

HPSCGA22: Early modern science

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[1]

M. H. Shank, 'That the Medieval Christian church suppressed the growth of science', in *Galileo goes to jail, and other myths about science and religion*, Cambridge, Mass: Harvard University Press, 2009, pp. 19–27. Available:
<https://contentstore.cla.co.uk/secure/link?id=d06b7ffe-8303-e911-80cd-005056af4099>

[2]

P. Kibre and N. G. Siraisi, 'The institutional setting: the universities', in *Science in the Middle Ages*, Chicago: University of Chicago Press, 1978, pp. 120–144.

[3]

P. Dear, 'Chapter 2 - Humanism and ancient wisdom: How to learn things in the sixteenth century', in *Revolutionizing the sciences: European knowledge and its ambitions, 1500-1700*, Basingstoke: Palgrave, 2001, pp. 30–48.

[4]

Paula Findlen, 'Jokes of Nature and Jokes of Knowledge: The Playfulness of Scientific Discourse in Early Modern Europe', *Renaissance Quarterly*, vol. 43, no. 2, pp. 292–331, 1990, doi: 10.2307/2862366

[5]

Moran, Bruce, "'Courts and Academies'", 2008.

[6]

M. Biagioli, 'Galileo's System of Patronage', *History of Science*, vol. 28, pp. 1–62, 1990.

[7]

Werrett, Simon, 'Chapter 2: Philosophies of fire: pyrotechny as alchemy, magic and mechanics', in *Fireworks: pyrotechnic arts and sciences in European history*, Chicago: University of Chicago Press, 2010, pp. 47–72. Available: <https://contentstore.cla.co.uk/secure/link?id=b2058382-3929-e811-80cd-005056af4099>

[8]

Werrett, Simon, 'Wonders Never Cease: Descartes's "Météores" and the Rainbow Fountain', *The British Journal for the History of Science*, vol. Vol. 34, no. No. 2, pp. 129–147.

[9]

Steven Shapin, 'The House of Experiment in Seventeenth-Century England', *Isis*, vol. 79, no. 3, pp. 373–404, 1988, Available: <http://www.jstor.org/stable/234672>

[10]

Wilson, Catherine, 'Visual Surface and Visual Symbol: The Microscope and the Occult in Early Modern Science', *Journal of the History of Ideas*, vol. 49, no. 1, pp. 85–108.

[11]

Dobbs, B. J. T., 'Newton's Alchemy and His Theory of Matter', *Isis*, vol. 73, no. 4, pp. 511–528.

[12]

David Kubrin, 'Newton and the Cyclical Cosmos: Providence and the Mechanical Philosophy', *Journal of the History of Ideas*, vol. 28, no. 3, pp. 325–346.

[13]

S. Schaffer, 'Natural Philosophy and Public Spectacle in the Eighteenth Century', *History of Science*, vol. 21, no. 1, pp. 1-43, Mar. 1983, doi: 10.1177/007327538302100101

[14]

L. Schiebinger, "'The Philosopher's Beard: Women and Gender in Science'", 2008.

[15]

J. Delbourgo, 'Sir Hans Sloane's Milk Chocolate and the Whole History of Cacao'.

[16]

R. Iliffe, "'Science and Voyages of Discovery'", 2008.

[17]

L. Roberts, 'The death of the sensuous chemist: The "new" chemistry and the transformation of sensuous technology', *Studies In History and Philosophy of Science Part A*, vol. 26, no. 4, pp. 503-529, Dec. 1995, doi: 10.1016/0039-3681(95)00013-5

[18]

David Philip Miller, 'The Usefulness of Natural Philosophy: The Royal Society and the Culture of Practical Utility in the Later Eighteenth Century', *The British Journal for the History of Science*, vol. 32, no. 2, pp. 185-201, 1999, Available: <http://www.jstor.org/stable/4028083?&Search=yes&searchText=usefulness&searchText=utility&searchText=philosophy&searchText=david&searchText=natural&searchText=miller&list=hide&searchUri=%252Faction%252FdoBasicSearch%253FQuery%253Ddavid%252Bmiller%252Busefulness%252Bnatural%252Bphilosophy%252Butility%2526Search%253DSearch%2526gw%253Djtx%2526prq%253Ddavid%252Bmiller%252Busefulness%252Bnatural%252Bphilosophy%2526hp%253D25%2526acc%253Don%2526aori%253Da%2526wc%253Don%2526fc%253Doff&prevSearch=&item=2&ttl=1739&returnArticleService=showFullText>

[19]

E. Grant, *Physical science in the Middle Ages*, vol. *History of science*. Cambridge: Cambridge University Press, 1977.

[20]

E. Grant, *A Source book in Medieval Science*, vol. *Source books in the history of the sciences*. Cambridge, MA: Harvard University Press, 1974.

[21]

D. C. Lindberg, *The beginnings of western science: the European scientific tradition in philosophical, religious, and institutional context, prehistory to A.D. 1450*, 2nd ed. Chicago: University of Chicago Press, 2007.

[22]

R. Bartlett, *The natural and the supernatural in the Middle Ages: the Wiles lecture given at the Queen's University of Belfast*, 2006, vol. *The Wiles lectures*. Cambridge: Cambridge University Press, 2008.

[23]

R. Kieckhefer, *Magic in the Middle Ages*, 2nd ed., vol. *Canto Classics*. Cambridge: Cambridge University Press, 2014. Available:
<http://dx.doi.org/10.1017/CBO9781139923484>

[24]

G. B. Ferngren, *Science and religion: a historical introduction*. Baltimore, Md: Johns Hopkins University Press, 2002.

[25]

Westman, Robert S., *The Copernican question: prognostication, skepticism, and celestial order*. Berkeley: University of California Press, 2011. Available:
<https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://shib-idp.ucl.ac.uk/shibboleth&dest=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9780520948167>

[26]

A. Cunningham, *The anatomical renaissance: the resurrection of the anatomical projects of the ancients*. Aldershot: Scolar, 1997.

[27]

J. Kraye, Ed., *The Cambridge Companion to Renaissance Humanism*, vol. Cambridge Companions to Literature. Cambridge: Cambridge University Press, 1996. Available: <http://dx.doi.org/10.1017/CCOL0521430380>

[28]

P. O. Kristeller, *Renaissance thought: the classic, scholastic, and humanistic strains*, A rev. and enl. Ed. of "The classics and Renaissance thought.", vol. Harper torchbooks, TB1048. The Academy library. New York: Harper, 1961.

[29]

A. G. Debus, *Man and nature in the Renaissance*, vol. Cambridge history of science. Cambridge: Cambridge University Press, 1978.

[30]

Foucault, Michel, *The order of things: an archaeology of the human sciences*, vol. Routledge classics. London: Routledge, 2002. Available: <http://www.vlebooks.com/vleweb/product/openreader?id=UCL&isbn=9780203996645>

[31]

G. della Porta, *Natural Magick*. London: printed for John Wright next to the sign of the Globe in Little-Britain, 1669. Available: http://gateway.proquest.com/openurl?ctx_ver=Z39.88-2003&res_id=xri:eebo&rft_val_fmt=&rft_id=xri:eebo:image:34014

[32]

G. Galilei and A. Van Helden, *Sidereus nuncius: or, The Sidereal messenger*. Chicago: University of Chicago Press, 1989.

[33]

L. Daston, 'Curiosity in early modern science', *Word & Image*, vol. 11, no. 4, pp. 391–404, Oct. 1995, doi: 10.1080/02666286.1995.10435928

[34]

Pamela H. Smith, 'Alchemy as a Language of Mediation at the Habsburg Court', *Isis*, vol. 85, no. 1, pp. 1–25, 1994, Available: <http://www.jstor.org/stable/235894>

[35]

M. Azzolini, *The duke and the stars: astrology and politics in Renaissance Milan*. Cambridge, Mass: Harvard University Press, 2013.

[36]

M. Biagioli, *Galileo, courtier: the practice of science in the culture of absolutism*, vol. Science and its conceptual foundations. Chicago: University of Chicago Press, 1993.

[37]

P. H. Smith, *The body of the artisan: art and experience in the scientific revolution*. Chicago: University of Chicago Press, 2004. Available: <http://hdl.handle.net/2027/heb.06680>

[38]

S. Gaukroger, *Descartes: an intellectual biography*. Oxford: Oxford University Press, 1995. Available: <http://dx.doi.org/10.1093/0198237243.001.0001>

[39]

C. Merchant, *The death of nature: women, ecology, and the scientific revolution*. New York: HarperCollins, 1989.

[40]

W. R. Shea, *The magic of numbers and motion: the scientific career of René Descartes*, 1st ed. Canton, MA: Science History Publications, 1991.

[41]

F. Bacon and R. H., *New Atlantis*. London: Printed for John Crooke, 1660. Available: http://gateway.proquest.com/openurl?ctx_ver=Z39.88-2003&res_id=xri:eebo&rft_val_fmt=&rft_id=xri:eebo:image:206416

[42]

J. Martin, *Francis Bacon, the State and the Reform of Natural Philosophy*. Cambridge: Cambridge University Press, 1991. Available: <http://dx.doi.org/10.1017/CBO9780511553158>

[43]

S. Gaukroger, *Francis Bacon and the transformation of early-modern philosophy*. Cambridge, U.K.: Cambridge University Press, 2001.

[44]

J. Cottingham, Ed., *The Cambridge Companion to Descartes*, vol. *Cambridge Companions to Philosophy*. Cambridge: Cambridge University Press, 1992. Available: <http://dx.doi.org/10.1017/CCOL0521366232>

[45]

R. Hooke, *Micrographia: or Some physiological descriptions of minute bodies made by magnifying glasses: With observations and inquiries thereupon*. By R. Hooke, Fellow of the Royal Society. London: printed for John Martyn, printer to the Royal Society, and are to be sold at his shop at the Bell a little without Temple Barr. Available: http://gateway.proquest.com/openurl?ctx_ver=Z39.88-2003&res_id=xri:eebo&rft_val_fmt=&rft_id=xri:eebo:image:38397

[46]

R. Boyle, *New experiments physico-mechanical, touching the air*, The third edition : whereunto is added a defence of the author's explication of the experiments, Against the objections of Franciscus Linus and, Thomas Hobbs. [London: Printed by Miles Flesher for

Richard Davis, bookseller in Oxford, 1682. Available:
http://gateway.proquest.com/openurl?ctx_ver=Z39.88-2003&res_id=xri:eebo&rft_val_fmt=&rft_id=xri:eebo:image:93491

[47]

Van Helden, Albert, 'The Telescope in the Seventeenth Century', *Isis*, vol. 65, no. 1, pp. 38–58.

[48]

Review by: Deborah Jean Warner, 'What Is a Scientific Instrument, When Did It Become One, and Why?', *The British Journal for the History of Science*, vol. 23, no. 1, pp. 83–93.

[49]

Bennett, Jim, 'Presidential Address: Knowing and Doing in the Sixteenth Century: What Were Instruments For?', *The British Journal for the History of Science*, vol. 36, no. 2, pp. 129–150.

[50]

Hankins, Thomas L. and Silverman, Robert J., *Instruments and the imagination*. Princeton, N.J.: Princeton University Press, 1995.

[51]

Pamela H. Smith, *""Laboratories""*, 2008.

[52]

I. Newton, I. B. Cohen, and R. S. Westfall, *Newton: texts, backgrounds, commentaries*, 1st ed., vol. A Norton critical edition. New York, NY: W.W. Norton, 1995.

[53]

J. Fauvel, *Let Newton be!* Oxford: Oxford University Press, 1988.

[54]

P. Fara, *Newton: the making of a genius*. London: Macmillan, 2002.

[55]

R. Iliffe, *Newton: a very short introduction*, vol. *Very short introductions*. Oxford: Oxford University Press, 2007.

[56]

Koyré, Alexandre, *Newtonian studies*. London: Chapman & Hall, 1965.

[57]

R. S. Westfall, *Never at Rest: A Biography of Isaac Newton*. Cambridge: Cambridge University Press, 1981. Available: <http://dx.doi.org/10.1017/CBO9781107340664>

[58]

Heilbron, J. L., 'The case of electricity', in *Elements of early modern physics*, Berkeley: University of California Press, 1982, pp. 159–240.

[59]

Stewart, Larry, 'Public Lectures and Private Patronage in Newtonian England', *Isis*, vol. 77, no. 1, pp. 47–58.

[60]

L. Euler, *Letters of Euler to a German princess, on different subjects in physics and philosophy*. Translated from the French by Henry Hunter, D.D. With original notes, and a glossary of foreign and scientific terms. In two volumes. London: printed for the translator, and for H. Murray, 1795. Available: http://galenet.galegroup.com/servlet/ECCO?c=1&stp=Author&ste=11&af=BN&ae=T100446&tiPG=1&dd=0&dc=frc&docNum=CW109865269&vrsn=1.0&srchtp=a&d4=0.33&n=10&SU=0LRM&locID=ucl_ttda

[61]

P. Fara, "'Marginalized Practices'", 2008.

[62]

Outram, Dorinda, *The Enlightenment*, 3rd ed., vol. *New approaches to European history*. Cambridge: Cambridge University Press, 2013.

[63]

Findlen, Paula, 'Science as a Career in Enlightenment Italy: The Strategies of Laura Bassi', *Isis*, vol. 84, no. 3, pp. 441–469.

[64]

G. V. Sutton, *Science for a polite society: gender, culture, and the demonstration of enlightenment*. Boulder, Colo: Westview Press, 1995.

[65]

M. Lynn, *Popular science and public opinion in eighteenth-century France*, vol. *Studies in early modern European history*. Manchester: Manchester University Press, 2006.

[66]

S. Sivasundaram, 'Sciences and the Global: On Methods, Questions, and Theory', *Isis*, vol. 101, no. 1, pp. 146–158, 2010, doi: 10.1086/652694

[67]

L. Stewart, "'Global Pillage'", 2008.

[68]

K. Raj, *Relocating modern science: circulation and the construction of scientific knowledge in South Asia and Europe, seventeenth to nineteenth centuries*. Basingstoke: Palgrave Macmillan, 2007.

[69]

Fara, Patricia, *Sex, botany & empire: the story of Carl Linnaeus and Joseph Banks*, vol. *Revolutions in science*. New York: Columbia University Press, 2003.

[70]

Schaffer, Simon, *The brokered world: go-betweens and global intelligence, 1770-1820*, vol. *Uppsala studies in history of science*. Sagamore Beach, Mass: Science History Publications, 2009.

[71]

N. Safier, *Measuring the new world: enlightenment science and South America*. Chicago: University of Chicago Press, 2008.

[72]

J. Golinski, *""Chemistry""*, 2008.

[73]

J. Golinski, *Science as public culture: chemistry and enlightenment in Britain, 1760-1820*. Cambridge: Cambridge University Press, 1992.

[74]

Crosland, M., 'Chemistry and the chemical revolution', in *The Ferment of knowledge: studies in the historiography of eighteenth-century science*, Cambridge: Cambridge University Press, 1980, pp. 389-416.

[75]

J. Priestley, *Experiments and observations on different kinds of air: Vol. II*. By Joseph Priestley, The second edition. London: printed for J. Johnson, 1776. Available: http://galenet.galegroup.com/servlet/ECCO?c=1&stp=Author&ste=11&af=BN&ae=T033836&tiPG=1&dd=0&dc=flc&docNum=CW109001842&vrsn=1.0&srchtp=a&d4=0.33&n=10&SU=0LRM&locID=ucl_ttda

[76]

A. L. Lavoisier, *Elements of chemistry: in a new systematic order*. Edinburgh: printed for William Creech, and sold in London by G. G. and J. J. Robinsons, 1790. Available: http://galenet.galegroup.com/servlet/ECCO?c=1&stp=Author&ste=11&af=BN&ae=T138882&tiPG=1&dd=0&dc=flc&docNum=CW109285967&vrsn=1.0&srchtp=a&d4=0.33&n=10&SU=0LRM&locID=ucl_ttda

[77]

Mokyr, Joel, 'The Intellectual Origins of Modern Economic Growth', *The Journal of Economic History*, vol. 65, no. 2, pp. 285–351.

[78]

A. E. Musson and E. Robinson, *Science and technology in the Industrial Revolution*. Manchester: Manchester U.P, 1969.

[79]

M. C. Jacob and L. Stewart, *Practical matter: Newton's science in the service of industry and empire, 1687-1851*, vol. *New histories of science, technology, and medicine*. Cambridge, Mass: Harvard University Press, 2004.