

## **HOPOS 2008 Program**

*Wednesday, 18 June*

1:00 pm Welcoming Remarks

1:30-4:30 pm: Parallel Session I

Symposium: The Seventeenth Century Origins of Absolute Space and Time  
Geoffrey Gorham, Edward Slowik, Katherine Dunlop, Michael Futch

Analogical Reasoning in Precursors of Absolute Time: Gassendi and Barrow  
Geoffrey Gorham

Cambridge Platonism and Newton's Ontology of Absolute Space  
Edward Slowik

Newton and Barrow on Sensible Measures of Absolute Space  
Katherine Dunlop

Leibniz on Empty Space and Changeless Time  
Michael Futch

Symposium: French Philosophy of Science in the Nineteenth Century  
Warren Schmaus, Michel Bourdeau, Mary Pickering, Michael Heidelberger

Renouvier's Critique of Comte's Sociological Philosophy of Science  
Warren Schmaus

Philosophy of Science and Sociology of Science in Comte  
Michel Bourdeau

The Process and Goals of Scientific Discovery in Auguste Comte's Sociological  
Vision  
Mary Pickering

Poincaré and Sense-physiology  
Michael Heidelberger

Symposium: Strange Bedfellows: Early Empirical Psychology, Early Analytic  
Philosophy  
Alexander Klein, Scott Edgar, Dale Jacquette, Fred Wilson

What Was Russell's Problem with Pragmatism? The Significance of Psychology

Alexander Klein

Empirical Conceptions of the Mind and Anti-Psychologism in the Late Nineteenth Century  
Scott Edgar

Brentano's Scientific Psychology  
Dale Jacquette

Psychology from Introspection to an Objective Science of Behaviour: the Significance of Dewey's Hegelianism and Holt's 'New Realism'  
Fred Wilson

Symposium: The Unity and Boundaries of Aristotle's Natural Science  
Andrea Falcon, James Lennox, Alan Code, Diana Quarantotto

Aristotelian Souls and Aristotelian Natures  
Jim Lennox

The Divine in Aristotle's Physics  
Andrea Falcon

Aristotle and Physical Regularities  
Alan Code

Aristotle on the Scale of Nature and the Divine Goal  
Diana Quarantotto

Contributed Papers I-a:

Chris Haufe, What were Biological Laws?

Marcus Adams, Darwin and Analogical Reasoning

Justin Biddle, 'Science is not a Quest for Certainty': James B. Conant's Pragmatic Theory of Science

4:30-5:00 pm: Coffee Break

5:00-6:30: Plenary Session I:

Margaret Schabas, "That Politics May Be Reduced to a Science': Hume and Smith on the Status of the Moral Sciences."

6:30-8:00 pm: Opening Reception

*Thursday, 19 June*

8:30 am: Coffee Break

9:00am-12:00: Parallel Session II

Symposium: Medical Empiricism in Early Modern Thought

Charles T. Wolfe, Peter Anstey, Benjamin Hill, Justin Smith

Medicine and the Mechanical Philosophy

Peter Anstey

Medical vs. Logical Empiricism in Locke

Benjamin Hill

Heretical Empiricism: Harvey, Locke and the Revisionist View of Experimental Philosophy

Charles T. Wolfe and Alan Salter

Leibniz, Medical Empiricism, and the Care of the Soul

Justin E.H. Smith

Symposium: The Historical Ancestry of Kant's Mathematics

Mary Domski, Alison Laywine, Daniel Sutherland, Michael Friedman  
(commentator)

Locke and Kant on Synthesis and Imagination in Mathematics

Mary Domski

Euclidean Postulates and the Transcendental Deduction

Alison Laywine

Kant on the Principles, Axioms, and Postulates of Mathematics

Daniel Sutherland

Symposium: Bergson, Science, and the Philosophy of Science

Pascal Nouvel, Teresa Castelão-Lawless, Anastasios Brenner, Arnaud François

Is discontinuous Bergsonism Possible?

Teresa Castel

Bergson and the philosophers of science

Anastasios Brenner

Reflecting on life: the place of life in science (as opposed to matter) according to  
Bergson  
Pascal Nouvel

Edward Drinker Cope and the metaphysics of Bergson  
Arnaud Francois

Contributed Papers II-a:

Simon Gouz, "J.B.S. Haldane and the Marxist Philosophy of Science"  
Sandra Pravica, "Gaston Bachelard's Interventions in the Discourse of Philosophy  
of Science in the 1930s."  
Melinda Bonnie Fagan, "Fleck and the Social Constitution of Scientific  
Objectivity"  
Philip Ehrlich, "The Rise of Non-Archimedean Mathematics and the Roots of a  
Misconception"

Contributed Papers II-b:

Thomas Uebel, "Carnap, Explication, and Ramseyfication"  
Alirio Rosales, "Tolerance and the Philosophy of Empirical Knowledge in  
Carnap's *Logical Syntax of Language*"  
Alan Richardson, "Logic as Technology; Metalogic as Metrology: Taking  
Carnap's Instrumentalism Seriously"  
Michael Stöltzner, "Shifting the A Priori: Hans Reichenbach on Causality and  
Probability"

12:00-1:30 pm: Lunch Break

1:30-4:30 pm: Parallel Session III

Symposium: An Intelligent Discussion about Design: Chance, Mechanism and Design in  
the Wake of Darwin's *Origin*  
James Lennox, John Beatty, Alan Love

Teleology and Chance in the Darwin-Gray Correspondence: 1860-64  
James Lennox

Chance, Theology, and Evolution: Conceptual Change in Darwin's Understanding of  
Contingency  
John Beatty

Asa Gray's Evolving Perspective on Teleology and Natural Theology  
Alan Love

Symposium: The Natural and the Neo-Kantian: Empirical Science and Neo-Kantianism  
Lydia Patton, Gary Hatfield, Scott Edgar, Alan Kim

In What Ways Was Helmholtz Kantian?  
Gary Hatfield

Empirical Psychology, Physiology, and the A Priori  
Lydia Patton

Empirical Psychology and Marburg School Neo-Kantianism on the Object of  
Psychology  
Scott Edgar

Function and Symbol in Marburg Philosophy of Science  
Alan Kim

Symposium: First Steps Toward a History of the Philosophy of Science Association  
Gary Hardcastle, Heather Douglas, Alan Richardson

Recovering an American Philosophy of Science: Edgar A. Singer's Work in  
Philosophy of Science, 1894 to 1955  
Alan Richardson

A 'Coalition Dominated by the Unorthodox': The Beginning of the Philosophy of  
Science Association

Gary Hardcastle  
PSA as an Interdisciplinary Society  
Heather Douglas

Contributed Papers III-a:

David Miller, "Inertial Deflections, Representations of Space, and Conservation  
of Motion in Galileo's Dialogues"  
Jutta Schickore, "Vipers, Venom, and the Vagaries of Experiments"  
Jan-Erik Jones, "Robert Boyle and the Intelligibility of Mechanical Explanations"  
Teru Miyake, "Was Newton at Variance with Himself?"

Contributed Papers III-b:

Janet Folina, "DeMorgan and Hamilton: Formalism vs. Intuitionism circa 1835"  
Dirk Schlimm, "Moritz Pasch: A Nineteenth-Century Logical Empiricist"  
Melanie Frappier, "Bohr and Heisenberg on Wave Collapse in the "Usual"  
Interpretation of Quantum Mechanics"  
Alisa Bokulich, "Three Puzzles about Bohr's Correspondence Principle"

4:30-5:00 pm: Coffee Break

5:00-6:30 pm: Plenary Session II

Martin Carrier, "Underdetermination in Twentieth-Century Philosophy of Science and Its Epistemological Impact"

*Friday, 20 June*

8:30 am: Coffee Break

9:00 am-12:00: Parallel Session IV

Symposium: Mechanics and its Philosophical Implications in the Aristotelian Tradition  
Zvi Biener, Sylvia Berryman, Helen Hattab, Maarten Dyck

Moving the Earth: Mechanical Theory and Aristotelian Natural Philosophy  
Sylvia Berryman

Mixed-Mathematics as a Guide to Cartesian Foundationalism  
Zvi Biener

Mechanical Demonstrations and Modern Scientific Method  
Helen Hattab

Mechanical Demonstrations and Modern Scientific Method  
Maarten Van Dyck

Symposium: Philosophy of Science Before and After World War Two (Part One)  
Friedrich Stadler, Thomas Mormann, Christoph Limbeck, Christian Damböck

Russell's Influence on German Neo-Kantianism in the Early 20th Century  
Thomas Mormann

Carnap, Pragmatism, and the Liberalization of Empiricism  
Christoph Limbeck-Lilienau

The Birth Of Inductive Logic From the Spirit of Logical Empiricism  
Christian Damböck

Symposium: The Readings of the Modern Synthesis and Emergence of Philosophy of Biology  
Philippe Huneman, Ron Amundson, David Depew, Jean Gayon

A new Heisenberg principle: Does looking in the closet create skeletons?

Ron Amundson

Two Versions of One Synthesis or Two Rival Syntheses?

David Depew

Biological philosophy among the founders of the Modern Synthesis: before and after 1950

Jean Gayon

Ernst Mayr's major concepts and their fate in the philosophy of biology.

Philippe Huneman

Contributed Papers IV-a:

Manuel Bächtold, "Mach's View on Atoms: A Pragmatist Criticism"

Donata Romizi, "Zisel's Philosophical Writings and the Question of (In)Determinism"

Elisabeth Nemeth, "Ernst Mach's 'Method of Variation' in Otto Neurath's Economic Theory"

Greg Frost-Arnold, "How Did Quine Get from 'Truth by Convention' to 'Two Dogmas'?"

Contributed Papers IV-b:

Vincent Guillin, "The Millian Critique of Phrenology: What J.S. Mill Did Know About Science?"

T.W. Staley, 'Physiological Aesthetics': Grant Allen, Herbert Spencer, and the Epistemological-Aesthetic Crosstalk in Victorian Philosophy of Sensation"

David Nartonis, "Philosophy of Science, Psychology, and Renaissance Theosophy in Nineteenth-Century New England"

James Petrik, Imagination, Sensibility, and Modality: A Defense of the First Argument of Kant's Metaphysical Exposition of the Concept of Space"

12:00-1:30 pm: Lunch Break

1:30-4:30 pm: Parallel Session V

Symposium: Newtonianism in the Eighteenth Century

Karen Detlefsen, Lisa Downing, Eric Schliesser, Andrew Janiak

Maupertuis on (the possibility of) attraction as an inherent property of matter

Lisa Downing

The Newtonian (attempted) refutation of Spinoza

Eric Schliesser

Émilie du Châtelet on Leibniz and Newton: the case of *vis viva*

Karen Detlefsen

Symposium: Philosophy of Science Before and After World War Two (Part Two)  
Friedrich Stadler, Michael Schorner, Hans-Joachim Dahms

Come Back of Logical Empiricism in Austria?  
Michael Schorner

Analytic Philosophy Meets Continental Philosophy: Carnap's Trips to Europe 1964ff.  
Hans-Joachim Dahms

Emergence and Convergence: Philosophy of Science After the Prague Spring and the  
XIV. International Congress of Philosophy in Vienna 1968  
Friedrich Stadler

Symposium: Peirce's Legacy in the Philosophy of Science  
Anya Plutynski, Saul Fisher, John Collier

Peirce's Concept of Abduction  
Anya Plutynski

Transmission of the Peircean Type-Token Concept in Philosophy and Science, 1906 to  
the present day  
Saul Fisher

Peirce's conception of Truth  
John Collier

Contributed Papers V-a:

Robert M. Brain, "Science as Italian Garden or Weedy Tangle: Hugo  
Muensterberg's Idealist Philosophy of the Laboratory and its Pragmatist Critics"  
Shane Zappettini, "The Biology of the Phenomenal: Jacob von Uexküll and the  
Kantian Roots of Early Ethology"  
Susan Hahn, "Into the Wild: A Return to Hegel's *Naturphilosophie*"  
John Michael, "Closing the Circle of the Sciences: On the Central Role of  
Psycho-physiological Parallelism in Piaget's Work"

Contributed Papers V-b:

Guenther Sandner, "Popularization—Humanization—Democratization: The  
Neurath Project and Its Political Dimension"  
Giambattista Formica, "Von Neumann's Methodology of Science: From  
Incompleteness Theorems to Later Foundational Reflections"



Nikolay Milkov, “The Berlin Group and the Vienna Circle: Affinities and Divergences”

Audrey Yap, “Noether and Dedekind on Structures and Ideals”

4:30-5:00 pm: Coffee Break

5:00-6:30 pm: Plenary Session III

Stephen Gaukroger, “The Problem of Calculus: Leibniz and Newton on Blind Reasoning”

7:00 pm: Banquet

*Saturday, 21 June*

8:30 am: Coffee Break

9:00 am-12:00: Parallel Session VI

Symposium: Cassirer on Logic, Mathematics, and Science  
Erich Reck, Jeremy Heis, Massimo Ferrari

"Critical philosophy begins at the very point where logic leaves off": Cassirer's response to Frege and Russell  
Jeremy Heis

Cassirer and Dedekind: On the significance of structural mathematics  
Erich Reck

Contributed Papers VI-a:

Jeffrey K. McDonough, “Leibniz’s Optics and Contingency in Nature: A Look at the Origins of Leibniz’s Mature Natural Philosophy”

James Messina, “Leibniz and the New World of German Cosmology”

Andrea Reichenberger, “The Architecture of Mechanics: Émilie du Châtelet’s *Institutions physiques*”

Contributed Papers VI-b:

Peter Distelzweig, “Mathematics and the Heavens: Aristotle on Subordinate Science and Demonstrative Knowledge of the Heavens”

Tiberiu Popa, “On Laws of Nature in Aristotle”

Margaret Scharle, “Synchronic Justification for Aristotle’s Commitment to Prime Matter”

Contributed Papers VI-c:

Rose-Mary Sargent, "Useful Knowledge: A Role for HOPOS in Debates over Science in the Public Interest"

Matthew Lund, "N.R. Hanson on the Relation between History and Philosophy of Science"

David Stump, "Arthur Pap's Philosophy of Science"

Contributed Papers VI-d:

Eric Oberheim, "Feyerabend, Einstein, and Incommensurability"

Helmut Heit, "How and Why Feyerabend Became a Relativist"

Matteo Collodel, "The Feyerabend-Frank Connection: A Neglected Link between Neo- and Post-Positivism"