141
THE AUTHORS	155
BIBLIOGRAPHIES	157
INDEX	159