

## TABLE OF CONTENTS

### A

R. WÓJCICKI / Some problems of formal methodology	9
R. HILPINEN / Approximate truth and truthlikeness	19
M. L. DALLA CHIARA / A multiple sentential logic for empirical theories	43
J. HINTIKKA and I. NIINILUOTO / An axiomatic foundation for the logic of inductive generalization	57
T. A. F. KUIPERS / A two-dimensional continuum of a priori probability distributions on constituents	82
I. NIINILUOTO / Inductive logic and theoretical concepts	93
R. GILES / A pragmatic approach to the formalization of empirical theories	113
B. L. LICHTENFELD and A. I. RAKITOV / Uncertainty, probability and empirical knowledge	136
E. AGAZZI / The concept of empirical data	143
M. PRZEŁĘCKI / Interpretation of theoretical terms: In defence of an empiricist dogma	158
V. RANTALA / Definability problems in the methodology of science	170
R. L. CAUSEY / Laws, identities and reduction	188
W. HEITSCH / On logical analysis of methods	199
K. BERKA / Axiomatization in expected utility theory	206
P. ROBINSON / A logical model for game-like situations and the transformation of game-like situations	220
P. M. WILLIAMS / Indeterminate probabilities	229
F. SUPPE / Theoretical laws	247
R. TUOMELA / Causality, ontology and subsumptive explanation	268
P. WEINGARTNER / On the introduction of intensions into set theory	287
K. SZANIAWSKI / Types of information and their role in the methodology of science	297
B. G. MIRKIN and L. B. CHORNY / Classification and ranking models in the discrete data analysis	309

G. TORALDO DI FRANCIA / What have physicists learned from experience about inductive inference?	318
---	-----

**B**

(Papers presented by title)

J. AGASSI / Verisimilitude: Popper, Miller and Hattiangadi	335
F. M. BORODKIN / On a general scheme of causal analysis	353
H. DISHKANT / Logic of quantum mechanics	368
W. K. ESSLER / On possibilities and limits of the application of inductive methods	371
W. KRAJEWSKI / Correspondence principle and the idealization	380
P. MATERNA / Pragmatic meaning and truth	387
T. NADEL-TUROŃSKI / Semantic complementarity in quantitative empirical sciences	394
L. NOWAK / Marx's concept of law of science	399
K. F. SAMOCHWAŁOW / The impossibility theorem for universal theory of prediction	417
H. TÖRNEBOHM / Scientific knowledge-formation	431
E. C. ULIASSI and R. J. CHACON / The methodology of behavioral theory construction: Nomological-deductive and axiomatic aspects of formalized theory	439
J. M. ŻYTKOW / Intertheory relations on the formal and semantic level	450