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Barnes, Jonathan (2001) Early Greek philosophy. 2nd rev. ed. London: Penguin Books.

Bartlett, R. (2008) 'Chapter 2 -The Machine of this World: Ideas of the Physical Universe', in The Natural and the Supernatural in the Middle Ages: the Wiles lecture given at the Queen's University of Belfast, 2006. Cambridge: Cambridge University Press, pp. 35–70.

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

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

Bowler, P. (1992) 'Nature and the Enlightment', in The Fontana history of the environmental sciences. London: Fontana, pp. 139–192.

Brooke, J.H. (1991) 'Chapter 1- Interaction between science and religion: some preliminary considerations', in Science and religion: some historical perspectives. Cambridge: Cambridge University Press, pp. 16–51.

Brooke, John Hedley (1991) Science and Religion: Some Historical Perspectives. Cambridge: Cambridge University Press.

Cohen, I. Bernard (1987) The birth of a new physics. Rev. and updated ed. Harmondsworth: Penguin.

Crosland, M. (1980) 'Chemistry and the chemical revolution', in The Ferment of knowledge: studies in the historiography of eighteenth-century science. Cambridge: Cambridge University Press, pp. 389–416. Available at: https://doi.org/10.1017/CBO9780511572982.011.

Crosland, M. (1987) 'Antoine-Laurent Lavoisier: the chemical revolution', in Man masters nature: 25 centuries of science. London: BBC Books, pp. 101–113.

Daston, L. (1995) 'Curiosity in early modem science', Word & Image, 11(4), pp. 391–404. Available at: https://doi.org/10.1080/02666286.1995.10435928.

Daston, Lorraine et. al. (2008a) The Cambridge History of Science, Volume 3: Early Modern Science. Cambridge: Cambridge University Press.

Daston, Lorraine et. al. (2008b) The Cambridge History of Science, Volume 3: Early Modern

Science. Cambridge: Cambridge University Press.

Daston, Lorraine et. al. (2008c) The Cambridge History of Science, Volume 3: Early Modern Science. Cambridge: Cambridge University Press.

Daston, Lorraine et. al. (2008d) The Cambridge History of Science, Volume 3: Early Modern Science. Cambridge: Cambridge University Press.

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

Dear, P. (2001) '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, pp. 30–48.

Dear, Peter Robert (2001a) Revolutionizing the sciences: European knowledge and its ambitions, 1500-1700. Basingstoke: Palgrave.

Dear, Peter Robert (2001b) Revolutionizing the sciences: European knowledge and its ambitions, 1500-1700. Basingstoke: Palgrave.

Delbourgo, J. (no date) Sir Hans Sloane's Milk Chocolate and the Whole History of Cacao.

Dettelbach, Michael (2001) 'Alexander von Humboldt between Enlightenment and Romanticism', Northeastern Naturalist, 8, pp. 9–20.

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

Drake, S. (1980) 'Chapter 4 - Conflicts with astronomers and theologians', in Galileo. Oxford: Oxford University Press, pp. 53–72.

Fara, P. (2009a) 'Babylon', in Science: a four thousand year history. Oxford: Oxford University Press, pp. 8–15.

Fara, P. (2009b) 'Interactions: China, Islam', in Science: a four thousand year history. Oxford: Oxford University Press, pp. 43–67.

Fara, Patricia (2003) Sex, botany & empire: the story of Carl Linnaeus and Joseph Banks. New York: Columbia University Press.

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

Finocchiaro, M.A. (2009) 'That Galileo was imprisoned and tortured for advocating Copernicanism', in Galileo goes to jail, and other myths about science and religion. Cambridge, Mass: Harvard University Press, pp. 68–78.

Gregory, A. (2001) 'The first scientific theories', in Eureka!: the birth of science. Cambridge: Icon, pp. 23–46.

Hankins, T. L. (1985) 'Natural history and physiology', in Science and the Enlightenment. Cambridge: Cambridge University Press. Available at: https://doi.org/10.1017/CBO9781316036402.006.

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

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

Henry, J. (2001) 'Why did Copernicus say the earth moves?', in Moving heaven and earth: Copernicus and the solar system. Cambridge: Icon, pp. 12–55.

Holmes, R. (2008) 'Chapter 8: Davy and the lamp.', in The age of wonder: how the Romantic generation discovered the beauty and terror of science. London: HarperPress, pp. 337–380.

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

Knight, D. (1990) 'Romanticism and the sciences', in Romanticism and the sciences. Cambridge: Cambridge University Press, pp. 13–24.

Knight, D. M. (1975) 'German science in the romantic period', in The emergence of science in Western Europe. London: Macmillan, pp. 161–178.

Koerner, Lisbet (no date) 'Linnaeus' Floral Transplants', Representations, (47), pp. 144–169.

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

Lindberg, D. (2007a) 'Chapter 1 - Science Before the Greeks', in 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, pp. 1–20.

Lindberg, D. (2007b) 'Chapter 2 - The Greeks and the Cosmos', in 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, pp. 21–44.

Lindberg, D. (2007c) 'Chapter 8 - Islamic science', in 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, pp. 163–192.

Lindberg, D. (2007d) 'Chapters 9 and 10 - The Revival of Learning in the West', in 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, pp. 193–253.

Lloyd, G. E. R. (1970) Early Greek science: Thales to Aristotle. New York: Norton.

Lloyd, G.E.R. (1968) 'The physics of the heavenly region', in Aristotle: the growth and structure of his thought. Cambridge: Cambridge University Press, pp. 133–157.

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

Nathan Sivin (1995) 'State, Cosmos, and Body in The Last Three Centuries B. C.', Harvard Journal of Asiatic Studies, 55(1), pp. 5–37. Available at: https://doi.org/10.2307/2719419.

Nicholson, Malcolm (1990) 'Alexander von Humboldt and the Geography of Vegetation', in Romanticism and the sciences. Cambridge: Cambridge University Press, pp. 169–188.

Nomanul Haq, S. (2009) 'That Medieval Islamic Culture Was Inhospitable to Science', in Galileo goes to jail, and other myths about science and religion. Cambridge, Mass: Harvard University Press.

Oppenheim, A.L. (2008) 'Man and Nature in Mesopotamian Civilization', in Complete Dictionary of Scientific Biography. Detroit, Mich: Charles Scribner's Sons, pp. 634–666.

Osborne, Catherine (2004a) Presocratic philosophy: a very short introduction. Oxford: Oxford University Press. Available at:

http://www.vlebooks.com/vleweb/product/openreader?id=UCL&isbn=9780191517976.

Osborne, Catherine (2004b) Presocratic philosophy: a very short introduction. Oxford: Oxford University Press. Available at:

http://www.vlebooks.com/vleweb/product/openreader?id=UCL&isbn=9780191517976.

Outram, Dorinda (2013a) The Enlightenment. 3rd ed. Cambridge: Cambridge University Press.

Outram, Dorinda (2013b) The Enlightenment. 3rd ed. Cambridge: Cambridge University Press.

Pamela H. Smith (1994) 'Alchemy as a Language of Mediation at the Habsburg Court', Isis, 85(1), pp. 1–25. Available at: http://www.jstor.org/stable/235894.

Paula Findlen (1990) 'Jokes of Nature and Jokes of Knowledge: The Playfulness of Scientific Discourse in Early Modern Europe', Renaissance Quarterly, 43(2), pp. 292–331. Available at: https://doi.org/10.2307/2862366.

Peter Barker and Bernard R. Goldstein (2001) 'Theological Foundations of Kepler's Astronomy', Osiris, 16, pp. 88–113. Available at: http://www.jstor.org/stable/301981.

Plato (no date) Timaeus by Plato (The Internet Classics Archive).

Porter, Roy et. al. (2008a) The Cambridge History of Science, Volume 4: Eighteenth-Century Science.

Porter, Roy et. al. (2008b) The Cambridge History of Science, Volume 4: Eighteenth-Century Science.

Porter, Roy et. al. (2008c) The Cambridge History of Science, Volume 4: Eighteenth-Century Science.

Porter, Roy et. al. (2008d) The Cambridge History of Science, Volume 4: Eighteenth-Century Science.

Porter, Roy et. al. (2008e) The Cambridge History of Science, Volume 4: Eighteenth-Century Science.

Reiner, Erica (1999) 'Chapter 1: Babylonian celestial divination', in Ancient astronomy and celestial divination. Cambridge, Mass: MIT Press, pp. 21–37. Available at: https://contentstore.cla.co.uk/secure/link?id=1e254ccd-4441-e711-80cb-005056af4099.

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

Roberts, L. (1995) 'The death of the sensuous chemist: The "new" chemistry and the transformation of sensuous technology', Studies In History and Philosophy of Science Part A, 26(4), pp. 503–529. Available at: https://doi.org/10.1016/0039-3681(95)00013-5.

Sambursky, S. (1956) 'The cosmos of Aristotle', in The physical world of the Greeks. London: Routledge and K. Paul, pp. 80–104.

Schaffer, S. (1983) 'Natural Philosophy and Public Spectacle in the Eighteenth Century', History of Science, 21(1), pp. 1–43. Available at: https://doi.org/10.1177/007327538302100101.

Schaffer, Simon (no date) 'Herschel in Bedlam: Natural History and Stellar Astronomy', The British Journal for the History of Science, 13(3), pp. 211–239.

Schiebinger, Londa (no date) 'The Anatomy of Difference: Race and Sex in Eighteenth-Century Science', Eighteenth-Century Studies, 23(4), pp. 387–405.

Shank, M.H. (2009) '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, pp. 19–27.

Sivasundaram, S. (2010) 'Sciences and the Global: On Methods, Questions, and Theory', Isis, 101(1), pp. 146–158. Available at: https://doi.org/10.1086/652694.

Sivin, N. (no date) Why a Scientific Revolution did not take place in China, or didn't it?

Sloan, P.R. (1990a) 'Natural History 1670-1802', in Companion to the history of modern science. London: Routledge. Available at:

http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,shib&db=nlebk&AN=16 9436&site=ehost-live&scope=site&ebv=EK&ppid=Page- -207.

Sloan, P.R. (1990b) 'Natural History 1670-1802', in Companion to the history of modern science. London: Routledge. Available at:

http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,shib&db=nlebk&AN=16 9436&site=ehost-live&scope=site&ebv=EK&ppid=Page-__-207.

Sloan, P.R. (1990c) 'Natural History 1670-1802', in Companion to the history of modern science. London: Routledge. Available at:

http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,shib&db=nlebk&AN=16 9436&site=ehost-live&scope=site&ebv=EK&ppid=Page- -207.

Sloan, P.R. (1990d) 'Natural History 1670-1802', in Companion to the history of modern science. London: Routledge. Available at:

http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,shib&db=nlebk&AN=16 9436&site=ehost-live&scope=site&ebv=EK&ppid=Page- -207.

Sloan, P.R. (1990e) 'Natural History 1670-1802', in Companion to the history of modern science. London: Routledge. Available at:

http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,shib&db=nlebk&AN=16 9436&site=ehost-live&scope=site&ebv=EK&ppid=Page-__-207.

Sloan, P.R. (1990f) 'Natural History 1670-1802', in Companion to the history of modern science. London: Routledge. Available at:

http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,shib&db=nlebk&AN=16 9436&site=ehost-live&scope=site&ebv=EK&ppid=Page-__-207.

Steven Shapin (1988) 'The House of Experiment in Seventeenth-Century England', Isis, 79(3), pp. 373–404. Available at: http://www.jstor.org/stable/234672.

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

Swerdlow, N. (1998) 'Galileo's discoveries with the telescope and their evidence for the copernican theory', in The Cambridge companion to Galileo. Cambridge: Cambridge University Press, pp. 244–270.

The New Atlantis by Francis Bacon (1626).

Toulmin, S. and Goodfield, J. (1961) 'Celestial forecasting', in The fabric of the heavens. Hutchinson, pp. 23–65.

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

Werrett, Simon (2010) '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, pp. 47–72. Available at:

https://contentstore.cla.co.uk/secure/link?id=b84094c6-7c23-e811-80cd-005056af4099.

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

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