Scientific Objectivity and Its Contexts

The first part of this book is of an epistemological nature and develops an original theory of scientific objectivity, understood in a weak sense (as inter-subjective agreement among the specialists) and a strong sense (as having precise concrete referents). In both cases it relies upon the adoption of operational criteria designed within the particular perspective under which any single science considers reality. The “object” so attained has a proper ontological status, dependent on the specific character of the criteria of reference (regional ontologies). This justifies a form of scientific realism.

Features

- The comprehensive summary of the author’s life work
- Proposes a theory of objectivity that applies equally well to the natural sciences and the humanities
- Takes concepts and methodologies from traditional, analytic and continental philosophy and brings them to a fruitful complementary interplay in the philosophy of science
- Offers a clear methodological framework for interdisciplinary investigation

Contents


Fields of interest

Philosophy of Science; History and Philosophical Foundations of Physics; Mathematical Logic and Foundations

Target groups

Research

Product category

Monograph

Due March 2014

2014. XV, 482 p. 7 illus. Hardcover

$179.00

ISBN 978-3-319-04659-4

Poincaré, Philosopher of Science

Problems and Perspectives

Contents

Preface.- Introduction; Robert DiSalle and María de Paz.- Part I Poincaré’s Philosophy of Science.- 1 Portrait of Henri Poincaré as a young philosopher: the formative years (1860-1873); Laurent Rollet.- 2 The Invention of Convention; Janet Folina.- 3 The third way epistemology: A re-characterization of Poincaré’s conventionalism; María de Paz.- 4 Poincaré, Indifferent Hypotheses and Metaphysics; Antonio Videira.- Part II Poincaré on the Foundations of Mathematics.- 5 Poincaré in Göttingen; Reinhard Kahle.- 6 Poincaré on the Principles of the Calculus; Augusto J. Franco de Oliveira.- 7 Does the French Connection (Poincaré, Lautman) provide some insights regarding the thesis that meta-mathematics is an exception to the slogan that mathematics concerns structures?: Gerhard Heinzmann.- Part III Poincaré on the Foundations of Physics.- 8 Henri Poincaré: The status of mechanical explanations and the foundations of statistical mechanics; João Príncipe.- 9 Poincaré: A scientist inspired by his philosophy; Isabella Serra.- 10 Poincaré on the construction of space-time; Robert DiSalle.- Contributors.- Index.

Fields of interest

Philosophy of Science; Epistemology; Philosophy of Nature

Target groups

Research

Product category

Contributed volume

Due May 2014

2014. X, 392 p. 10 illus., 1 in color. (The Western Ontario Series in Philosophy of Science, Volume 79) Hardcover

$179.00

ISBN 978-94-017-8779-6
A. Fairweather, San Francisco State University, San Francisco, CA, USA (Ed)

**Virtue Epistemology Naturalized**

Bridges between Virtue Epistemology and Philosophy of Science

**Contents**

Chapter 1. Introduction: Virtue epistemology meets philosophy of science; Abrol Fairweather.

Chapter 1. Epistemic Virtue, Cognitive Science & Situationism; Part I. Epistemic Virtue (Carolyn A. Franklin, Pennsylvania State University, USA) Hardcover

Chapter 2. Epistemic Virtue and Formal Epistemology; Part II. Epistemic Virtue and Formal Epistemology; Chapter 3. Categorization, Belief and Acquaintance; Ilhan Inan.

Chapter 4. The Function of Perceptual Responsiveness and the Praxis of Science; Chris Lepock.

Chapter 5. Epistemic Virtue and Reflective Knowledge in Virtue Epistemology; Fernando Broncano.


Chapter 8. Inferential Virtues and Common Epistemic Goods; Abrol Fairweather & Carlos Montemayor.

Chapter 9. Epistemic Values and Disinformation; Don Fallis.

Chapter 10. Epistemic Virtue and Formal Epistemology; Chapter 11. Defeasibility without Inductivism; Juan Comasana.

Chapter 12. Virtues of Theories and Virtues of Theorists; Part III. Virtues of Theories and Virtues of Theorists.

Chapter 13. Acting to know; Adam Morton.

Chapter 14. Is there a place for epistemic virtues in theory choice; Milena Ivanova.

Chapter 15. Epistemic virtues and the success of science; Dana Tulodziecki.


**Fields of interest**

Epistemology; Cognitive Psychology; Ethics

**Target groups**

Research

**Product category**

Contributed volume

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P. Macneill, Singapore, Singapore (Ed)

**Ethics and the Arts**

**Contents**

Table of Contents Introduction • Art and ethics: Chapter 1 Paul Ulhas Macneill Part 1: What is the relation between Arts and Ethics? • At the Crossroads of Ethics and Aesthetics: Chapter 2 Noel Carroll Distinguished Professor, Graduate Center, City University of New York • Nexus between aesthetics and ethics: Chapter 3 John Miles Little Emeritus Professor, Centre for Values, Ethics and the Law in Medicine, University of Sydney Part 2: The Arts and Ethics • performing arts • theatre: Chapter 7 Philipa Rothfield Brief Bio: Senior Lecturer in Philosophy at La Trobe University • Actor’s Embodied Experience: Chapter 6 Phillip B. Zarrilli Professor of Performance Practice Drama Department, University of Exeter • dance: Chapter 7 Philipa Rothfield Brief Bio: Senior Lecturer in Philosophy at La Trobe University, Melbourne, Australia. She writes on philosophy of the body largely in relation to dance. She has engaged with the work of Merleau-Ponty, Nietzsche, Klossowski and Deleuze, to see what each of these philosophers bring to dance and also to see what dance brings to philosophy. Alongside these commitments, she has performed with Russell Dumas (director Dance Exchange, Australia), most recently in Dumas’ Dance for the Time Being. (Melbourne, January and March 2010). She also reviews dance for RealTime, an Australian arts magazine. […]

**Fields of interest**

Ethics; Philosophy (general)

**Target groups**

Research

**Product category**

Contributed volume

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B. Rosslenbroich, University of Witten/Herdecke, Institut für Evolutionsbiologie und Morphologie, Witten, Germany

**The Origin of Autonomy and the Major Transitions in Evolution**

This volume describes features of autonomy and integrates them into the recent discussion of factors in evolution. In recent years ideas about major transitions in evolution are undergoing a revolutionary change. They include questions about the origin of evolutionary innovation, their genetic and epigenetic background, the role of the phenotype and of changes in ontogenetic pathways. In the present book, it is argued that it is likewise necessary to question the properties of these innovations and what was qualitatively generated during the macroevolutionary transitions.

**Features**

- Synthesizes material from many disciplines including zoology, comparative physiology and ethology
- Provides a systems biology perspective on an interdisciplinary topic
- Examines a fundamental question in evolutionary biology

**Contents**

What is the outcome of evolution? - The problem of macroevolutionary trends - The concept of biological autonomy - The major transitions in early evolution - The Cambrian explosion and thereafter - Fluid management in animals

**Fields of interest**

Philosophy of Biology; Evolutionary Biology; History of Science

**Target groups**

Research

**Product category**

Monograph

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2014. X, 280 p. 8 illus. Hardcover

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$129.00

ISBN 978-3-319-04140-7

127
**Handbook of the Philosophy of Medicine**

Philosophy of medicine is thought of today as a distinct discipline with its own set of concerns.

**Features**

- Provides comprehensive coverage of major aspects of philosophy of medicine
- Serves as reference for all relevant stakeholders – physicians, patients, academics, researchers and policy makers
- Covers philosophical, ethical and social issues as well as modern concepts such as use of technology, evidence-based medicine and complementary and alternative medicine (CAM)

**Contents**

Core concepts in health care.
- Organisms.
- Patients.
- Clinical settings.
- Medical knowledge.
- Nosology.
- Health care systems/ institutions.
- Medicine in the service of law/politics.
- Metaphilosophy of medicine and health care.

**Field of interest**

Philosophy (general)

**Target groups**

Research

**Product category**

Handbook

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**Brain, Mind and Consciousness in the History of Neuroscience**

**Contents**


**Fields of interest**

Philosophy of Biology; Neuropsychology; Neurobiology

**Target groups**

Research

**Product category**

Contributed volume

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**Religious Perspectives on Human Vulnerability in Bioethics**

**Contents**

Preface Alberto Garcia Introduction The principle of vulnerability: meeting ground of six religions Joseph Tham General considerations of the principle of vulnerability in bioethics Vulnerability: How did the principle come about? Gonzalo Miranda The principle of vulnerability in the UNESCO Declaration on Bioethics and Human Rights Henk ten Have Vulnerability: Considerations on the Appropriate use of the Term in Bioethics. Martha Tarasco Michel The principle of vulnerability from philosophical, ethical and legal points of view From six different religious perspectives, this section looks at 1) Anthropology of vulnerability (e.g., questions on human contingency, suffering and mortality); 2) Ethics of vulnerability (e.g., respect, compassion /mercy, charity / love); 3) Legal aspects of vulnerability (religious and civil) Vulnerability, Compassion, and Ethical Responsibility: A Buddhist Perspective on the Phenomenology of Illness and Health Ellen Y. [...]
New Series
Logic, Argumentation & Reasoning

Series editor: S. Rahman, Managing editor: L. Keiff

The Series is developed in partnership with the Maison Européenne des Sciences de l’Homme et de la Société (MESHS) at Nord - Pas de Calais and the UMR-STL: 8163 (CNRS). Aims & Scope: The scientific objectives of the series, where humanities and social sciences are conceived as building interdisciplinary interfaces, are: This series publishes volumes that link practices in the Humanities and Social Sciences, with theories in Logic, Argumentation and Reasoning, such as: Decision theory and action theory, Argumentation Theories in: cognitive sciences, economy, sociology, law, logic, philosophy of sciences. The series is open towards research from the Analytic and the Continental traditions, and has four main focus areas: Pragmatic models and studies that develop a dynamic approach to reasoning in which argumentation is structured as an interaction or as a game, in which two or more participants play moves defined by the type of argumentation in question, communication, language and techniques of argumentation: studies between the practical and theoretical dimensions of argumentation, as well as the relationships between argumentation and other modes of communication, reception, persuasion and power: studies in which reasoning practice is considered from the point of view of its capacity to produce conviction of persuasion, and focusing on understanding what makes an argument performative, Diachronic transformations of reasoning practices studies that emphasize the invention and renewal of reasoning forms, with respect to its performance and its effectiveness.

H. R. Wohlrapp, Professor emeritus of philosophy
Universität Hamburg, Hamburg, Germany

The Concept of Argument
A Philosophical Foundation

Arguing that our attachment to Aristotelian modes of discourse makes a revision of their conceptual foundations long overdue, the author proposes the consideration of unacknowledged factors that play a central role in argument itself. These are in particular the subjective imprint and the dynamics of argumentation. Their inclusion in a four-dimensional framework (subjective-objective, structural-procedural) and the focus on thesis validity allow for a more realistic view of our discourse practice. Exhaustive analyses of fascinating historical and contemporary arguments are provided.

Features
- Outlines a thoroughly reflected philosophical fundament of the concept of argument and its role in the growth of knowledge
- Proposes a pragmatic and more nuanced understanding of the concept of argumentative practice and the role of subjectivity in the dynamics of argument
- Deploys fascinating historical and contemporary case studies from the French Revolution to today’s embryo debate
- Critically examines axiomatic ‘rational’ arguments, such as economic ones, to expose the need to transcend the limitations of subjectivity

Contents

Fields of interest
Logic; Pragmatism; Philosophy (general)

Target groups
Research

Product category
Monograph