

CONTENTS

PREFACE	vii
---------	-----

<i>ONE.</i> DEFINITIONS, I	1
----------------------------	---

1. Logical Necessity and Sufficiency	3
2. Relevance	6
3. Semantical Relevance	10
4. Comments on the Distinction between Semantical and Nonsemantical Relevance	16
5. Linguistic Descriptions; Centrality	19
6. Unknown Properties	22
7. Indefiniteness in Linguistic Descriptions	24
8. Models of Linguistic Descriptions	27
9. Semantical Relevance, Meaning, and Use	31
10. Linguistic Descriptions and Use	36
11. Analyticity	39
12. Conclusions on List A	46

<i>TWO.</i> DEFINITIONS, II	47
-----------------------------	----

1. List B	47
2. Relevance	48
3. List A vs. List B	50
4. Changes in Definition	51
5. List C; Mathematical Definitions	54
6. Operational Definitions	56
7. Other Definitions for Quantities	57

CONTENTS

8. Conditions for Quantities	59
9. Conditions in Mathematical Definitions	61
10. Conditions in Operational Definitions	63
11. Conclusions on List C	66
<i>THREE.</i> THE INTERPRETATION OF TERMS	67
1. The Contemporary Positivist Account	67
2. On the Significance of Theoretical Terms	72
3. On Theory Construction	81
4. On Partial and Indirect Interpretation	85
5. A Doctrine about Meaning-Dependence	91
6. Criteria for Meaning-Dependence and for Change in Meaning	98
7. On the Actual Introduction and Interpretation of Terms	106
<i>FOUR.</i> THEORIES	121
1. Criteria for Theories	121
2. Other Conceptions of Theories	129
3. The Presentation of a Scientific Theory	137
4. The Axiomatic Presentation of a Theory	148
5. A Broader Concept of Theory	154
6. Conclusions	156
<i>FIVE.</i> OBSERVATIONAL TERMS	157
1. The Distinction between Theoretical and Nontheoretical Terms	157
2. Observation	160
3. Qualified Observation	166
4. Direct Observation; the Number of Observations	172
5. Conclusions on Observation	177
<i>SIX.</i> THEORETICAL TERMS	179
1. Conceptual Organization	179
2. Theory-Dependence	182
3. Theory-Dependence and the Classification of Terms	186
4. Conjecture	189

CONTENTS

5. Precision	194
6. Abstract Terms	197
7. General Conclusions on the Theoretical-Nontheoretical Distinction	199
<i>SEVEN.</i> ANALOGIES AND MODELS	203
1. Analogies	203
2. Representational Models	209
3. Theoretical Models	212
4. Imaginary Models	218
5. Comparisons between Imaginary, Theoretical, and Analogue Models	221
<i>EIGHT.</i> ON A SEMANTICAL THEORY OF MODELS	227
1. The Semantical Theory	227
2. Models, Statements, and Interpretation	230
3. Models and Formal Structure	237
4. Analogies and Formal Structure	244
5. The Identification of Models and Analogies	248
6. On the Merits of "Semantical" Models	249
7. Can There Be a Theory about Models and Analogies?	256
INDEX	261