

Contents

1. PIONEERS OF EVOLUTIONARY THOUGHT	1
2. CHARLES DARWIN'S LIFE AND WORK	13
3. MOLECULAR BIOLOGY AND EVOLUTION	35
4. STATISTICAL MECHANICS AND INFORMATION	73
5. INFORMATION FLOW IN BIOLOGY	95
6. CULTURAL EVOLUTION AND INFORMATION	109
7. INFORMATION TECHNOLOGY	133
8. BIO-INFORMATION TECHNOLOGY	151
9. LOOKING TOWARDS THE FUTURE	183
Appendix A ENTROPY AND INFORMATION	191
Appendix B BIOSEMIOTICS	197
<i>Index</i>	203