

SCIENTIAE

DISCIPLINES OF KNOWING
IN THE EARLY MODERN WORLD

5-7 July, St Anne's College, University of Oxford





Scientiae 2016 has been made possible thanks to the generous support of the History Faculty of University of Oxford, St Anne's College, the University of Oxford Fell Fund, the Museum of the History of Science, the British Society for the History of Science, and the Society for the History of Alchemy and Chemistry, whose sponsorship and help we gratefully acknowledge.

Scientiae 2016 would like to particularly thank Jane Smith, Arno Bosse, Amanda Millward, Lisa Simmons, Ana Bacharach and the staff of the University Store (particularly Fiona and Caroline) for their tremendous support.

Conference Committee:

Lead Convenor: Georgiana Hedesan (Oxford)

Conference Advisor: Howard Hotson (Oxford)

Organising Committee: Karen Hollewand (Oxford) and Cornelis J. Schilt (Oxford)

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Steven Matthews (University of Minnesota, Duluth), Richard Raiswell (University of Prince Edward Island), David Beck (University of Warwick), Vittoria Feola (University of Padua / University of Oxford), and James A.T. Lancaster (Royal Holloway, University of London).

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Tuesday, 5th July 2016

Location: St Anne's College

8:00-9:00 **Registration and Coffee**

9:00-9:10 **Convener's Welcoming Address – Georgiana Hedesan (Oxford), *Mary Ogilvie Lecture Theatre***

9:10-9:45 **'Touring Seventeenth-Century Oxford' - Prof Howard Hotson (Oxford), *Mary Ogilvie Lecture Theatre***

10:00-11:30 **Concurrent Session 1**

Mary Ogilvie Theatre

1. Transformations of Aristotle in Early Modern Literature

Chair: Kathryn Murphy (Oxford)

Michael Hetherington (Oxford),

'“A Species of Quality called Arte”: Aristotle's Categories and the Language of Early Modern Poetics'

Kathryn Murphy (Oxford),

'In Praise of Accidents: Aristotle's Categories in Francis Bacon, Thomas Browne, and Thomas Traherne'

Jessica Wolfe (Chapel Hill),

'Aristotelian Locomotion and the Disorientation of Man in the Seventeenth Century'

Room 8, RDB

2. Seventeenth-Century Alchemy

Chair: Tara Nummedal (Brown)

Rafal T. Prinke (Eugeniusz Piasecki Poznań),

'The Quest of Unknown Philosophers: A Mid-17th Century Alchemical Society Project'

Judith Mawer (Goldsmiths London),

'Religion and Chymistry: Strange Bedfellows in a Seventeenth-Century Utopian Landscape'

Mike A. Zuber (Amsterdam),

'Alchemical Manuscripts, Patronage and Correspondence, 1684/85: Duke Frederick I of Saxe-Gotha, Johann Heinrich Vierordt and the 'Speculum Sapientiae''

Room 9, RDB

3. The Uses of Ancient History in Enlightenment Historical Thought

Chair: Anton Matytsin (Kenyon)

Frederic Clark (New York)

'Narrating Antiquity's End and Modernity's Origins in Late Humanist Scholarship: The Case of Jacob Perizonius'

Anton Matytsin (Kenyon),

'Conflicting Chronologies at the Académie des Inscriptions'

Eleá de la Porte (Amsterdam),

'Ancient Lessons in Writing Modern History: Dutch Ideas on the History of Historiography and Historical Writing (1750-1800)'

Room 3, Outhouse

4. Understanding the Vegetable World

Chair: Ana Cristina Roque (CH-ULisboa)

Rachel Koroloff (Harvard),

'From *Travniki* to *Travniki*: Herbals, Herbalists and Knowledge about the Natural World in Seventeenth-Century Muscovy'

Luigi Guerrini (Galileo Museum),

'Federico Cesi and the *Syntaxis Plantaria*: a Visual Encyclopedia of the Vegetable World'

Ana Duarte Rodrigues (Lisbon),

'Citrus Horticultural Knowledge: The Challenge Faced by Northern European Countries'

11:30-12:00 **Coffee / Tea**

12:00-13:30 **Concurrent Session 2**

Mary Ogilvie Theatre

1. Natural History and the Rise of Modernity

Chair: Alix Cooper (SUNY)

Sebastian Kroupa (Cambridge),

'The Exchange between James Petiver and Georg Joseph Kamel (1696-1709): Drugs, Letters, Periodicals and Collectibles, or the Many Faces of Early Modern Natural History'

Simona Boscani Leoni (Bern),

'Making Natural History in German Speaking Countries and the 'Invention' of the Alps'

Jennifer Coston-Guarini (Bretagne),

'Doing Lawless Science: Evidence for the Origins of the Current Crisis in Ecological Scientific Practice from Buffon's *Histoire Naturelle*'

Room 8, RDB

2. Continuity and Change: Theories of Matter in Early Modern Medicine

Chair: Joel A. Klein (Columbia)

Elisabeth Moreau

(Brussels/Nijmegen),

'From Elements to Complexion: Discrete Matter in Late Renaissance Physiology'

Joel A. Klein (Columbia),

'*Minima Naturalia* and Corpuscles in Sixteenth-Century Paduan Medicine'

Georgiana D. Hedesan (Oxford),

'Transmuting Medical Practice into Theory: The Case of the Mummy'

Room 9, RDB

3. Languages of Knowledge

Chair: Courtney Weiss Smith (Wesleyan)

Courtney Weiss Smith (Wesleyan),

'John Wilkins's Poetics of Things'

Sean Silver (Michigan),

'Information and Irony from Wilkins to Austen'

Tita Chico (Maryland),

'"Mathematical Plainness" as Abstract Knowledge: The Ladies' Diary, or Woman's Almanack'

Room 6, Garden

4. Musical *Scientia*

Chair: Bernd Kulawik (Werner Oechslin Library, Einsiedeln)

Carlos E. Calderón Urreiztieta

(Pompeu Fabra),

'Music and "An-esthetics" in the Early Modern Science: The Monochord as Scientific Instrument'

Brandon Konoval (British

Columbia),

'Pythagorean Pipe Dreams? Ratios of Pipe Scaling from Vincenzo Galilei through Marin Mersenne'

Olivia Reilly (Oxford),

'"[C]aught in the Meshes of the Word": Musical Knowing in Samuel Taylor Coleridge'

Room 3, Outhouse

5. Holy Science: True and False Miracles in Early Modern Christianity

Chair: Beatrice Saletti (Udine)

Beatrice Saletti (Udine),

'Miracles in the Holy Land: Medieval Pilgrims among Devotion, Bad Faith and Scientific Explanation (1330-1630)'

Nicoletta Taurian (Trieste/Udine),

'Gerolamo Cardano: The Enchantment of Science'

Elisa Frei (Trieste/Udine),

'Matteo Ricci: True and False Miracles in the Ming Empire'

13:30-14:30 **Buffet Lunch**

14:30-16:00 **Concurrent Session 3**

Mary Ogilvie Theatre

1. Knowledge Transmission: Copying, Trading, Translating

Chair: Steve Matthews (Minnesota)

Manuela Mayer (Vienna),
'Make, Use and Distribution of Facsimiles in the 17th and 18th Centuries'

Vittoria Feola (Padua/Oxford),
'The Paris-Padua Connection in the Early Modern Venetian Book Trade'

Gabriela E. Dima (Cuza, Iasi)
'Physical Sciences in Bishop Amfilohie of Hotin's Translation'

Room 8, RDB

2. Thinking with Images

Chair: Jennifer M. Rampling (Princeton)

Alexandra Marraccini (Chicago),
'The Six-Fold Mirror: Alchemical Process As Image in Glasgow MS Ferguson 6'

Giulia Martina Weston (Courtauld London),
'Salvator Rosa and Niccolò Tornio: Portraying Alchemical and Astronomical Knowledge in post-Galilean Rome'

Rebecca Whiteley (UCL),
'Fetal Fruit, Maternal Tree: Analogical Thinking about the Pregnant Body and the Unborn Child in Seventeenth-Century England'

Room 9, RDB

3. The Translation of Knowledge in Early Modern Italy and Central Europe: Rhetoric, Medicine, and Cosmology

Chair: Stefano Gulizia (Independent)

Teodoro Katinis (Venice),
'Rhetoric and Medicine in Early Modern Italy: Francesco Redi between Galilean Method and Vernacular Tradition'

Stefano Gulizia (Independent),
'The Memorialization of Impolite Humor in Galileo'

Tomáš Nejeschleba (Palacky University Olomouc),
'Valeriano Magni on Galileo Galileo and Copernican Cosmology'

Room 6, Garden

4. Christian and Philosophical Scepticism

Chair: James Lancaster (Royal Holloway, London)

Onésimo T. Almeida (Brown),
'The Philosophical Impact of the Overseas Maritime Discoveries on the Scepticism of Francisco Sanches'

Alexandra W. Albertini (Corsica),
'Occasionalism and Superstition in Nicolas Malebranche's Work: a Paradoxical Relationship'

Jessie Hock (Vanderbilt),
'Lucretius and Margaret Cavendish's Defense of Women's Writing'

Room 3, Outhouse

5. Changing Perspectives on the Bible at the Turn of the Eighteenth Century

Chair: Howard Hotson (Oxford)

Karen Hollewand (Oxford),
'Bekker versus Beverland: Sex, the Devil, and Biblical Criticism in the Late Seventeenth-Century Dutch Republic'

Floris Verhaart (Oxford),
'From the Bible to Homer: The Controversy about Simon's 'Histoire critique du Vieux Testament' and its Consequences for Classical Scholarship'

Mara van der Lugt (Göttingen),
'The Book of Job in the Early Enlightenment.'

16:00-16:30 **Coffee / Tea**

16:30-18:30 **Concurrent Session 4**

Mary Ogilvie Theatre

1. Theories of Vision and Perspective

Chair: Martin Kemp (Oxford)

Barbara Tramelli (Berlin),
'*Acutissima è la Prospettiva*: Giovanni Paolo Lomazzo's Theoretical and Practical Suggestions on Perspective'

Ang Li (Oxford),
'Leonardo's Campo in Theory and Practice'

Richard Talbot (Newcastle),
'Can We Believe our Eyes?'

Antoine Gallay (Geneva/Paris X),
'Sébastien Le Clerc's Theory of Vision and the Truth of Perspective Representation'

Room 8, RDB

2. Witchcraft, Demons and Magic

Chair: Wouter Hanegraaff (Amsterdam)

Jillian Bolin (San Diego),
'None Serves Satan That Are Not Marked': Discerning Agency and Guilt in the Scottish Witch-Hunt'

Jessica Price (Cornell),
'The "Noted Wizard" of Bombay and Other Magical Criminals: Exploring Witchcraft and Demonology in Seventeenth-Century Colonial India'

Guido Nerger (Berlin),
'Hermeticism and Revolution. Philosophical and Social Radicalisations under the Label *magia naturalis* from Marsilio Ficino to Robert Fludd'

Room 9, RDB

3. Knowledge and Human Nature

Chair: Hiro Hirai (Nijmegen)

Jan Cizek (Olomouc / Ostrava),
'The Concept of Man in the Works of John Amos Comenius'

Romana Bassi (Padua),
'Francis Bacon's Science of Human Nature and its Italian Reception'

Yoel Mitrani (Sciences Po Paris),
'Genius': Inborn or Acquired? An 18th Century English Debate over how Great Ideas Come to Be

Room 6, Garden

4. Literary Ways of Knowing

Chair: Steve Matthews (Minnesota)

Martin Korenjak (Innsbruck / Ludwig Boltzmann Institute),
'Popular Science: Latin Didactic Poetry'

Morwenna Carr (Roehampton),
'Prosthetic Connections: the Multidisciplinary Representation of Prosthetics'

Ashley Benning (Birmingham),
'Denmark as Laboratory: Experimental Science in Shakespeare's Hamlet'

Kathryn Walls (Victoria Wellington),
'Alexander Pope's *Rape of the Lock* and Descartes' *Passions de l'Ame*'

Room 3, Outhouse

5. New Perspectives on Newton and Newtonianism

Chair: Charlie Huenemann (Utah)

Hanna Szabelska (Jagiellonian),
'Ontological Double Dutch of the Synthetic Method: Propositions 39-41 of Book I of Newton's 'Principia' and their Reception'

Paul Greenham (Tel Aviv),
'Isaac Newton's Descriptive-Translational Reading of Figurative Texts'

Cornelis J. (Kees-Jan) Schilt (Oxford),
'Back to the Future: The Digital Life of Isaac Newton's Chronology'

Patrick J. Connolly (Iowa State),
'The Influence of Locke's Essay on Maclaurin's Account'

19:00-20:30 **Plenary Session 1 - Prof Martin Kemp (Oxford): 'Mona Lisa: Leonardo's Quest for a Universal Picture', *Mary Ogilvie Lecture Theatre***

20:30-22:00 **Drinks Reception and Finger Buffet, St Anne's Marquee**

Wednesday, 6th of July 2016

Location: St Anne's College

09:00-10:30 Concurrent Session 5

Mary Ogilvie Theatre

1. Learning from Nature: Collecting and Experimenting

Chair: Vittoria Feola (Padua/Oxford)

Marianne Klemun (Vienna),
'Knowledge Through Diverse Objects. Collections of the University of Vienna in Early Modern Times'

Ana Cristina Roque (CH-ULisboa),
'Collecting 'Natural Objects' in the Portuguese Empire: Contribution of the 18th Century Expeditions of Galvao da Silva and Joao Feijo to a Scientific Approach of Nature'

Mackenzie Anne Cooley (Stanford),
'"Little by Little They Lost Their Strength:" Theories and Practices of Animal Breeding in Renaissance Italy'

10:30-11:00 Coffee / Tea

11:00-12:30 Concurrent Session 6

Mary Ogilvie Theatre

1. *Fontes Inediti Numismaticae Antiquae* (FINA)

Chair: Daniela Williams (Austrian Academy of Sciences)

Daniela Williams (Austrian Academy of Sciences),
'FINA and its First Project: Joseph Eckhel (1737-1798) and his Numismatic Network'

Volker Heenes (Erfurt),
'Jacopo Strada's *Magnum ac Novum Opus*: A Sixteenth-Century Numismatic Corpus'

Daniel Schopper (Austrian Academy of Sciences),

'Towards a Digital Ecosystem for Numismatic Editions'

Room 8, RDB

2. The Culture of Medical Experimentation (1540-1680)

Chair: Fabrizio Bigotti (Exeter)

Fabrizio Bigotti (Exeter),
'The Logic of Medical Experimentation: Proof and Anatomy from Vesalius to Santorio'

Peter Elmer (Exeter),
'Chemistry, Medical Innovation and Royalism in Interregnum Cambridge: the Case of Trinity College'

Jonathan Barry (Exeter),
'Experimentation in Medical Training and Practice: Everard Maynwaring and the mid-17C Debate on Medical Reform'

Room 8, RDB

2. Instruments and Techniques

Chair: Jim Bennett (Science Museum, London)

Samuel Gessner (Lisbon) and Janine Rogers (Mount Allison),
'Revisiting 'Chaucerian Astrolabes': Relationship between Material and Literate Cultures in 15th and 16th Century England'

Stephen Johnston (MHS Oxford),
'How William Gilbert Learnt His Lesson'

Eunsoo Lee (Stanford),
'Mathematical Diagrams from Virtual Construction to Practical Construction'

Room 9, RDB

3. 'Normal Science' in the Early Modern Humanities

Chair: Rens Bod (Amsterdam)

Bart Karstens (Amsterdam),
'The Port Royal Grammar as an Exemplar of the Study of Language'

Floris Solleveld (Nijmegen),
'A Science of Letters? *Historia Literaria* and 'Normal Science' in 18th-Century Historiography'

Rens Bod (Amsterdam),
'Was There Progress in the Early Modern Humanities?'

Room 9, RDB

3. Alchemy and Religious Orders in Early Modern Italy

Chair: Andrew Campbell (UCL)

Neil Tarrant (Edinburgh),
'Censoring Alchemy: Thomist-Augustinian Censorship in the Roman Inquisition'

Andrew Campbell (UCL),
'Playing a Dangerous Game: The Constitutional Status of Alchemy in Italian Religious Orders at the Turn of the Seventeenth Century'

Lorenza Gianfrancesco (Goldsmiths, London),

'Searching for the Essence: Alchemy in Early Modern Naples'

Room 6, Garden

4. Cheryl Periton (Saint Mary's College / Canterbury Christ Church) - The Medieval Counting Table: A Hands-On Approach to Calculation (Workshop)

The workshop would provide counter cloths (or equivalent drawn on paper or card), counters and questions from *The Grounde of Artes*. Although this text was first published in the mid 16th century, sections on the use of the counting table were included until the late 17th century. Participants will use the counting table for undertaking addition, subtraction, multiplication and division.

Room 6, Garden

4. The Biblioteca Hernandina and the Early Modern World of Print: Towards a New Cartography of Knowledge (Roundtable)

Chair: Michael Hetherington (Oxford)

Jose Maria Perez Fernandez (Granada)

Edward Wilson-Lee (Cambridge)

Room 3, Outhouse

5. Hobbes's *De corpore*: Composition and Critique

Chair: Stephen Clucas (Birkbeck, London)

Timothy J. Raylor, (Carleton College),
'The Composition of *De corpore* and its Implications for Hobbes's Theory of Method'

Martine Pécharman (CNRS Paris),
'*De corpore* on Modalities and Its Contemporary Critiques'

Stephen Clucas (Birkbeck, London),

'An Early Philosophical Critique of Hobbes's *De corpore*'

Room 3, Outhouse

5. Science in the Islamic World

Chair: Robert Morrison (Bowdoin)

Peter Barker (Oklahoma)
'European Sciences and Islamic Traditions: An Examination of the New Skeptics'

Elif Sezer (Istanbul Sehir),
'Katip Çelebi's *Takvimü't-Tevârih* in-between the Tradition and Innovation of Ottoman Sciences'

Robert Morrison (Bowdoin),
'Logic and Medicine in the Works of Moses Galeano (a.k.a. Mūsā Jālīnūs)'

12:30-13:30 Buffet Lunch

13:30-15:00 Concurrent Session 7

Mary Ogilvie Theatre

1. Icons and Ideas: Depicting the Notion and Disputing about the Image in Early Modern Russia

Chair: Dmitriy Antonov (Moscow)

Dmitriy Antonov (Moscow),
‘The “Damned Trinity” Motif in Early Modern Russian Iconography and its Reflections in Literature and Folklore’

Liliya Berezhnaya (Münster),
‘An Orthodox Purgatory? Tollbooths in Early Modern Ruthenian Religious Polemics and on the Last Judgment Icons’

Olga Chumicheva (Saint-Petersburg),
‘Allegorical Images of Christ in Russian Iconography and Polemics of the Fifteenth – Seventeenth Centuries’

Room 8, RDB

2. Principles, Experiment and Disciplinary Boundaries in the Early Modern Period

Chair: Mihnea Dobre (Bucharest)

Mihnea Dobre (Bucharest),
‘Between Medicine and Natural Philosophy: some French Cartesians Exploring the Path between Principles and Experimentatio’

Alberto Vanzo (Warwick),
‘Giorgio Baglivi, Seventeenth-Century Baconianism, and the Derivation of Principles from Experience’

Peter Anstey (Sydney),
‘Condillac on Principles and the Method of Experimental Philosophy’

Room 9, RDB

3. Understanding the Heavens: Astrology, Astronomy, and Optics

Chair: Dana Jalobeanu (Bucharest)

Jaroslav Włodarczyk (Polish Academy of Sciences),
‘Tradition and Novelty: Heliocentrism, Lunar Astronomy and Astrology in Edward Gresham’s (1565–1613) *Astrostereon*’

Piotr Szalek (Lublin/Cambridge),
‘Early Modern Astronomy, Optics, and Philosophical Representationalism’

Edgar Omar Rodríguez Camarena (Mexico),
‘Between Science and Literature. A Comparative among Texts about Comets of Friar Diego Rodriguez and of Sigüenza y Góngora’

Room 6, Garden

4. Digital Humanities

Chair: Georgiana Hedesan (Oxford)

Howard Hotson (Oxford),
‘Introducing ‘The Cabinet’ Digital Platform’

Georgiana Hedesan (Oxford),
‘A *Scientiae* Encyclopaedia Project? A Proposal’

Room 3, Outhouse

5. Neoplatonic Philosophy from Cusa to Pico della Mirandola

Chair: Robert Morrison (Bowdoin)

Naznin Patel (McGill),
The ‘Logic of Truth in *De Pace Fidei*’

Valery Rees (SES-London),
‘Towards a Philosophy of Light’

Ovanes Akopyan (Warwick),
‘Light, Matter, and Astrology: Marsilio Ficino and Giovanni Pico della Mirandola on Celestial Influence’

15:00-15:30 Coffee / Tea

15:30-17:30 Concurrent Session 8

Mary Ogilvie Theatre

1. Interactions between Science and Religion

Chair: James Lancaster (Royal Holloway, London)

Charlie Huenemann (Utah),
‘Comenius and Descartes: Grand vs. Targeted Attempts at Systematic Unity’

Alexander Wragge-Morley (New York),
‘Physico-Theology, Natural History and the Disciplines of Design’

Svorad Zavarsky (Slovak Academy of Sciences),

‘*Ratio status futurae vitae*: A Late Seventeenth-Century Science of Life after Death’

Philippa Hellawell (King’s College),

‘Seas of Authority: Classical and Biblical Knowledge in Late-Seventeenth Century Maritime Inquiry’

Room 8, RDB

2. Knowing Demons, Knowing Spirits, Session I: Between Testimony and Knowledge

Chair: Richard Raiswell (Prince Edward Island)

David Winter (Brandon Manitoba),
‘Slipping between the Branches of the Fairy Tree: Joan of Arc, the Inquisitors and the *Longaevi*’

Andrew Keitt (Alabama Birmingham),

‘Rethinking with Demons: Late Medieval and Early Modern Superstition from a Cognitive Perspective’

Dmitry Antonov (Moscow), ‘Old Russian Visual Demonology: Markers of the Evil Spirits’

Room 9, RDB

3. Practicing Medicine in Early Modern Europe

Chair: Georgiana Hedesan (Oxford)

Michael Stolberg (Würzburg),
‘The Figure of the Town-Physician in 16th- and Early 17th-Century Germany. An Analysis of Town-Physicians’ Letters, Contracts and Practice Journals’

Tillmann Taape (Cambridge),
‘The Concept of Distillation in Alchemical Medicine and its Reception in Vernacular Print in the Early Modern German Lands’

Allen Shotwell (Ivy Tech Community College),

‘The Medical Empiric as a Villain’

Katherine Allen (Oxford), ‘Hobby and Craft: Distilling Household Medicine in Eighteenth-Century England’

Room 6, Garden

4. Early Modern Education In and Outside Universities

Chair: David Beck (Warwick)

Sophie-Bérangère Singlard (Casa de Velázquez, Université Paris-Sorbonne),
‘A Praise of Method in the Arts of Discourse by the Humanist Francisco Sánchez de las Brozas at the University of Salamanca’

Jennifer Egloff (Zayed),
“‘...Yea so Gredily to Sticke to Theyr Olde Corrupted Rules that Vtterly They Refuse to be Taught’: Promotion of, and Resistance to, Geometrical Measurement Techniques in Sixteenth-Century England’

Mikkel Munthe Jensen (EUI Florence),
‘*Perigrinatio Academica* in an Age of Patriotism - Nordic Learned Travels during the Eighteenth Century’

Michal Choptiany (Warsaw), ‘Chronological Research and Instruction in Seventeenth-Century Danzig: Peter Crüger, Lorentz Eichstadt, and Heinrich Nicolai’

Room 3, Outhouse

5. Interdisciplinary Research in the International Circle of the Roman ‘Accademia della Virtù’

Chair: Volker Heenes (Erfurt)

Bernd Kulawik (Werner Oechslin Library, Einsiedeln),
‘The Codex Destailleux D and its Group of Measurements of Roman Buildings’

Kathrin Schade (Winckelmann Museum, Stendal),
‘Codex Pighianus: Content and Methodology’

Ulrike Jansen (Berlin-Brandenburg Academy of Sciences, Berlin),
‘The Epigraphic Collections by Matal and Pighius and their Methodology’

Dirk Jacob Jansen (Erfurt), ‘Jacopo Strada’s *Magnum ac Novum Opus* and its Patron, Hans Jakob Fugger’

18:00-19:30 **Plenary Session 2 – Prof Wouter J. Hanegraaff (Amsterdam): ‘What Happens When Historians Imagine the Occult?’**, *Mary Ogilvie Lecture Theatre*

19:30-21:00 **Conference Banquet, Ruth Deech Foyer**

Thursday, 7th of July 2016

Locations: St Anne’s College and Museum of the History of Science

Location 1: St Anne’s College

8:30-10:00 **Concurrent Session 9**

Mary Ogilvie Theatre

1. Imagining Extraterrestrials

Chair: Karen Hollewand (Oxford)

Sean Thornton (Toyo / Wales Trinity Saint David),

‘The Man in the Moon: as Influenced by the Early Modern World’

Erin Webster (London Birkbeck),

“The Seed of Adam”: Lunar Genealogies in Francis Godwin’s “The Man in the Moone” and John Wilkins’ “Discovery of a New World”

Daniel Spelda (Masaryk Brno),

‘Watchers of the Sky: Christiaan Huygens on Humans and Extraterrestrials’

Room 8, RDB

2. Knowing Demons, Knowing Spirits, Session II: Recognising and Discerning

Chair: Nancy Caciola (San Diego)

Michelle D. Brock (Washington and Lee),

‘Discerning Evil: Guilt, the Devil, and Depravity in post-Reformation Scotland’

Dan Harms (SUNY Cortland),

‘Hell and Faerie: Differentiation of Fairies and Demons’

Michael B. Riordan (Independent),

‘Discerning Spirits in the Early Enlightenment: the Case of the French Prophets’

Room 9, RDB

3. New Directions in Hartlib Studies: Politics, Practicality, Religion, and the Scientific Intelligencer

Chair: Leigh Penman (Queensland)

Leigh Penman (Queensland),

‘Serving “Many Masters”? Scientific intelligence, Heterodox Religion, and State Service in the Career of Joachim Hübner’

Vera Keller (Oregon),

‘The Reason of State and Scientific Desire in the Wish Lists of Robert Child, Samuel Hartlib and Robert Boyle’

Carol Pal (Bennington),

“‘This is Like to Disappoint their Villanies’”: Samuel Hartlib and the Realities of Scientific Intelligencing’

Room 6, Garden

4. ‘Hazarding all’: Risk and Knowledge in Early Modern England (Roundtable)

Chair: Richard Oosterhoff (Cambridge)

Tim Stuart-Buttle (Cambridge)

Rachel E. Holmes (Cambridge)

Elizabeth L. Swann (Cambridge)

Rebecca Tomlin (Cambridge)

Room 3, Outhouse

4. Views of *Scientia* from Leonardo to Lancelot Andrewes

Chair: David Beck (Warwick)

Matthew Landrus (University of Oxford),

‘Leonardo da Vinci and the Science of Animation’

Stefano Scarcella Prandstraller (Rome Sapienza),

‘Forms of Subjectivity and Conceptions of Science in Early Modern World’

Joseph Ashmore (Cambridge)

‘Scripture and *Scientia* in Lancelot Andrewes’s Preaching’

10:00-10:30 **Coffee / Tea**

10:30-12:00 **Concurrent Sessions 10**

Mary Ogilvie Theatre

1. Space and Knowledge

Chair: Steve Matthews (Minnesota)

Florian Meixner (Graz),

‘Nature in Time - Nature in Space. Dimensional Notions of 18th-Century Natural History’

Johannes Mattes (Vienna),

‘Between Nature and Culture – Concepts of Knowledge and Space in Historical Cave Maps (1500-1800)’

J.D. Fleming (Simon Fraser),

‘Everywhere at Home: Phenomenology of Utopia’

Room 8, RDB

2. Knowing Demons, Knowing Spirits, Session III: Interrogation of Souls and Spirits

Chair: Frank Klaassen (Saskatchewan)

Israel Belfer (Bar-Ilan), “‘That Power Which Eternally Wills Evil and Eternally Works Good” - Demons and Science in Early Modern Europe’

Nancy Caciola (San Diego),

‘The Human Spirit as Episteme, 1250-1500’

Martha McGill (Edinburgh),

‘Angels in Early Modern Scotland’

Room 9, RDB

3. Controlling Knowledge

Chair: JB Shank (Minnesota)

Joseph Sproule (Toronto),

“‘Weapons Heretofore Unknown to Him’”: Arms Traffic, Technology Transfer, and Knowledge Control on the Early Modern Baltic Frontier’

Ioanna Iordanou (Oxford Brookes / Warwick),

‘Code-Making and Code-Breaking: The Development of Cryptography and Cryptanalysis in Early Modern Venice’

Djoeke van Netten (Amsterdam),

‘Knowledge Control in the Dutch East India Company’

Room 6, Garden

4. Approaches to Historiography

Chair: Michał Choptiany (Warsaw)

James Lancaster (London - Royal Holloway),

‘Free-Thinking History: The Reformation Roots of Deist Historiography’

Alex Wright (Cambridge),

‘Was Eusebius an Arian, or Was Jerome Too Severe? Some Late Seventeenth-Century Answers’

Michael Tworek (Harvard),

‘Knowing the Barbarian: History, Humanism, and the Slavs in the Creation of Europe’

Room 3, Outhouse

5. Conceptualising *Scientia*

Chair: Vittoria Feola (Padua/Oxford)

Per L. Landgren (Oxford),

‘*Scientia et Cognitionis Confusa*. Crucial Concepts in Early Modern Natural Philosophy’

Christopher D. Johnson (Warburg London),

‘On Pliny’s *Ciencia* in Early Modern Spain’

Dana Jalobeanu (Bucharest),

‘Exemplarity between History and Philosophy: Francis Bacon’s “Patterns of Inquiry”’

12:00-13:30 Concurrent Session 11

Mary Ogilvie Theatre

1. Earthly Metabolisms: Resource Flows in Early Modern Mining

Chair: Tina Asmussen (Max Planck, Berlin)

Tina Asmussen (Max Planck, Berlin),

‘Cycles of Uncertainty, Mining and Fortune in Sixteenth-Century Europe’

Sebastian Felten (Max Planck, Berlin),

‘Closing the Cycle, Shielding the Flow: Wastage and its Containment in Early Modern European Mining’

Peter Konečný (Slovak Academy of Sciences and Arts),

‘Circulation of Metallic Resources: Silver, Copper, Lead and Mercury in 18th Century Hungarian Mining’

Room 8, RDB

2. Knowing Demons, Knowing Spirits, Session IV: Applied Spirit Knowledge

Chair: David Winter (Brandon Manitoba)

Frank Klaassen (Saskatchewan),
‘Spirit Conjuring and Alchemy in the Sixteenth Century’

Nimrod Zinger (Ben-Gurion),
‘Demons, Kabbala and the New Medicine: The Medical Perspective of the Ba’alei Shem, the Magical Healers in the Jewish Society’

Richard Raiswell (Prince Edward Island),

‘Demonism and the Horrible Rhetoric of the Creation’

Room 9, RDB

3. Humanist Medicine between Reception and Innovation

Chair: David Beck (Warwick)

Dina Bacalexi (CNRS Villejuif), and Mehrnaz Katouzian-Safadi (SPHERE/CNRS/Univ. Paris 7),
‘Cross-Readings of Greek Medicine in the Oriental Middle Ages and the Occidental Renaissance: Case Studies in Theory and Practice’

Michal Czerenkiewicz (Independent),
‘The State of the Medicine at the Academy of Cracow in the 17th Century’

Vladimír Urbánek (Czech Academy of Sciences),

‘Simeon Partlicius and his Harmony of Medical Systems: A Late Humanist Medical Treatise between Theory, Networking and Vernacularisation’

Room 6, Garden

4. The Early Modern Futurology of Space Exploration (Roundtable)

Chair: J.D. Fleming (Simon Fraser)

Maria Avxentevskaya (Freie Universität Berlin)

J.D. Fleming (Simon Fraser)

Nydia Pineda De Avila (Queen Mary London)

Room 3, Outhouse

5. Ancient Gods in the Early Modern World

Chair: Lyke de Vries (Nijmegen)

Anke Kramer (Vienna),
‘Agents of the Elements: Paracelsus’ *Liber de nymphis* and Elementals in Early Modern Germany’

Anthony Ellis (Bern),
‘The Jealous God of Ancient Greece: Early-Modern and Enlightenment Theories on τὸ θεῖον φθονερόν, between Theology, Anthropology, and Classical Scholarship’

Location 2: Museum of the History of Science*

*Workshops attendance requires prior registration.

9:00-10:30

Workshop 1 Samuel Gessner (Lisbon), Stephen Johnston (MHS Oxford) and Janine Rogers (Mount Allison): All You Ever Wanted to Know about the Astrolabe (But Were Afraid to Ask!)

This workshop will allow participants to experience and explore the material culture of the mathematical arts and sciences. We will work with the astrolabe, a key scientific instrument from the late medieval to the early modern period, providing participants with unique access to extraordinary objects from the world’s largest collection at Oxford’s Museum of the History of Science (MHS). There will be two components to the workshop: an introduction and demonstration of original historical artifacts held at MHS and a “hands-on” activity making and using replica astrolabes. Participants will build their own paper and plastic astrolabes and learn to use them through some basic functions.

10:00-12:00

Optional Tours of the Museum of History of Science. Prior Registration Required.

The Museum building opened in 1683 as the original home of the Ashmolean Museum, containing a public cabinet of natural and artificial rarities, an academic teaching space and a chemical laboratory. In addition to its role as an exemplary site of early-modern knowledge, the Museum now holds the world’s most important collection of early scientific instruments, from stunning Renaissance mathematical artefacts to natural philosophical and optical novelties of the 17th century. Specially for the Scientiae conference, two private guided tours are offered on the morning of Thursday 7th: 10 – 11 with the Director, Dr Silke Ackermann, 11 – 12 with the Assistant Keeper, Dr Stephen Johnston. Spaces are limited and prior registration is required.

From 13:30: All Sessions at St Anne's College

13:30-14:15 **Buffet Lunch**

14:15-15:45 **Concurrent Session 12**

Mary Ogilvie Theatre

1. Artisans, Technology, and Knowledge

Chair: Matthew Landrus (Oxford)

Antonio Sánchez (Lisbon), 'A Zilselian Case of Artisanal Epistemology: Iberian Communities of Nautical Cartographers'

Michael Bycroft (Warwick), 'Gem Assays, Jewellers, and the Distinction between Art and Nature in Early Modern Science'

Manjari Chakrabarty (Visva Bharati, India), 'The Interplay of Scientific and Technological Knowledge in the Origins of the Steam Engine'

Room 8, RDB

2. Questions about the New Mechanics

Chair: Cornelis J. Schilt (Oxford)

David Marshall Miller (Iowa State), 'The Parallelogram Rule from Pseudo-Aristotle to Newton'

Filip Buyse (Sorbonne), 'Spinoza and Christiaan Huygens: The Odd Philosopher and the Odd Sympathy of Pendulum Clocks'

Jip van Besouw (Brussels), 'Explaining Simple Machines in Mechanics in the Early Eighteenth Century: Controversies over Experiments, Metaphysics, and Mathematics'

Room 9, RDB

3. Medical Inquiry from the Reformation to the Royal Society

Chair: Robert Arnott (Oxford)

Maria Avxentevskaya (Berlin), 'The German *Stammbuch*: Protestant Values and Medical Inquiry'

Kathleen Crowther (Oklahoma), 'Gender and Generation in Reformation-Era Anatomical Studies'

Dolores Iorizzo (UCL), 'Francis Bacon's Medical Philosophy and its Legacy in the Early Royal Society'

Room 6, Garden

4. 'Scientific' Interpretations of Biblical Passages (Roundtable)

Chair: James Lancaster (Royal Holloway)

Scott Mandelbrote (Cambridge)

Rob Iliffe (Oxford)

Steve Matthews (Minnesota)

Georgiana Hedesan (Oxford)

Room 3, Outhouse

5. In with the New, In with the Old: New and Old Sciences in the Early Modern Period

Chair: Stefano Scarcella Prandstraller (Rome Sapienza)

Gabor Almasi (Ludwig Boltzmann Institut), 'The Emancipation of the Science of Politics: from Machiavelli to Hobbes'

Germano Maifreda (Milan), 'Renaissance Neoplatonism and the Construction of Western Economic Science'

Annelie Grosse (EUI Florence), 'Upholding a Declining Discipline: the Role of Metaphysics in the Berlin Academy of Science after 1744'

15:45-16:15 **Coffee / Tea**

16:15-17:30 **Plenary Session 3 – Prof Tara Nummedal (Brown): 'Alchemical Bodies: Transmutations of Self and Substance', *Mary Ogilvie Lecture Theatre***

17:30–17:45 **Closing Address – Prof Steven Matthews (Minnesota, President of *Scientiae*), *Mary Ogilvie Lecture Theatre***

18:00-19:00 **General *Scientiae* Meeting**

How did we do? Please don't forget to fill out a feedback sheet before you leave!