

## CONTENTS

INTRODUCTION	PAGE 9
--------------	--------

### PART I. *THE WORLD OF SCIENCE*

I Individual and Social Knowledge	17
II The Universe of Astronomy	23
III The World of Physics	29
IV Biological Evolution	43
V The Physiology of Sensation and Volition	51
VI The Science of Mind	57

### PART II. *LANGUAGE*

I The Uses of Language	71
II Ostensive Definition	78
III Proper Names	87
IV Egocentric Particulars	100
V Suspended Reactions: Knowledge and Belief	109
VI Sentences	119
VII External Reference of Ideas and Beliefs	123
VIII Truth: Elementary Forms	127
IX Logical Words and Falsehood	136
X General Knowledge	146
XI Fact, Belief, Truth, and Knowledge	159

### PART III. *SCIENCE AND PERCEPTION*

INTRODUCTION	177
I Knowledge of Facts and Knowledge of Laws	180
II Solipsism	191
III Probable Inference in Common-sense Practice	198
IV Physics and Experience	211
V Time in Experience	226
VI Space in Psychology	233
VII Mind and Matter	240

HUMAN KNOWLEDGE: ITS SCOPE AND LIMITS

PART IV. *SCIENTIFIC CONCEPTS*

I	Interpretation	PAGE 251
II	Minimum Vocabularies	259
III	Structure	267
IV	Structure and Minimum Vocabularies	274
V	Time, Public and Private	284
VI	Space in Classical Physics	295
VII	Space-Time	305
VIII	The Principle of Individuation	310
IX	Causal Laws	326
X	Space-time and Causality	337

PART V. *PROBABILITY*

	INTRODUCTION	353
I	Kinds of Probability	356
II	Mathematical Probability	362
III	The Finite-Frequency Theory	368
IV	The Mises-Reichenbach Theory	380
V	Keynes's Theory of Probability	390
VI	Degrees of Credibility	398
VII	Probability and Induction	418

PART VI. *POSTULATES OF SCIENTIFIC INFERENCE*

I	Kinds of Knowledge	439
II	The Role of Induction	451
III	The Postulate of Natural Kinds	456
IV	Knowledge Transcending Experience	463
V	Causal Lines	471
VI	Structure and Causal Laws	479
VII	Interaction	494
VIII	Analogy	501
IX	Summary of Postulates	506
X	The Limits of Empiricism	516
	Index	528