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# Critical Rationalism, Metaphysics and Science

Edited by I. C. Jarvie and Nathaniel Laor

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# **Critical Rationalism Metaphysics And Science**

I.C. Jarvie, N. Laor

#### **Critical Rationalism Metaphysics And Science:**

Critical Rationalism, Metaphysics and Science I.C. Jarvie, N. Laor, 2012-12-06 I suppose Joseph Agassi s best and dearest self description his cher ished wish is to practice what his 1988 book promises The Gentle Art of Philosophical Polemics But for me and for so many who know him our Agassi is tough minded not tender not so gentle True to his beloved critical thinking he is ever the falsificationist testing himself of course as much as everyone else How he asks himself can he engage others in their own self critical exploration Irritate Question their logic their facts their presuppositions their rationales Subvert their reasoning uncover their motives Help them to lose their balance but always help them make them do it to and for themselves Out of their own mouths and minds and imagination A unique teacher in classroom and out not for everyone Agassi is not guite a tight textual Talmudist disputant not guite the competitor in the marketplace of ideas offered for persuasive sale not quite the clever cross examining lawyer advocate not quite a philosopher scientist not a sceptic more than necessary not quite embat tled in the bloody world but not ever above the battle either but a good deal of all of these Critical Rationalism: Metaphysics and science Ian Charles Jarvie, Nathaniel and steeped in intelligence and good will Popper's Critical Rationalism Darrell Rowbottom, 2011-12-16 Popper's Critical Rationalism presents Popper Laor, 1995 s views on science knowledge and inquiry and examines the significance and tenability of these in light of recent developments in philosophy of science philosophy of probability and epistemology It develops a fresh and novel philosophical position on science which employs key insights from Popper while rejecting other elements of his philosophy Central theses include Crucial questions about scientific method arise at the level of the group rather than that of the individual Although criticism is vital for science dogmatism is important too Belief in scientific theories is permissible even in the absence of evidence in their favour. The aim of science is to eliminate false theories Critical rationalism can be understood as a form of virtue epistemology Critical Rationalism, the Social Sciences and the Humanities I.C. Jarvie, N. Laor, 2013-06-29 An outstanding feature of this book is the broad range of the contributors drawn from Europe the Middle East and North America testifying both to the range of Professor Agassi's interests and the geographical spread of his influence Most contributors use Agassi s ideas as a springboard to engage in debate on issues or offer a contribution in an area that interests him In this volume contributors consider such questions as Agassi s philosophy of education in practice as well as in theory the impact of psychologism in philosophy the origins of critical rationalism in the Bible the debates in economics stimulated by the work of Popper and Agassi and many other topics Besides the special topics the reader gains some sense of the fruitfulness of critical rationalism in the hands of Agassi s friends and colleagues Out of Error David W. Miller, 2006 David Miller is the foremost exponent of the purist critical rationalist doctrine and here presents his mature views discussing the role that logic and argument play in the growth of knowledge criticizing the common understanding of argument as an instrument of justification persuasion or discovery and instead advocating the critical rationalist view that only criticism

matters Miller patiently and thoroughly undoes the damage done by those writers who attack critical rationalism by invoking the sterile mythology of induction and justification that it seeks to sweep away In addition his new material on the debate on verisimilitude is essential reading for all working in this field **The Philosophy of Karl Popper** Herbert Keuth, 2005 This is a systematic exposition of Popper's philosophy covering in part 1 the philosophy of science in part 2 the social philosophy and in part 3 the later metaphysics in particular the theses to solve indeterminism determinism and mind body problems and the famous idea of a third world of objective thought This book is more comprehensive than any current introduction to Popper Its perspicuous structure and lucid exposition should ensure that it could be used in courses in both the philosophy of science and the philosophy of social science The Myth of the Framework Karl Raimund Popper,1994 Covering such issues as the aims of science the role it plays in our civilization the moral responsibility of the scientist the function of a university and the choice between reason and revolution this book defends science and rationality against distortions of its aims and ideals Karl Popper: Metaphysics and epistemology Ian Charles Jarvie, Karl Milford, David W. Miller, 2016-02 Sir Karl Popper 1902 1994 is one of the most controversial and widely read philosophers of the 20th century His influence has been enormous in the fields of epistemology logic metaphysics methodology of science the philosophy of physics and biology political philosophy and the social sciences and his intellectual achievement has stimulated many scholars in a wide range of disciplines These three volumes of previously unpublished essays based on lectures given at the congress KARL POPPER 2002 held in Vienna to mark the centenary of Popper's birth provide an up to date examination of many aspects of Popper's life and thought Volume II deals especially with Popper's metaphysics and epistemology including his proposal critical rationalism that it is through sharp criticism rather than through the provision of justification that our knowledge progresses Several papers tackle the problem of the empirical basis and offer decidedly different answers to some unresolved questions The volume contains also a number of papers evaluating Popper's celebrated but much contested solution to Hume's problem of induction Rationality and Reality Colin Cheyne, John Worrall, 2006-07-25 Alan Musgrave has consistently defended two positions that he regards as commonsensical critical realism and critical rationalism In defence of critical realism he argues for the objective existence of the external world as opposed to idealism as well as arguing for scientific realism against all anti realist accounts of science His critical rationalism is drawn from the work of Karl Popper and stands opposed to inductivist and irrationalist methodologies In defence of these positions Musgrave s writings have covered a wide range of topics in epistemology metaphysics philosophy of science philosophy of mathematics history of science theories of truth and economic theory In this volume a group of internationally renowned authors discuss themes that are relevant in one way or another to Musgrave s work This is not intended as a standard celebratory festschrift but rather as a new examination of topics of current interest in philosophy The contributory essays are followed by responses from Alan Musgrave himself Karl Popper's Philosophy of Science Stefano Gattei, 2008-10-16 This book seeks to rectify misrepresentations of

Popperian thought with a historical approach to Popper's philosophy an approach which applies his own mature view that we gain knowledge through conjectures and refutations to his own development by portraying him in his intellectual growth as just such a series Gattei seeks to reconstruct the logic of Popper's development in order to show how one problem and its Out of Error David Miller, 2017-03 Critical Rationalism Ian Charles tentative solution led to a new problem Jarvie, Nathaniel Laor, 1995 Rationality in Science and Politics G. Andersson, 2012-12-06 This remarkable collection of essays diverse but united by the theme of critical reasoning testifies to the attention and respect paid by the authors to the philosophical career of Gerard Radnitzky We too greet Professor Radnitzky for his decades of intellectual labor devoted to the establishment of rational analysis of human problems Not least of his concerns has been to understand what it is to be rational to disentangle the apparently rational and the genuine to separate dogma from justified belief to cherish imagination while seeking its test If Radnitzky has long been known for his careful elaboration of the spectrum of modem approaches to epistemology those who have gathered to celebrate his work in this volume will also be widely known for their own writings on this matter of critical methodology Their signposts or are they warning lights will be familiar to thoughtful philosophers and scientists and they appear as queries as we read these papers the rational heuristic and the irrational heuristic accepting the fallible differing societies but one rational cognitive practice accepting evidence which is placebogenic choosing among the incommensurables what remains of the logic of demarcation purpose in nature progress of science rationality in politics a humane reasonableness and a critical rationalism Gunnar Andersson sets the focus well for the reader We need not choose between dogmatism and relativism he argues And then he tells the political lesson we might avoid both anarchy and Popper's Critical Rationalism Darrell P. Rowbottom, 2011 This book presents Popper's views on science despotism knowledge and reality and examines the significance and tenability of these in light of recent developments in philosophy Supported throughout with close reference to Popper's writings it presents a novel view of his philosophical outlook and Bunge, 2018-10-08 This collection of essays written on four continents by scientists philosophers and humanists was initially presented to Karl R Popper on his sixtieth birthday as a token of critical admiration and in recognition of his work But the volume also stands on its own as a remarkable series of statements utilizing Popper's critical vision in the study of philosophy proper logic mathematics science as method and theory and finally to the study of society and history What is remarkable is that Popper worked in all of these areas not in a cursory or discursive way but with the utmost clarity and rigor The core position of this volume and its contributors is that the progress of knowledge is not a linear accumulation of definitive acquisitions but a zigzagging process in which counterexamples and unfavorable evidence ruin generalizations and prompt the invention of more comprehensive and sometimes deeper generalizations to be criticized in their turn A critical approach to problems procedures and results in every field of inquiry is therefore a necessary condition for the continuance of progress

The title of this volume then is in a sense an homage to Popper's critical rationalism and critical empiricism The essays are a tribute to his unceasing and uncompromising quest not for final certainty but for closer truth and increased clarity Among the contributors are outstanding figures in philosophy and the exact sciences in their own right including Herbert Feigl R M Hare J O Wisdom Nicholas Rescher David Bohm Paul K Feyerabend F A Hayek and Adolf Grunbaum Social science contributions include Hans Albert on social science and moral philosophy W B Gallie on the critical philosophy of history Pieter Geyl on The Open Society and its Enemies and George H Nadel on the philosophy of History Metaphysics and the History of Science Robert S. Cohen, Marx W. Wartofsky, 1984-09-30 This selection of papers that were presented or nearly so to the Boston Colloquium for the Philosophy of Science during the seventies fairly re presents some of the most disturbing issues of scientific knowledge in these years To the distant observer it may seem that the defense of rational standards objective reference methodical self correction even the distinguishing of the foolish from the sensible and the truth seeking from the ideological has nearly collapsed In fact the defense may be seen to have shifted the knowledge business came under scrutiny decades ago and indeed from the time of Francis Bacon and even far earlier the practicality of the discovery of knowledge was either hailed or lamented So the defense may be founded on the premise that science may yet be liberating In that case the analysis of philosophical issues expands to embrace issues of social interest and social function of instrumentality and arbitrary perspective of biological constraints upon knowledge as well as upon the species wide behavior of human beings in other relationships too of distortions due to explanatory metaphors and imposed categories and of radical comparisons among the perspectives of different civilizations Some of our contributors are frankly programmatic showing how problems must be formulated afresh how evasions must be identified and omissions rectified but they do not reach their own completion Boston Studies in the Philosophy of Science, 2006 Ouébec Studies in the Philosophy of Science Mathieu Marion, Robert S. Cohen, 1996 By North American standards philosophy is not new in Quebec the first men tion of philosophy lectures given by a Jesuit in the College de Quebec founded 1635 dates from 1665 and the oldest logic manuscript dates from 1679 In English speaking universities such as McGill founded 1829 philosophy began to be taught later during the second half of the 19th century The major influence on English speaking philosophers was at least initially that of Scottish Empiricism On the other hand the strong influence of the Catholic Church on French Canadian society meant that the staff of the facultes of the French speaking universities consisted until recently almost entirely of Thomist philosophers There was accordingly little or no work in modern Formal Logic and Philosophy of Science and precious few contacts between the philosophical communities In the late forties Hugues Leblanc was a young student wanting to learn Formal Logic He could not find anyone in Quebec to teach him and he went to study at Harvard University under the supervision of W V Quine His best friend Maurice L Abbe had left a year earlier for Princeton to study with Alonzo Church After receiving his Ph D from Harvard in 1948 Leblanc started his profes sional career at Bryn Mawr College where

he stayed until 1967 He then went to Temple University where he taught until his retirement in 1992 serving as Chair of the Department of Philosophy from 1973 until 1979 *Québec Studies in the Philosophy of Science: Logic, mathematics, physics, and history of science* Mathieu Marion, Robert Sonné Cohen, 1995 *The Roots of Critical Rationalism* John Wettersten, 1992

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