

TABLE OF CONTENTS

PREFACE	VII
HERBERT FEIGL / Empiricism at Bay?: Revisions and a New Defense	1
ERNAN MCMULLIN / Empiricism at Sea	21
PHILIP L. QUINN / What Duhem Really Meant	33
MICHAEL POLANYI / Genius in Science	57
W. A. SUCHTING / Regularity and Law	73
ERNST MAYR / Teleological and Teleonomic, a New Analysis	91
J. E. MCGUIRE / Forces, Powers, Aethers, and Fields	119
DUDLEY SHAPERE / Natural Science and the Future of Metaphysics	161
STANISA NOVAKOVIC / Is the Transition from an Old Theory to a New One of a Sudden and Unexpected Character?	173
WILLIAM BERKSON / Some Practical Issues in the Recent Controversy on the Nature of Scientific Revolutions	197
A. POLIKAROV / The Divergent-Convergent Method – A Heuristic Approach to Problem-Solving	211
FRED SOMMERS / The Logical and the Extra-Logical	235
ERNEST SOSA / What is a Logical Constant?	253
GOTTLOB FREGE / On the Law of Inertia	257
YEHUDA ELKANA / Scientific and Metaphysical Problems: Euler and Kant	277
W. W. BARTLEY, III / Theory of Language and Philosophy of Science as Instruments of Educational Reform: Wittgenstein and Popper as Austrian Schoolteachers	307
RICHARD POPKIN / Bible Criticism and Social Science	339
JINDŘICH ZELENÝ / Kant, Marx and the Modern Rationality	361
QUENTIN LAUER / The Marxist Conception of Science	377
WŁADYSŁAW KRAJEWSKI / The Idea of Statistical Law in Nineteenth Century Science	397