

CONTENTS

Preface

xiii

1. Homage to the Square

i

2. Making the External World Safe for Humanity: The Roles of Myth and Religion

13

3. Deciphering the Real World

21

4. Modern Biology and the Response to Vitalism

39

5. Biological Repair and the Realities of Human Life, Aging, and Death

71

6. Behavior and the Genes	83
7. Life's Ancient Strategies for Survival	105
8. The Future Prospects of Biology	119
9. Off with the Old Ideas, On with the New	141
10. Our Dual Worlds: The Concept of Complementarity	151
11. Rationalists in an Irrational World	167

*Appendix A. The Structures
and Functions of Protein Molecules*

201

Appendix B. The Genetic Code

204

Appendix C. Mitosis (Asexual Reproduction)

206

Appendix D. Meiosis (Sexual Reproduction)

208

Appendix E. Unequal Crossing-Over

211

Appendix F. Minnesota Twin Studies

213

Appendix G. Cain and Abel: The Sequel

216

Notes

221

Index

231

