HOPOS 2018
University of Groningen

PROGRAM

9-12 July 2018
The series aims to provide a peer-reviewed forum for high-quality monographs and coherent collective volumes on medieval philosophy, written in such a way as to make them comprehensible and interesting to mainstream philosophers and historians of philosophy in Anglophone philosophy departments. Volumes in the series are not required to use medieval philosophy to make a direct contribution to debates in contemporary analytical philosophy (although this is one possibility), but the manner in which the medieval texts are treated should reflect, in an historically sensitive way, the methods and the language of contemporary analytical philosophy – in especial, its ideals of clarity and unpretentiousness.

There are many different varieties of this general ‘analytical’ approach, and the series is open to any of them. The scope of medieval philosophy is taken widely, to include the Arabic, Greek and Jewish traditions, as well as the Latin one, and to run from c.500 to c.1500; works which go on even so far as 1700 may be considered, if they are at least equally concerned with the period before 1500.

• The series is intended to provide a forum for both promising young scholars as well as established researchers.
• Volumes may consist of essay collections (10-18 essays, 6,000-10,000 words each), conference proceedings, and monographs on substantial subjects (80,000 – 200,000 words), with the exception of unrevised PhD dissertations.
• Books are welcome which bring together different disciplines, so long as they fit the aims of the series.
• All books are refereed, and there will be a requirement of philosophical rigour and impeccable historical and textual scholarship. Conference proceedings and other collections of essay must demonstrate a clear rational and internal coherence.

Publications in this series will be of interest to scholars with interests in medieval and analytic philosophy, especially in the Anglophone world.
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Organization

**HOPOS**

**Officers**
- Helen Hattab, University of Houston (President)
- Mary Domsky, University of New Mexico (Vice-President)
- Alan Richardson, University of British Columbia (Past President)
- Marcus Adams, SUNY – Albany (Executive Secretary)
- Matthew J. Brown, University of Texas – Dallas (Treasurer)

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- Katherine Brading, University of Notre Dame
- Justin E.H. Smith, Université Paris 7- Denis Diderot
- Sophie Roux, École Normale Supérieure - Paris
- Cristina Chimisso, The Open University
- David Marshall Miller, Iowa State University

**Program Committee**

**Kant and Before**
- Carla Rita Palmerino, Radboud University (chair)
- Han Thomas Adriaenssen, University of Groningen
- Delphine Bellis, University of Montpellier
- Lisa Downing, The Ohio State University
- James G. Lennox, University of Pittsburgh
- Daniel Sutherland, University of Illinois at Chicago

**After Kant**
- Audrey Yap, University of Victoria (chair)
- Cristina Chimisso, Open University
- Alexander Klein, California State University, Long Beach
- Gregory Lavers, Concordia University
- Thomas Staley, Virginia Tech
- Paul Ziche, Utrecht University

**Local Organizing Committee**
- Martin Lenz (chair)
- Han Thomas Adriaenssen
- Laura Georgescu
- Leah Henderson
- Jan-Willem Romeijn
- Doina-Cristina Rusu
- Andrea Sangiacomo
General Information

Welcome Reception

The welcome reception takes place at City Hall, Grote Markt 1. The reception is offered to you by the University of Groningen, the City of Groningen, and the Province of Groningen.

Conference venue

All conference sessions take place in the Harmony Building:

Harmony Building
Oude Kijk in Het Jatstraat 26

Parallel sessions will be held in the following rooms:

1312.012
1312.018
1312.024
1313.309

Keynote lectures take place in the Baptist Church in Oude Boteringestraat 33. The church is a three-minutes walk away from the Harmony Building:
Sessions

- Each presenter has 30 minutes in total:
  - 20 minutes for the presentation
  - 10 minutes for discussion.

- Eduroam is available in all rooms.

- All rooms are equipped with standard ICT facilities.

- We recommend that those using ppt load their presentations before their session begins. Session chairs will arrive early to coordinate with speakers.

Registration and Book Tables

Registration is open at the following times:
July 9 - 17.00-19.00  City Hall
July 10 - 8.30-14.30  Harmony Building
July 11 - 8.30-14.30  Harmony Building
July 12 - 8.30-14.30  Harmony Building

At registration, you will receive a welcome package, name tag and programme. Please wear your name tag at all times during the conference.

You will find the publishers exhibiting at HOPOS 2018 on the first floor of the canteen (in the Harmony Building). Exhibiting publishers include Springer, Brill and De Gruyter.

Lunch and Coffee breaks

Coffee and Lunch are served on the first floor of the canteen (in the Harmony Building).

Banquet

The conference banquet takes place at Harbour Café (address: Voor Het Voormalig Klein Poortje 10-11), which is located at a 15 minutes distance on foot from the Harmony Building (the main conference venue). The menu will include 8 courses, inspired on both Western and Lebanese cuisines, and a wide selection of beers and drinks.
Plant-based food

The HOPOS 2018 conference adheres to the #PlantPoweredCommunity campaign and will offer plant-based food throughout the event. Food served at lunches, coffee breaks and at the banquet will be entirely plant-based. Some dishes offered during the banquet will include non-vegan components, which will be clearly identified and vegan versions of the same dishes will be available.

Map: from the Harmony Building to the Harbour Café
Mentoring Program

The goal of the HOPOS 2018 mentoring program is to help junior scholars to receive feedback on their paper. Mentees are matched with a mentor in their field of research, who will give advice on how to turn their HOPOS conference paper into a writing sample for job applications and/or a paper to be submitted to a journal.

Mentors and mentees can meet at the following times and locations:

- July 9 between 16:30 and 18:00 in the Canteen of the Harmony Building (first floor).
- July 10 and July 12 during lunch, in one of the following rooms:
  1. 1312.007
  2. 1312.013
  3. 1312.019
  4. 1312.025

Andreas Vesalius’ Fabrica

We are pleased to host the launch of The Fabrica of Andreas Vesalius. A Worldwide Descriptive Census, Ownership, and Annotations of the 1543 and 1555 Editions, by Dániel Margóscy, Mark Somos, and Stephen Joffe.

This book, published in Brill’s Medieval and Early Modern Philosophy and Science series, provides bibliographic information, ownership records, a detailed worldwide census and a description of the handwritten annotations for all the surviving copies of the 1543 and 1555 editions of Vesalius’ De humani corporis fabrica. It also offers a historical analysis of how the Fabrica traveled across the globe, and how readers studied, annotated and critiqued its contents from 1543 to 2017. It also offers a novel interpretation of how an early anatomical textbook became one of the most coveted rare books for collectors in the 21st century.

The presentation by Prof. Paul Bakker (Radboud University, Nijmegen) will take place on July 10th, at the end of session I.
# Program Overview

**MONDAY JULY 9**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>13.30-14.30</td>
<td>Meeting HOPOS Steering Committee</td>
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<td>Coffee break</td>
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<td>15.00-16.15</td>
<td>Meeting HOPOS Steering Committee</td>
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<tr>
<td>16.30-17.45</td>
<td>Mentoring Program</td>
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<td>18.00-19.30</td>
<td>Welcome Reception</td>
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JULY 10

| 9-11 | I. HOPOS Readings of Du Châtelet  
Room 1313.309  
Chair: Mihnea Dobre | II. Carnap's Correspondence  
Room 1312.012  
Chair: Jan-Willem Romeijn | III. Scientific Method  
Room 1312.018  
Chair: Leah Henderson | IV. Mind and Psychology  
Room 1312.024  
Chair: Emily Herring |
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<td>Janiak</td>
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11-11.30 COFFEE

| 11.30 - 13.00 | V. Newtonian HOPOS  
Room 1313.309  
Chair: Iulia Mihai | VI. Popperian HOPOS  
Room 1312.012  
Chair: Leah Henderson | VII. History of Logic Revisited  
Room 1312.018  
Chair: Iulian Toader | VIII. H-P Life Sciences 1  
Room 1312.024  
Chair: Boris Demarest |
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<td>Wilks</td>
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13.00-14.30 LUNCH

| 14.30 - 16.00 | IX. Early Modern Science and Maths  
Room 1313.309  
Chair: Bennett McNulty | X. Popper and Gödel  
Room 1312.012  
Chair: Sinaida Sokuler | XI. Evolution of mathematical notation  
Room 1312.018  
Chair: Marco Giovanelli | XII. H-P Life Sciences 2  
Room 1312.024  
Chair: Hannah Rubin |
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16.30-18.00 **Baptist church** (Oude Boteringestraat 33)  KEYNOTE LECTURE KAREN DETLEFSEN
## JULY 11

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<th>Time</th>
<th>Session</th>
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<th>Chair</th>
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</table>
| 9-11     | XIII. EM Natural Philosophy 1
          | Room 1313.309                              |            |
          | XIV. History of Mathematics 1
          | Room 1312.012                              |            |
          | XV. Kuhn and Revolutions
          | Room 1312.018                              |            |
          | XVI. Kant and Hegel
          | Room 1312.024                              |            |
| 11-11.30 | COFFEE                                       |            |                        |
| 11.30-13.00 | XVII. Causation
           | Room 1313.309                              |            |
          | XVIII. History of Mathematics 2
          | Room 1312.012                              |            |
          | XIX. Wiener Kreis
          | Room 1312.018                              |            |
          | XX. Ancient HOPOS
          | Room 1312.024                              |            |
| 13.00-14.30 | GENERAL BUSINESS LUNCH                      |            |                        |
| 14.30-16.00 | XXI. Action at a Distance
              | Room 1313.309                              |            |
|           | XXII. Structuralism avant la lettre
| Room 1312.012                              |            |
|           | XXIII. Realism and Anti-Realism
          | Room 1312.018                              |            |
|           | XXIV. Kantianism
<pre><code>      | Room 1312.024                              |            |
</code></pre>
<p>| 16.30-18.00 | Baptist church (Oude Boteringestraat 33)   |            | KEYNOTE LECTURE MARTIN KUSCH |
|           | 19.00 Harbour Café (Voor Het Voormalig Klein Poortje 10-11) BANQUET |            |</p>
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<tr>
<th>Time</th>
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<tr>
<td>9-11</td>
<td>XXV. EM natural philosophy 2</td>
<td>1313.309</td>
<td>Jip van Besou</td>
<td>Schwartz, Giovanelli, Martinez, Stump</td>
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<td>XXVI. Implicit definitions</td>
<td>1312.012</td>
<td>Han Thomas Adriaenssen</td>
<td>Rediehs, Schiemer &amp; Giovannini, Chimisso, Patton</td>
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<td>XXVII. Historiography</td>
<td>1312.018</td>
<td>Javier Poveda Figueroa</td>
<td>Jalobeanu, Biagioli, Malaterre, Chartier, Pulizzotto, Howard</td>
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<td>XXVIII. Pragmatism</td>
<td>1312.024</td>
<td>Jan-Willem Romeijn</td>
<td>Creel, Cantù, Petrovic</td>
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<td>11.30</td>
<td>XXIX. EM Life Sciences</td>
<td>1313.309</td>
<td>Barnaby Hutchins</td>
<td>Duran, Giovanelli, Strauss, Mostajir</td>
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<td>11.30</td>
<td>XXX. H-P of the natural sciences 1</td>
<td>1312.012</td>
<td>Jonathan Regier</td>
<td>Noble, Gomatam, Sokolova, Brown</td>
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<td>11.30</td>
<td>XXXI. Apriorism</td>
<td>1312.018</td>
<td>Charles Wolfe</td>
<td>Marinucci, Ivanova, Crewe, Cristalli</td>
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<td>13.30</td>
<td>XXXII. Dewey and Peirce</td>
<td>1312.024</td>
<td>Doina-Cristina Rusu</td>
<td>Duran, Giovanelli, Strauss, Mostajir</td>
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<td>13.30</td>
<td>XXXIII. Animism</td>
<td>1313.309</td>
<td>Han Thomas Adriaenssen</td>
<td>Demarest, Ierna, Sangiacomo, Nelson</td>
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<td>13.30</td>
<td>XXXIV. H-P of the natural sciences 2</td>
<td>1312.012</td>
<td>Helmut Heit</td>
<td>Meyns, Toader, Betti &amp; van den Berg, Crippa</td>
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<tr>
<td>13.30</td>
<td>XXXV. Computational History</td>
<td>1312.018</td>
<td>Javier Poveda Figueroa</td>
<td>Regier, Kuby, Rebasti &amp; Heiden, Mantovani</td>
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<td>13.30</td>
<td>XXXVI. Cartesian HOPOS</td>
<td>1312.024</td>
<td>Doina-Cristina Rusu</td>
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11.-11.30 COFFEE

13.00-14.30 LUNCH
Program

I. HOPOS Readings of Du Châtelet (CP)

Andrew Janiak, Duke University. Metaphysics and Method in Emilie Du Châtelet (8)
Adriana Solomon, University of Southern California. Émilie Du Châtelet’s Contribution to the Metaphysics of Forces. (218)
Paul Bakker, Radboud University, Nijmegen. Book presentation. Vesalius’ Fabrica.

II. Rudolf Carnap’s Professional Correspondence (S)

Christian Damboeck, University of Vienna. The Development of Carnap’s Aufbau as Illustrated by the Correspondence and the Diaries (72)
Adam Tuboly, Hungarian Academy of Sciences. The 1940-45 Neurath-Carnap correspondence and its philosophical significance (74)
Meike Werner, Vanderbilt University. Before the analytical turn: Rudolf Carnap’s way into politics, 1908-1920 (71)
Johannes Friedl, University of Graz. The roots of Carnap’s “Testability and Meaning” in the Vienna Circle’s Protocol Sentence Debate (73)

III. Scientific Method (CP)

Klodian Coko, Western University. The Method of Hypothesis in the 19th Century: Whewell, Mill, Herschel, Jevons, and Peirce on the Consilience Criterion (195)
Yafeng Shan (Durham University) and Jonathon Hricko (Yang-Ming University). Davy on Analogical Reasoning (67)
Jamie Shaw, Western University. Duhem on Good Sense and Theory Pursuit (65)
David Kristinsson, Humboldt University Berlin. The relationship of early German-speaking sociology to philosophy (164)
IV. Mind and Psychology (CP)

Deborah Brown, University of Queensland. Lessons from Sherrington: what a theory of consciousness should tell us about pain (64)


V. Newtonian HOPOS (CP)

Zvi Biener, University of Cincinnati. Newton’s Rule 3 is Less Complicated than You Think: It’s A Rebuke of Huygens and a Defense of Simple Induction (102)

Patrick Connolly, Lehigh University. Locke, Newton, and Demonstration in Natural Philosophy (91)

Jip van Besouw, Vrije Universiteit Brussel. Moral necessity as ’s Gravesande’s argument for the knowability of the natural order (14)

VI. Popperian HOPOS (CP)

Nathan Oseroff, King’s College London. Don’t be a Demarc-hater. Correcting Popular Misconceptions of Popper’s Demarcation Criterion and Demarcation Problem (2)

Jitka Paitlova, University of West Bohemia. Kantian Roots of Karl Popper’s Scientific Methodology (24)

VII. The History of logic Revisited (S)

Andrea Reichenberger, Paderborn University. Marie Deutschbein’s and Walther Brand’s ‘Introduction into the Philosophical Foundations of Mathematics’ (275)

Anna-Sophie Heinemann, Paderborn University. Wilma Papst on Frege (274)

Francine Abeles, Kean University. Proof Transformations in the Work of Charles L. Dodgson and Christine Ladd-Franklin (273)

VIII. History and Philosophy of the Life Sciences I (CP)
Mazviita Chirimuutta, University of Pittsburgh. Constructing the Organism in the Age of Abstraction (183)

Jessica Williams, University of South Florida. Kant and the Science of Empirical Schematism (10)

Anna Frammartino Wilks, Acadia University. Kant’s Reciprocal Causality and the Problem of Holobionts (187)

IX. Early Modern Science and Mathematics (CP)

Mihnea Dobre, University of Bucharest. Mathematical controversies around Cartesianism: Clerselier, Fermat, Rohault (243)

Laura Georgescu, University of Groningen. Dipping needles and rotating poles: What a mistaken solution tells us about legitimate and illegitimate uses of mathematics in natural philosophy (112)

Sylvia Pauw, University of Amsterdam, University of Ghent. Mathematical vs. logical necessity: the case of Bernard Nieuwentijt (129)

X. Popper and Gödel (CP)

Matteo Collodel, Independent scholar. Popperian Roots of Feyerabend’s Theoretical Pluralism (238)

Mirja Hartimo, University of Jyväskylä. Gödel, Skolem, and Husserl’s Crisis (31)

XI. The evolution of notations in mathematical practice (S)

David Waszek, Pantheon Sorbonne University, IHPST. From notational change to substantial discovery: Leibniz, Bernoulli, and the exponential notation for differentials (150)

Emmylou Haffner, Bergische Universität Wuppertal. The secret life of notations: what mathematical drafts tell us about choosing and changing notations? (122)

Dirk Schlimm, McGill University. The evolution of notations for the algebra of logic (236)

XII. History and Philosophy of the Life Sciences II (CP)

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Emily Herring, University of Leeds. Henri Bergson’s Biological Theory of Knowledge (93)

Charles Pence, Louisiana State University. Chance, Statistics, and Experiment in Early Evolutionary Biology (29)
XIII.  Early Modern Natural Philosophy I (CP)


Flavia Marcacci, *Pontificia Lateran University.* G.B. Riccioli’s Use of ‘Epicecylces’ and Spirals (46)

Robert Disalle, *Western University.* The relativity of motion and the mathematical method of Newtonian physics (229)

Oana Lidia Matei, *Vasile Goldis University.* Universal spirit and particles: John Evelyn’s matter theory in Elysium Britannicum (41)

XIV.  History of Mathematics I (CP)

Iulia Mihai, *Ghent University.* Leonhard Euler on vibrations and the general solution to the problem of the string (177)

Henning Heller, *University of Vienna.* The Hypergalois Programme of Felix Klein 937)

Valérie Lynn Therrien, *Western University.* The axiom of choice and the road paved by Sierpinski (62)

Miklos Redei (*London School of Economics*), Zallan Gyenis (*Jagielonian University*), Gabór Hofer-Szabó (*Research Center for the Humanities, Budapest*). Kolmogorov’s solution (1933) of the Borel Paradox (1909) (128)

XV.  Kuhn and Revolutions (CP)

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Jeremy Burman, *University of Groningen.* Jean Piaget's unpublished causality manuscripts: An archival discovery complexifying the Kuhn connection (136)

Josef Moural, *Charles University/UC Berkeley.* Microrevolutions in Thomas Kuhn's Structure: how much revision do they require? (203)

Ohad Reiss Sorokin, *Princeton University.* The Integration and Disintegration of the History and Philosophy of Science in Princeton University, 1961-1981 (264)
XVI. Kant and Hegel (CP)

Bennett McNulty, University of Minnesota. Beyond the Metaphysical Foundations of Natural Science: Kant’s Empirical Physics and the General Remark to the Dynamics (90)

Paolo Pecere, University of Cassino and Southern Lazio. Kantianism and organisation of the Mind. A Neglected Aspect of Kant’s Legacy in 19th Century Physiology of Mind (79)

Zeyad El Nabolsy, Cornell University. Hegel’s Proto-Modernist Conception of Philosophy as a Science (5)

XVII. Causation (CP)

Michael Jaworzyn, KU Leuven. Eleatic Occasionalism: Descartes, Geulincx, and Langenhert on Causation (193)

Laurynas Adomaitis, Scuola Normale Superiore di Pisa. Cause and Effect in Leibniz’s Brevis demonstratio (27)

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Vincenzo De Risi, SPHERE, CNRS. From Definitions to Axioms: The Meaning of Geometrical Principles from Euclid to Hilbert (44)

XIX. Wiener Kreis (CP)

Gergely Ambrus, Eötvös Loránd University. Carnap and Wittgenstein on psychological sentences: 1928-1932. Some further aspects of the priority dispute over physicalism (233)

Fons DeWulf, Ghent University. Shifts in Hempel’s Logic of Science (123)

Zinaida Sokuler, Lomonosov Moscow State University. Wittgenstein’s philosophy of mathematics in the context of philosophy of science: an engineering approach (255)

XX. Ancient HOPOS (CP)

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Tiberiu Popa, Butler University. Aristotle on Environmental Causation (40)
Jacqueline Feke, University of Waterloo. Ptolemy on Nature (56)

XXI. Redefining action at a distance through corpuscularianism (S)

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Rodolfo Garau, Bard College Berlin. Gassendi vs Astrology. Corpuscularism and Action at a Distance in Early Modern France (178)

XXII. Structuralism avant la lettre (S)

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Georg Schiemer, University of Vienna. Transfer principles and Klein’s group-theoretic structuralism (260)

María De Paz, University of Seville. The double origin of Poincaré’s conventionalism: methodological structuralism and hypothetical-deductive method (120)

XXIII. Realism and anti-realism (CP)

Helmut Heit, Tongji University. Debunking Knowledge: Nietzsche’s Role in the History of Relativism (15)

Tarun Jose Kattumana, KU Leuven. Husserlian Phenomenology and Scientific Realism (96)

Emily Thomas, University of Durham. British Idealism and Science: May Sinclair on Spacetime (7)

XXIV. Historical Thought in German Neo-Kantianism (S)

Hamid Nabeel, University of Pennsylvania. Law and Structure in Dilthey’s Philosophy of History (32)

Katharina Kinzel, University of Vienna. Heinrich Rickert, the historical sciences, and the autonomy of philosophy (33)

Scott Edgar, Saint Mary’s University. Hermann Cohen on history and the universal validity of knowledge (241)

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Daniel Schwartz, American University in Bulgaria. Demonology Naturalized: The Baconian Roots of Joseph Glanvill’s Inquiry into Witchcraft (94)
Laura Rediehs, *St. Lawrence University*. Resisting the Mechanization of Nature (185)

Dana Jalobeanu, *University of Bucharest*. From objects of wonder to “perceptive instruments.” The mathematization of natural magic (176)

Kathleen Creel, *University of Pittsburgh*. ‘There must be a tub to amuse the whale’: Joseph Black’s Methodology Reconsidered (227)

**XXVI. What are Implicit Definitions? (S)**

Marco Giovanelli, *University of Tübingen*. Debunking the Myth. Einstein on Implicit Definitions (101)

Georg Schiemer (*University of Vienna*) & Eduardo Giovannini (*CONICET*). Implicit definitions and the development of modern axiomatics (54)

Francesca Biagioli, *University of Vienna*. Federigo Enriques and the philosophical background to the discussion of implicit definitions (55)

Paola Cantù, *Aix-Marseille University*. The role of implicit definitions in the Peano School (58)

**XXVII. Historiography (CP)**

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Restaurant Tips

Groningen boasts many excellent restaurants, all of which also cater for vegetarians. The following is just a small selection of different cuisines.

- **De Kleine Moghul**, Nieuwe Boteringestraat 62
  Wonderful Parsi food, main courses between 9 and 12 euros

- **Eetcafé Roezemoes**, Zuiderdiep 15
  Typical Dutch cuisine, main courses around 15 euros, the ‘stampotten’ are recommended

- **De Oude Brandweer**, Zuiderdiep 75-77
  Restaurant with a fire brigade theme, main courses 15 a 20 euros

- **Dinercafé Soestdijk**, Grote Kromme Elleboog 6
  Restaurant with a royalty theme, main courses around 18 euros

- **Hock Sieng**, Vismarkt 28
  Very nice Vietnamese food, main courses around 13 euros

- **Osteria Da Vinci**, Turfsingel 33-1
  Very nice Italian, pasta dishes around 13 euros, main courses around 20 euros

- **Brussels Lof**, A-kerkstraat 24
  Wonderful vegetarian and fish restaurant, main courses around 20 euros

- **Bistro Het Gerecht**, Oude Boteringestraat 45,
  Posh, main courses between 25 and 40 euros