

Contents

Foreword, by Loren Graham	<i>vii</i>
Preface	<i>xv</i>
One The Initial Stages of Evolution	<i>1</i>
Two Hierarchical Structures	<i>22</i>
Three On the Path toward the Human Being	<i>56</i>
Four The Human Being	<i>74</i>
Five From Step to Step	<i>101</i>
Six Logical Analysis of Language	<i>114</i>
Seven Language and Thinking	<i>140</i>
Eight Primitive Thinking	<i>173</i>
Nine Mathematics before the Greeks	<i>190</i>
Ten From Thales to Euclid	<i>212</i>
Eleven From Euclid to Descartes	<i>239</i>
Twelve From Descartes to Bourbaki	<i>263</i>
Thirteen Science and Metascience	<i>289</i>
Fourteen The Phenomenon of Science	<i>315</i>
Index	<i>345</i>