

Contents:

	PAGE
I. LOGICAL ANALYSIS OF LANGUAGE: SEMANTICS AND SYNTAX	
1. Theoretical Procedures in Science	1
2. Analysis of Language	3
3. Pragmatics of Language B	5
4. Semantical Systems	6
5. Rules of the Semantical System B-S	8
6. Some Terms of Semantics	11
7. L-Semantical Terms	12
8. Logical Syntax	16
9. The Calculus B-C	18
II. CALCULUS AND INTERPRETATION	
10. Calculus and Semantical System	21
11. On the Construction of a Language System	24
12. Is Logic a Matter of Convention?	26
III. CALCULI AND THEIR APPLICATION IN EMPIRICAL SCIENCE	
13. Elementary Logical Calculi	29
14. Higher Logical Calculi	33
15. Application of Logical Calculi	35
16. General Remarks about Nonlogical Calculi (Axiom Systems)	37
17. An Elementary Mathematical Calculus	38
18. Higher Mathematical Calculi	42

Contents

19. Application of Mathematical Calculi	44
20. The Controversies over "Foundations" of Mathematics	48
21. Geometrical Calculi and Their Interpretations	51
22. The Distinction between Mathematical and Physical Geometry	53
23. Physical Calculi and Their Interpretations	56
24. Elementary and Abstract Terms	61
25. "Understanding" in Physics	67
SELECTED BIBLIOGRAPHY	69
INDEX OF TERMS	71