Universiteit
Leiden
The Netherlands

Nature and history : towards a hermeneutic philosophy of historiography of science

Bouterse, Jeroen

Citation
Bouterse, J. (2016, February 25). *Nature and history : towards a hermeneutic philosophy of historiography of science*. Retrieved from https://hdl.handle.net/1887/38041

Version:	Corrected Publisher's Version
License:	Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden
Downloaded from:	https://hdl.handle.net/1887/38041

Note: To cite this publication please use the final published version (if applicable).

Cover Page

Universiteit Leiden

The handle http://hdl.handle.net/1887/38041 holds various files of this Leiden University dissertation

Author: Bouterse, Jeroen
Title: Nature and history : towards a hermeneutic philosophy of historiography of science
Issue Date: 2016-02-25

References

Abadía, Oscar Moro. 2009. “Thinking about ‘Presentism’ from a Historian’s Perspective: Herbert Butterfield and Hélène Metzger.” *History of Science* 47: 55-77.

——. 2011. “Hermeneutical Contributions to the History of Science: Gadamer on ‘Presentism’.” *Studies in History and Philosophy of Science* 42: 372-380.

Adcock, Robert. 2007. “Who’s Afraid of Determinism? The Ambivalence of Macro-Historical Inquiry.” *Journal of the Philosophy of History* 1: 346-364.

Agassi, Joseph. 1963. *Towards an Historiography of Science. History and Theory, Beiheift 2.* The Hague: Mouton.

Alder, Ken. 2006. “The History of Science, Or, an Oxymoronic Theory of Relativistic Objectivity.” In *A Companion to Western Historical Thought,* edited by Lloyd Kramer and Sarah Maza, 297-318. Malden, MA: Blackwell.

Alvargonzález, David. 2013. “Is the History of Science Essentially Whiggish?” *History of Science* 51: 85-99.

Amsterdamski, Stefan. 1987. “La philosophie en science.” *History and Technology* 4: 103-113.

Ankersmit, Frank. 2010. “The Necessity of Historicism.” *Journal of the Philosophy of History* 4: 226-240.

Apel, Karl-Otto. 1999. "Wissenschaftsgeschichte als hermeneutisches Problem. Eine Auseinandersetzung mit Karl Poppers 'Dritte Welt'-Hermeneutik." In *Hermeneutics and Science: Proceedings of the First Conference of the International Society for Hermeneutics and Science*, edited by Marta Fehér, Olga Kiss and Lázló Ropolyi, 101-116. Dordrecht: Kluwer.

Ashplant, T.G., and Adrian Wilson. 1988. "Present-Centred History and the Problem of Historical Knowledge." *The Historical Journal* 31: 253-275.

Babich, Babette E., ed. 2002. *Hermeneutic Philosophy of Science, Van Gogh’s Eyes, and God: Essays in Honor of Patrick A. Heelan, S.J.* Dordrecht, Boston, London: Kluwer.

Barnes, Barry. 1980. "On the Causal Explanation of Scientific Judgment." *Social Science Information* 19: 685-695.

——. 2006. Review of *Race to the Finish* by Jenny Reardon, *Isis* 97: 383-384.

Barnes, Barry, John Henry, and David Bloor. 1996. *Scientific Knowledge: a Sociological Analysis.* Chicago: University of Chicago Press.

Barnes, J.A. 1961. "Physical and Social Kinship." *Philosophy of Science* 28 (3): 296-299.

——. 1964. "Physical and Social Facts in Anthropology." *Philosophy of Science* 31 (3): 294-297.

Beatty, John. 2006. "Replaying Life's Tape." *Journal of Philosophy* 103 (7): 336-362.

Beatty, John, and I. Carrera. 2011. "When What Had to Happen Was not Bound to Happen: History, Chance, Narrative, Evolution." *Journal of the Philosophy of History* 5: 471-495.

Bechtel, William. 1988. "New Insights into the Nature of Science: What Does Hull's Evolutionary Epistemology Teach Us?" *Biology and Philosophy* 3: 157-164.

Beiser, Frederick. 2008. "Historicism and Neo-Kantianism." *Studies in History and Philosophy of Science* 39: 554-564.

Ben-Menahem, Yemima. 2009. “Historical Necessity and Contingency.” In Tucker 2009, 120-130.

Bentley, Michael. 2012. *The Life and Thought of Herbert Butterfield: History, Science and God.* Cambridge: Cambridge University Press.

Bernal, J.D. 1931. “Science and Society.” In Bernal 1949, 334-339.

———. 1934. “Dialectical Materialism.” In Bernal 1949, 365-388.

———. 1947. “Science and the Humanities.” In Bernal 1949, 146-161.

———. 1949. *The Freedom of Necessity*. London: Routledge & Kegan Paul.

———. 1952. *Marx and Science.* London: Lawrence & Wishart.

———. 1954. *Science in History*. London: Watts.

Bernstein, Richard. 1987. "History, Philosophy, and the Question of Relativism." In *At the Nexus of Philosophy and History*, edited by Bernard P. Dauenhauer, 3-19. Athens: University of Georgia Press.

Berry, Stephan. 2009. “The Laws of History.” In Tucker 2009, 162-171.

Bevir, Mark. 1999. *The Logic of the History of Ideas.* Cambridge: Cambridge University Press.

———. 2008. “What is Genealogy?” *Journal of the Philosophy of History* 2: 263-275.

———. 2009. “Contextualism: From Modernist Method to Post-Analytic Historicism?” *Journal of the Philosophy of History* 3: 211-224.

Biagioli, Mario. 1987. "Meyerson and Koyré: Toward a Dialectic of Scientific Change." *History and Technology* 4: 211-224.

———. 1996. "From Relativism to Contingentism." In *The Disunity of Science: Boundaries, Context, and Power*, edited by Peter Galison and David J. Stump, 189-206. Stanford: Stanford University Press.

Blaas, P.B.M. 1988. *Anachronisme en historisch besef: Momenten uit de ontwikkeling van het Europees historisch bewustzijn.* The Hague: Nijgh & Van Ditmar.

Bloor, David. 1976. *Knowledge and Social Imagery*. London: Routledge & Kegan Paul.

———. 1982. “Durkheim and Mauss Revisited: Classification and the Sociology of Knowledge.” *Studies in History and Philosophy of Science* 13 (4): 267-297.

———. 1984. “The Strengths of the Strong Programme.” In Brown 1984, 75-94.

———. 1988. “Rationalism, Supernaturalism, and the Sociology of Knowledge.” In Hronszky and Fehér, 1998, 59-74.

———. 1992. “Left and Right Wittgensteinians.” In Pickering 1992, 266-282.

———. 1996. “Idealism and the Sociology of Knowledge.” *Social Studies of Science* 26: 839-856.

———. 1997. *Wittgenstein, Rules and Institutions.* London: Routledge.

———. 1999. “Anti-Latour.” *Studies in History and Philosophy of Science* 30: 81-112.

———. 2007. “Ideals and Monisms: Recent Criticisms of the Strong Programme in the Sociology of Knowledge.” *Studies in History and Philosophy of Science* 38: 210-234.

———. 2011. *The Enigma of the Aerofoil: Rival Theories in Aerodynamics, 1909-1930.* Chicago: University of Chicago Press.

Bloor, David, and David Edge. 2000. "Knowing Reality through Society." *Social Studies of Science* 30: 158-160.

Boas, Taylor C. 2007. "Conceptualizing Continuity and Change." *Journal of Theoretical Politics* 19: 33-54.

Bod, Rens. 2010. *De vergeten wetenschappen: Een geschiedenis van de humaniora*. Amsterdam: Bakker.

Boon, Mieke. 2015. "Contingency and Inevitability in Science: Instruments, Interfaces, and the Independent World." In *Science as It Could Have Been: Discussing the Contingency / Inevitability Problem*, edited by Léna Soler, Emiliano Trizio, and Andrew Pickering, 151-174.

Bouterse, Jeroen. 2014. "Explaining *Verstehen*: Max Weber's Views on Explanation in the Humanities." In *The Making of the Humanities*, vol. 3, *The Modern Humanities*, edited by Rens Bod, Jaap Maat, and Thijs Weststeijn, 569-582. Amsterdam: Amsterdam University Press.

Bouterse, Jeroen, and Bart Karstens. 2015. "A Diversity of Divisions: Tracing the History of the Demarcation between the Sciences and the Humanities." *Isis* 106 (2): 341-352.

Bowler, Peter J. 2008. "What Darwin Disturbed: The Biology That Might Have Been." *Isis* 99: 560-567.

———. 2013. *Darwin Deleted: Imagining a World without Darwin*. Chicago: University of Chicago Press.

———. 2015. "What-If History of Science." *Metascience* 24: 17-24.

Bradie, Michael. 1986. "Assessing Evolutionary Epistemology." *Biology and Philosophy* 1: 401-459.

Brown, James R., ed. 1984. *Scientific Rationality: The Sociological Turn.* Dordrecht: Springer.

———. 1989. *The Rational and the Social*. London: Routledge.

———. 1991. *The Laboratory of the Mind: Thought Experiments in the Natural Sciences*. New York: Routledge.

———. 2004. "Why Thought Experiments Transcend Empiricism." In Hitchcock 2004, 23-43.

———. 2013. "What Do We See in a Thought Experiment?" In Frappier 2013 53-68.

Bruns, Gerald L. 1992. *Hermeneutics Ancient and Modern*. New Haven: Yale University Press.

Bukharin, N.I., ed. 1931a. *Science at the Cross Roads: Papers Presented to the International Congress of the History of Science and Technology, Held in London from June 29th to July 3rd, 1931, by the Delegates of the U.S.S.R.* London.

———. 1931b. "Theory and Practice from the Standpoint of Dialectical Materialism." In Bukharin 1931a, 11-40.

———. 1935. "Marx's Teaching and Its Historical Importance." In *Marxism and Modern Thought*, edited by N.I. Bukharin, A.M. Deborin, Y.M. Uranovsky, S.I. Vavilov, V.L. Komarov, and A.I. Tiumeniev, 1-90. London: Routledge.

Burns, Anthony. 2011. "Conceptual History and the Philosophy of the Later Wittgenstein: A Critique of Quentin Skinner's Contextualist Method." *Journal of the Philosophy of History* 5: 54-83.

Butterfield, Herbert. (1931) 1959. *The Whig Interpretation of History*. London.

———. (1949) 1957. *The Origins of Modern Science, 1300-1800.* London: Bell & Hyman.

———. 1950. "The Historian and the History of Science." *Bulletin for the British Society for the History of Science* 1 (3): 49-58.

———. 1959. "The History of Science and the Study of History." *Harvard Library Bulletin* 13: 329-347.

Cain, J.A., and L. Darden. 1988. "Hull and Selection." *Biology and Philosophy* 3: 165-171.

Callebaut, Werner. 1993. *Taking the Naturalistic Turn or How Real Philosophy of Science Is Done*. Chicago: University of Chicago Press.

Callon, Michel. 1986. "Some Elements of a Sociology of Translation: Domestication of the Scallops and the Fishermen of St Brieuc Bay." In *Power, Action and Belief: A New Sociology of Knowledge?*, edited by John Law, 196-233. London: Routledge & Kegan Paul.

Callon, Michel, and Bruno Latour. 1992. "Don't Throw the Baby Out with the Bath School! A Reply to Collins and Yearley." In Pickering 1992, 343-368.

Campbell, Donald T. 1960. "Blind Variation and Selective Retention in Creative Thought as in Other Knowledge Processes." *Psychological Review* 67 (6): 380-400.

———. 1974. "Evolutionary Epistemology." In *The Philosophy of Karl Popper*, edited by Paul Arthur Schilpp, 413-463. La Salle, IL: Open Court.

———. 1988. "A General 'Selection Theory' as Implemented in Biological Evolution and in Social Belief-Transmission-With-Modification in Science." *Biology and Philosophy* 3: 171-177.

Carr, E.H. 1961. *What Is History?* London: Macmillan.

Chalmers, Alan F. 1999. *What Is This Thing Called Science?* Indianapolis: Hacket Publishing.

Chang, Hasok. 2012. *Is Water H2O? Evidence, Realism and Pluralism.* Dordrecht: Springer.

Chin, Chuanfei. 2014. "Subliming and Subverting: An Impasse on the Contingency of Scientific Rationality." *Journal of the Philosophy of History* 8: 311-331.

Clagett, Marshall, ed. 1959. *Critical Problems in the History of Science: Proceedings of the Institute for the History of Science at the University of Wisconsin, September 1-11, 1957.* Madison, MI: University of Wisconsin Press.

Cohen, I. Bernard. 1963. "Commentary [to Crombie 1963b]." In Crombie 1963a, 769-780.

Cohen, Stephen F. 1973. *Bukharin and the Bolshevik Revolution: A Political Biography, 1888-1938.* New York: Alfred A. Knopf.

Cohen, H. Floris. 1994. *The Scientific Revolution: A Historiographical Inquiry.* Chicago: University of Chicago Press.

———. 2010. *How Modern Science Came into the World: Four Civilizations, One 17th-Century Breakthrough.* Amsterdam: Amsterdam University Press.

Collin, Finn, and David Budtz Pedersen. 2015. "The Frankfurt School, Science and Technology Studies, and the Humanities." *Social Epistemology* 29 (1): 44-72.

Collins, Harry M. 1981a. "Stages in the Empirical Programme of Relativism." *Social Studies of Science* 11: 3-10.

———. 1981b. "What is TRASP?: The Radical Programme as a Methodological Imperative." *Philosophy of the Social Sciences* 11: 215-224.

———. 1983. "An Empirical Relativist Programme in the Sociology of Scientific Knowledge." In Knorr-Cetina 1983, 85-115.

———. 2004. *Gravity's Shadow: The Search for Gravitational Waves.* Chicago: University of Chicago Press.

———. 2012. "Performances and Arguments." *Metascience* 21: 409-418.

Collins, Harry M., and Graham Cox. 1976. "Recovering Relativity: Did Prophecy Fail?" *Social Studies of Science* 6: 423-444.

Collins, Harry M., and Trevor Pinch. 1993. *The Golem: What Everyone Should Know about Science*. Cambridge: Cambridge University Press.

Collins, Harry M., and Steven Yearley. 1992a. "Epistemological chicken." In Pickering 1992, 301-326.

———. 1992b. "Journey into Space." In Pickering 1992, 301-326.

Compton, John T. 2002. "Towards a Phenomenological Philosophy of Nature." In Babich 2002, 195-202.

Crease, Robert P., ed. 1997a. *Hermeneutics and the Natural Sciences*. Dordrecht: Kluwer.

———. 1997b. "Hermeneutics and the Natural Sciences: Introduction." In Crease 1997a, 1-12.

———. 2002. "Experimental Life: Heelan on Quantum Mechanics." In Babich 2002, 31-41.

Crease, Robert P., Don Ihde, Casper Bruun Jensen, and Evan Selinger. 2003. "Interview with Bruno Latour." In Ihde 2003, 15-26.

Crombie, Alistair C., ed. 1963. *Scientific Change: Historical Studies in the Intellectual, Social and Technical Conditions for Scientific Discovery and Technical Invention, from Antiquity to the Present*. London: Heinemann.

———. 1994. *Styles of Scientific Thinking in the European Tradition: The History of Argument and Explanation Especially in the Mathematical and Biomedical Sciences and Arts.* London: Duckworth.

Crombie, Alistair C., and M.A. Hoskin. 1963. "A Note on History of Science as an Academic Discipline." In Crombie 1963, 757-764.

Crouch, Colin, and Henry Farrell. 2004. "Breaking the Path of Institutional Development? Alternatives to the New Determinism." *Rationality and Society* 16: 5-43.

Cruickshank, Justin. 2015. "Anti-Authority: Comparing Popper and Rorty on the Dialogic Developments of Beliefs and Practices." *Social Epistemology* 29 (1): 73-94.

Cunningham, Andrew. 1988. "Getting the Game Right: Some Plain Words on the Identity and Invention of Science." *Studies in History and Philosophy of Science* 19: 365-389.

——. 2001. "A Reply to Peter Dear's 'Religion, Science and Natural Philosophy: Thoughts on Cunningham's Thesis'", *Studies in History and Philosophy of Science* 32: 387-391.
Cunningham, Andrew, and Perry Williams. 1993. "De-centring the 'Big Picture': *The Origins of Modern Science* and the Modern Origins of Science." *British Journal for the History of Science* 26: 407-432.
Danziger, Kurt. 1990. *Constructing the Subject: Historical Origins of Psychological Research*. Cambridge: Cambridge University Press.
Daston, Lorraine, ed. 2000. *Biographies of Scientific Objects.* Chicago: University of Chicago Press.
Daston, Lorraine, and Peter Galison. 2012. "Book Symposium: Objectivity in Historical Perspective: Author's Response." *Metascience* 21: 30-39.
David, Paul A. 2007. "Path Dependence: A Foundational Concept for Historical Social Science." *Cliometrica* 1: 91-114.
Davis, John B. 1998. "The Fox and the Henhouses: The Economics of Scientific Knowledge." *History of Political Economy* 29: 741-746.
Dear, Peter. 2001. "Religion, Science and Natural Philosophy: Thoughts on Cunningham's Thesis." *Studies in History and Philosophy of Science* 32: 377-386.
——. 2012a. "Fifty Years of Structure." *Social Studies of Science* 42: 424-428.
——. 2012b. "Science Is Dead: Long Live Science." In Kohler 2012, 37-55.
Dear, Peter, and Sheila Jasanoff. 2010. "Dismantling Boundaries in Science and Technology Studies." *Isis* 101: 759-774.
Dennett, Daniel C. 1984. *Elbow Room: The Varieties of Free Will Worth Wanting.* Cambridge, MA: MIT Press.
——. 2003. *Freedom Evolves*. New York: Viking.
Diamond, Jared. 2005. *Guns, Germs, and Steel: The Fates of Human Societies.* New York: Norton.
Dobbs, Betty Jo Teeter. 1975. *The Foundations of Newton's Alchemy, or, 'The Hunting of the Greene Lyon'.* Cambridge: Cambridge University Press.
Douven, Igor. 2008. "Underdetermination." In Psillos and Curd 2008, 292-301.
Downes, Stephen M. 2000. "Truth, Selection and Scientific Inquiry." *Biology and Philosophy* 15: 425-442.
Dray, William. 1963. "The Historical Explanation of Actions Reconsidered." In Hook 1963, 105-135.
Dubos, René J. 1950. *Louis Pasteur: Free Lance of Science*. Boston: Little, Brown & Company.
Durkheim, Émile. (1912) 1995. *The Elementary Forms of Religious Life.* Translated by Karen E. Fields. New York: The Free Press.
Durkheim, Émile, and Marcel Mauss. (1903) 1963. *Primitive Classification*. Translated by Rodney Needham. Chicago: University of Chicago Press.
Eagleton, Terry. 2008. *Literary Theory: An Introduction*. Oxford: Blackwell.
Earman, John. 1986. *A Primer on Determinism*. Dordrecht: D. Reidel.

Eger, Martin. 1993a. "Hermeneutics as an Approach to Science: Part I." *Science and Education* 2: 1-29.
———. 1993b. "Hermeneutics as an Approach to Science: Part II." *Science and Education* 2: 303-328.
———. 1995. "Alternative Interpretations, History, and Experiment: Reply to Cushing, Crease, Bevilacqua, and Giannetto." *Science and Education* 4: 173-188.
———. 1997. "Achievements of the Hermeneutic-Phenomenological Approach to Natural Science: A Comparison with Constructivist Sociology." In Crease 1997, 85-109.
Elkana, Yehuda. 1987. "Alexandre Koyré: Between the History of Ideas and the Sociology of Disembodied Knowledge." *History and Technology* 4: 115-148.
Ellegård, Alvar. 1957. "The Darwinian Theory and Nineteenth-Century Philosophies of Science." *Journal of the History of Ideas* 18 (3): 362-393.
———. 1958. "Public Opinion and the Press: Reactions to Darwinism." *Journal of the History of Ideas* 19 (3): 379-387.
Endersby, Jim. 2008. *Imperial Nature: Joseph Hooker and the Practices of Victorian Science*. Chicago: University of Chicago Press.
Fehér, Márta, Olga Kiss, and Lázló Ropolyi, eds. 1999. *Hermeneutics and Science. Proceedings of the First Conference of the International Society for Hermeneutics and Science*. Dordrecht: Springer.
Feyerabend, Paul K. 1975. *Against Method: Outline of an Anarchistic Theory of Knowledge.* London: NLB.
———. 1976. "Second Dialogue." In Feyerabend 1991, 49-123.
———. 1978. *Science in a Free Society*. London: NLB.
———. 1991. *Three Dialogues on Knowledge*. Oxford: Blackwell.
Figala, Karin. 2002. "Newton's Alchemy." In *The Cambridge Companion to Newton*, edited by I. Bernard Cohen and George E. Smith, 370-386. Cambridge: Cambridge University Press.
Forman, Paul. 1983. "Review: A Venture in Writing History," review of *The Historical Development of Quantum Theory*, by Jagdish Mehra and Helmut Rechenberg, *Science* 220: 824-827.
———. "Independence, not Transcendence, for the Historian of Science." *Isis* 82 (1): 71-86.
Franklin, Allan. 2008. "Is Failure an Option? Contingency and Refutation." *Studies in History and Philosophy of Science* 39: 242-252.
Frappier, Mélanie, Letitia Meynell, and James R. Brown, eds. 2013. *Thought Experiments in Philosophy, Science, and the Arts*. New York: Routledge.
French, Steven. 2006. Review of *The Quantum Quark* by Andrew Watson, *Isis* 97: 191-192.
———. 2008. "Genuine Possibilities in the Scientific Past and How to Spot Them." *Isis* 99: 568-575.
Freudenthal, Gideon. 2005. "The Hessen-Grossman Thesis: An Attempt at Rehabilitation." *Perspectives on Science* 13 (2): 2005.

Freudenthal, Gideon, and Peter McLaughlin. 2009. "Classical Marxist Historiography of Science: The Hessen-Grossmann-Thesis." In *The Social and Economic Roots of the Scientific Revolution: Texts by Boris Hessen and Henryk Grossmann*, edited by Gideon Freudenthal and Peter McLaughlin, 1-41. Boston: Springer.

Freudenthal, Gad. 1988. "The Hermeneutical Status of the History of Science: The Views of Hélène Metzger." In *Science in Reflection*, edited by Edna Ullmann-Margalit, 123-144. Dordrecht: Kluwer.

Friedman, Michael. 1998. "On the Sociology of Scientific Knowledge and Its Philosophical Agenda." *Studies in History and Philosophy of Science* 29: 239-271.

Fuller, Steve. 2008. "The Normative Turn: Counterfactuals and a Philosophical Historiography of Science." *Isis* 99: 576-584.

——. 2011. "Why Does History Matter to the Science Studies Disciplines? A Case for Giving the Past Back Its Future." *Journal of the Philosophy of History* 5: 562-585.

Gadamer, Hans-Georg. 1953. "Wahrheit in den Geisteswissenschaften." In Gadamer 1985-1995, vol. 2, 37-43.

——. 1957. "Was ist Wahrheit?" In Gadamer 1985-1995, vol. 2, 44-56.

——. (1960) 1986. *Wahrheit und Methode. Grundzüge einer philosophischen Hermeneutik*, in Gadamer 1985-1995, vol. 1.

——. 1971a. "Rhetorik, Hermeneutik und Ideologiekritik: Metakritische Erörterungen zu 'Wahrheit und Methode'." In Habermas 1971, 57-82.

——. 1971b. "Replik." In Habermas 1971, 283-317.

——. 1985-1995. *Gesammelte Werke.* Tübingen: J.C.B. Mohr.

——. 1986. "Natur und Welt: Die hermeneutische Dimension in Naturerkenntnis und Naturwissenschaft." In Gadamer 1985-1995, vol. 7, 418-442.

Galison, Peter. 1987. *How Experiments End*. Chicago: University of Chicago Press.

Galison, Peter, and David J. Stump, eds. 1996. *The Disunity of Science: Boundaries, Context, and Power*. Stanford: Stanford University Press.

Garfinkle, Norton. 1955. "Science and Religion in England, 1790-1800: The Critical Responses to the Work of Erasmus Darwin." *Journal of the History of Ideas* 16 (3): 376-388.

Gasking, Elizabeth B. 1959. "Why was Mendel's Work Ignored?" *Journal of the History of Ideas* 20 (1): 60-84.

Gellner, Ernest. 1957. "Ideal Language and Kinship Structure." *Philosophy of Science* 24 (3): 235-242.

——. 1960. "The Concept of Kinship: With Special Reference to Mr. Needham's 'Descent Systems and Ideal Language'." *Philosophy of Science* 27 (2): 187-204.

——. 1963. "Nature and Society in Social Anthropology." *Philosophy of Science* 30 (3): 236-251.

Ghiselin, Michael T. 1988. "Science as a Bioeconomic System." *Biology and Philosophy* 3: 177-178.

Giere, Ronald N. 1988. *Explaining Science: A Cognitive Approach*. Chicago: University of Chicago Press.

——. 2006. *Scientific Perspectivism.* Chicago: University of Chicago Press.
Ginev, Dimitry. 2002. "The Hermeneutic Context of Constitution." In Babich 2002, 43-52.
Goldman, Alvin I. 1999. *Knowledge in a Social World*. Oxford: Clarendon Press.
Goldman, Alvin I., and James C. Cox. 1996. "Speech, Truth, and the Free Market for Ideas." *Legal Theory* 2: 1-32.
Goldman, Alvin I., and Moshe Shaked. 1991. "An Economic Model of Scientific Activity and Truth Acquisition." *Philosophical Studies* 63: 31-54.
Gordin, Michael D. 2012. *The Pseudoscience Wars: Immanuel Velikovsky and the Birth of the Modern Fringe*. Chicago: University of Chicago Press.
Grafton, Anthony. 2006. "The History of Ideas: Precept and Practice, 1950-2000 and Beyond." *Journal of the History of Ideas* 67 (1): 1-32.
Grantham, Todd A. 1994. "Does Science Have a 'Global Goal'? A Critique of Hull's View of Conceptual Progress." *Biology and Philosophy* 9: 85-97.
——. 2000. "Evolutionary Epistemology, Social Epistemology, and the Demic Structure of Science." *Biology and Philosophy* 15: 443-463.
Griesemer, James. R. 1988. "Genes, Memes and Demes." *Biology and Philosophy* 3: 179-184.
Griffiths, Paul E. 2000. "David Hull's Natural Philosophy of Science." *Biology and Philosophy* 3: 185-186.
Gross, Alan G. 1988. "Adaptation in Evolutionary Epistemology: Clarifying Hull's Model." *Biology and Philosophy* 3: 185-186.
Guerlac, Henry. 1959. "History of Science for Engineering Students at Cornell." In Clagett 1959
Gustafson, Martin. 2010. "Seeing the Facts and Saying What You Like: Retroactive Redescription and Indeterminacy in the Past." *Journal of the Philosophy of History* 4: 296-327.
Gutting, Gary. 1984. "The Strong Program: A Dialogue." In Brown 1984, 95-111.
Habermas, Jürgen. 1971a. "Zu Gadamers 'Wahrheit und Methode'." In Habermas, Henrich and Taubes 1971, 45-56.
——. 1971b. "Der Universalitätsanspruch der Hermeneutik." In Habermas, Henrich and Taubes 1971, 120-159.
Habermas, Jürgen, Dieter Henrich, and Jacob Taubes, eds. 1971. *Theorie-Diskussion: Hermeneutik und Ideologiekritik*. Frankfurt am Main: Suhrkamp.
Hacking, Ian. 1983. *Representing and Intervening: Introductory Topics in the Philosophy of Natural Science*. Cambridge: Cambridge University Press.
——. 1993. "Working in a New World: The Taxonomic Solution." In Horwich 1993, 275-310.
——. 1996. "The Disunities of the Sciences." In Galison 1996, 37-74.
——. 1999. *The Social Construction of What?* Cambridge, MA: Harvard University Press.
——. 2000. "How Inevitable Are the Results of Successful Science?" *Philosophy of Science* 67 (proceedings): S58-S71.
——. 2002. *Historical Ontology*. Cambridge, MA: Harvard University Press.

——. 2004. Review of *The Science of Conjecture* by James Franklin, *Isis* 95: 460-464.
Hall, Thomas S. 1950. "The Scientific Origins of the Protoplasm Problem." *Journal of the History of Ideas* 11 (3): 339-356.
Hall, A. Rupert. 1983. "On Whiggism." *History of Science* 21: 45-59.
——. 1987. "Alexandre Koyré and the Scientific Revolution." *History and Technology* 4: 485-496.
Hands, D. Wade. 1998. "Conjectures and Reputations: The Sociology of Scientific Knowledge and the History of Economic Thought." *History of Political Economy* 29: 695-739.
Heelan, Patrick A. 1997. "Why a Hermeneutical Philosophy of the Natural Sciences?" In Crease 1997, 13-40.
Heiden, Gerrit Jan van der. 2012. *De stem van de doden: hermeneutiek als spreken namens de ander*. Nijmegen: Vantilt.
Hempel, Carl G. 1963. "Reasons and Covering Laws in Historical Explanation." In Hook 1963, 143-163.
Henry, John. 2002. *The Scientific Revolution and the Origins of Modern Science*. Basingstoke: MacMillan.
——. 2008. "Ideology, Inevitability, and the Scientific Revolution." *Isis* 99: 552-559.
Henson, Pamela M. 1988. "A Short Note on Hull's 'A Mechanism and Its Metaphysics: An Evolutionary Account of the Social and Conceptual Development of Science'." *Biology and Philosophy* 3: 192-193.
Hesse, Mary. 1988. "Socializing Epistemology." In: Hronszky and Fehér 1988, 3-26.
Hessen, Boris. 1931. "The Social and Economic Roots of Newton's 'Principia'." In Bukharin 1931a, 149-212.
Heyes, Cecilia M. 1988. "Are Scientists Agents in Scientific Change?" *Biology and Philosophy* 3: 194-199.
Heyes, Cecilia M., and Henry C. Plotkin. 1989. "Replicators and Interactors in Cultural Evolution." In *What the Philosophy of Biology Is: Essays Dedicated to David Hull*, edited by Michael Ruse, 139-162. Dordrecht: Kluwer.
Hitchcock, Christopher, ed. 2004. *Contemporary Debates in Philosophy of Science*. Malden, MA: Blackwell.
Hook, Sidney, ed. 1963. *Philosophy and history: A Symposium*. New York: New York University Press.
Hook, Ernest B. 2003. "A Background to Prematurity and Resistance to 'Discovery'." In *Prematurity in Scientific Discovery: On Resistance and Neglect*, edited by Ernest B. Hook, 3-21. Berkeley: University of California Press.
Hooykaas, Reijer. 1957. "De geschiedenis der natuurwetenschappen." In *Scientia: Handboek voor wetenschap, kunst en religie*, vol. 3, edited by Eduard J. Dijksterhuis, 405-436. Zeist: De Haan.

——. 1963. *L'histoire des sciences, ses problèmes, sa méthode, son but*. Coimbra: Tipografia da Atlântida.
——. 1966. "Natuur en geschiedenis." *Mededelingen der Koninklijke Nederlandse Akademie van Wetenschappen* 29 (9): 5-74.
——. 1982. "Wissenschaftsgeschichte – eine Brücke zwischen Natur- und Geisteswissenschaften." *Berichte zur Wissenschaftsgeschichte* 5: 153-172.
Horwich, Paul, ed. 1993. *World Changes: Thomas Kuhn and the Nature of Science*. Cambridge, MA: MIT Press.
Houghton, W.E. 1942. "The English Virtuoso in the Seventeenth Century." *Journal of the History of Ideas* 3: 51-73, 190-219.
Hronszky, Irme, and Márta Fehér, eds. 1988. *Scientific Knowledge Socialized: Selected Proceedings from the 5th Joint International Conference on the History and Philosophy of Science Organized by the IUHPS, Veszprém 1984*. Dordrecht: Kluwer.
Hull, David L. 1979. "In Defense of Presentism." *History and Theory* 18: 1-15.
——. 1982. "The Naked Meme." In Plotkin 1982, 273-327.
——. 1988a. "A Mechanism and Its Metaphysics: An Evolutionary Account of the Social and Conceptual Development of Science." In Hull 2001a, 97-134.
——. 1988b. *Science as a Process: An Evolutionary Account of the Social and Conceptual Development of Science*. Chicago: University of Chicago Press.
——. 2001a. *Science and Selection: Essays on Biological Evolution and the Philosophy of Science.* Cambridge: Cambridge University Press.
——. 2001b. "What's Wrong with Invisible-Hand Explanations?" In Hull 2001a, 139-148.
Hutchison, Keith. 1992. "Dormitive Virtues, Scholastic Qualities, and the New Philosophies." *History of Science* 29 (3): 245-277.
Ihde, Don. 1997. "Thingly Hermeneutic / Technoconstructions." In Crease 1997: 111-123.
Ihde, Don, and Evan Selinger, eds. 2003. *Chasing Technoscience: Matrix for Materiality*. Bloomington: Indiana University Press.
Jardine, Nicholas. 1991. *The Scenes of Inquiry: On the Reality of Questions in the Sciences*. Oxford: Clarendon Press.
——. 2000. "Uses and Abuses of Anachronism in the History of the Sciences." *History of science* 38: 251-270.
——. 2003. "Whigs and Stories: Herbert Butterfield and the Historiography of Science." *History of Science* 41: 125-140.
——. 2004. "Etics and Emics (Not to Mention Anemics and Emetics) in the History of the Sciences." *History of Science* 42: 261-278.
Jarvie, Ian. 1984. "A Plague on Both Your Houses." In Brown 1984, 165-182.
Johnson, Francis R. 1940. "Gresham College: Precursor of the Royal Society." *Journal of the History of Ideas* 1: 413-438.
Jonker, Ed. 2011. "Van relativisme naar oordeelsvorming: Recente tendensen in de wetenschapsgeschiedschrijving." *Studium* 1: 2-15.

Joravsky, David. 1959. “Soviet Marxism and Biology before Lysenko.” *Journal of the History of Ideas* 20 (1): 85-104.

Jorink, Eric, and Ad Maas, eds. 2012. *Newton and the Netherlands: How Isaac Newton Was Fashioned in the Dutch Republic*. Amsterdam: Leiden University Press.

Jorink, Eric, and Huib Zuidervaart. 2012. “‘The Miracle of Our Time’: How Isaac Newton Was Fashioned in the Netherlands.” In Jorink and Maas 2012, 13-65.

Kantorovich, Aharon. 1988. “The Mechanisms of Communal Selection and Serendipitous Discovery.” *Biology and Philosophy* 3: 199-203.

Kedar, Asaf. 2007. “Ideal Types as Hermeneutic Concepts.” *Journal of the Philosophy of History* 1: 318-345.

Kelley, Donald R. 1990. “What Is Happening to the History of Ideas?” *Journal of the History of Ideas* 51 (1): 3-25.

Kemp, Stephen. 2005. “Saving the Strong Programme? A Critique of David Bloor’s Recent Work.” *Studies in History and Philosophy of Science* 36: 706-719.

Kemp, Stephen. 2007. “Concepts, Anomalies and Reality: A Response to Bloor and Fehér.” *Studies in History and Philosophy of Science* 38: 241-253.

Kidd, Ian James. 2013. “Historical Contingency and the Impact of Scientific Imperialism.” *International Studies in the Philosophy of Science* 27 (3): 315-324.

Kinzel, Katherina. 2015. “Narrative and Evidence: How Can Case Studies from the History of Science Support Claims in the Philosophy of Science?” *Studies in History and Philosophy of Science* 49: 48-57.

Kitcher, Philip. 2001. *Science, Truth, and Democracy*. Oxford: Oxford University Press.

Knorr-Cetina, Karin D. 1975. “The Nature of Scientific Consensus: The Case of the Social Sciences.” In Knorr, Strasser, Zilian 1975, 227-256.

——. 1981. *The Manufacture of Knowledge: An Essay on the Constructivist and Contextual Nature of Science*. Oxford: Pergamon Press.

——. 1983. “The Ethnographic Study of Scientific Work: Towards a Constructivist Interpretation of Science.” In Knorr-Cetina and Mulkay 1983, 115-140.

——. 1999. *Epistemic Cultures: How the Sciences Make Knowledge.* Cambridge, MA: Harvard University Press.

Knorr-Cetina, Karin D., and Michael Mulkay, eds. 1983. *Science Observed: Perspectives on the Social Study of Science.* London: Sage.

Knorr-Cetina, Karin D., Hermann Strasser, and Hans Georg Zilian, eds. 1975. *Determinants and Controls of Scientific Development*. Dordrecht: D. Reidel.

Kochan, Jeff. 2010. “Contrastive Explanation and the ‘Strong Programme’ in the Sociology of Scientific Knowledge.” *Social Studies of Science* 40: 127-144.

Kocher, Paul H. 1950. “The Idea of God in Elizabethan Medicine.” *Journal of the History of Ideas* 11 (1): 3-29.

Kockelmans, Joseph J. 1997. “On the Hermeneutical Nature of Modern Natural Science.” In Crease 1997a, 41-55.

Kohler, Robert E., and Kathryn M. Olesko, eds. 2012. *Clio Meets Science: The Challenges of History*, *Osiris* 27.
Koyré, Alexandre. 1943a. "Galileo and the Scientific Revolution of the Seventeenth Century." In Koyré 1968, 1-15.
———. 1943b. "Galileo and Plato." In Koyré 1968, 400-428.
———. 1953. "An Experiment in Measurement." In Koyré 1968, 89-117.
———. 1955. "A Documentary History of the Problem of Fall from Kepler to Newton." *Transaction of the American Philosophical Society* 45: 329-395.
———. 1956. "The Origins of Modern Science: A New Interpretation." *Diogenes* 4 (1): 1-22.
———. 1957. *From the Closed World to the Infinite Universe*. Baltimore: Johns Hopkins University Press.
———. 1960. "Galileo's Treatise 'De Motu Gravium': The Use and Abuse of Imaginary Experiment." In Koyré 1968, 44-88.
———. 1963. "Commentary to Guerlag." In Crombie 1963, 847-861.
———. (1956) 1965. "Concept and Experience in Newton's Scientific Thought." In Alexandre Koyré, *Newtonian Studies*, 25-52. London: Chapman & Hall.
———. (1961) 1973. *The Astronomical Revolution: Copernicus—Kepler—Borelli*. Translated by R.E.W. Maddison. London: Methuen.
———. (1939) 1978. *Galileo studies*. Translated by John Mepham. Atlantic Highlands, NJ: Humanities Press.
Kracauer, Siegfried. 1969. *History: The Last Things before the Last.* New York: Oxford University Press.
Kragh, Helge. 1987. *An Introduction to the Historiography of Science*. Cambridge: Cambridge University Press.
Kramer, Lloyd, and Sarah Maza, eds. 2002. *A Companion to Western Historical Thought*. Malden, MA: Blackwell.
Kuhn, Thomas. 1959. "The Essential Tension: Tradition and Innovation in Scientific Research." In Kuhn 1977, 225-239.
———. 1962. *The Structure of Scientific Revolutions*. Chicago: University of Chicago Press.
———. 1968. "The History of Science." *International Encyclopedia of the Social Science*s 14: 74-83.
———. 1977. *The Essential Tension: Selected Studies in Scientific Tradition and Change*. Chicago: University of Chicago Press.
———. 1993. "Afterwords." In Horwich 1993, 311-341.
Kusch, Martin. 2001. "'A General Theory of Societal Knowledge'? Aspirations and Shortcomings of Alvin Goldman's Social Epistemology." *Studies in History and Philosophy of Science* 32 (1): 183-192.
———. 2004a. "Rule-Scepticism and the Sociology of Scientific Knowledge: The Bloor-Lynch Debate Revisited." *Social Studies of Science* 34: 571-591.
———. 2004b. "Reply to My Critics." *Social Studies of Science* 34: 615-620.

Kuukkanen, Jouni-Matti. 2011. "I Am Knowledge. Get Me Out of Here! On Localism and the Universality of Science." *Studies in History and Philosophy of Science* 42: 590-601.
Lamb, Robert. 2009. "Recent Developments in the Thought of Quentin Skinner and the Ambitions of Contextualism." *Journal of the Philosophy of History* 3: 246-265.
Latour, Bruno. 1983. "Give Me a Laboratory and I Will Raise the world." In Knorr-Cetina and Mulkay 1983, 141-169.
———. 1987. *Science in Action: How to Follow Scientists and Engineers through Society*. Cambridge, MA: Harvard University Press.
——— [Jim Johnson, pseud.]. 1988a. "Mixing Humans and Non-Humans Together: The Sociology of a Door-Closer." *Social Problems* 35 (3): 298-310.
———. 1988b. "A Relativistic Account of Einstein's Relativity." *Social Studies of Science* 18 (1): 3-44.
———. 1990. "Postmodern? No, Simply *A*modern! Steps towards an Anthropology of Science." *Studies in History and Philosophy of Science* 21: 145-171.
———. 1993a. *We Have Never Been Modern*. Translated by Catherine Porter. Cambridge, MA: Harvard University Press.
———. 1993b. *The Pasteurization of France*. Translated by Alan Sheridan and John Law. Cambridge, MA: Harvard University Press. First published 1988.
———. 1996a. *Aramis or the Love of Technology.* Translated by Catherine Porter. Cambridge, MA: Harvard University Press.
———. 1996b. "On Interobjectivity." *Mind, Culture, and Activity* 3 (4) 228-245.
———. 1999a. *Pandora's Hope: Essays on the Reality of Science Studies*. Cambridge, MA: Harvard University Press.
———. 1999b. "For David Bloor…and Beyond! A Reply to David Bloor's 'Anti-Latour'". *Studies in History and Philosophy of Science* 30: 113-129.
———. 2000. "On the Partial Existence of Existing and Non-Existing Objects." In Daston 2000, 247-269.
———. 2002. "What is Iconoclash? Or Is There a World Beyond the Image Wars?" In *Iconoclash: Beyond the Image Wars in Science, Religion, and Art*, edited by Bruno Latour and Peter Weibel, 14-37. Karlsruhe: ZKM.
———. 2003. "The Promises of Constructivism." In Ihde and Selinger 2003, 27-46.
———. 2004. *Politics of Nature: How to Bring the Sciences into Democracy*. Translated by Catherine Porter. Cambridge, MA: Harvard University Press.
———. 2005a. *Reassembling the Social: An Introduction to Actor-Network Theory.* Oxford: Oxford University Press.
———. 2005b. "From Realpolitik to Dingpolitik or How to Make Things Public." In *Making Things Public: Atmospheres of Democracy*, edited by Bruno Latour and Peter Weibel, 14-43. Karlsruhe: ZKM.

——. 2008. "Nature at the Cross-Roads: The Bifurcation of Nature and Its End." In *What Is the Style of Matters of Concern? Two Lectures in Empirical Philosophy*. Assen: Koninklijke Van Gorcum.

Latour, Bruno, and Steve Woolgar. 1979. *Laboratory Life: The Social Construction of Scientific Facts*. Beverly Hills: Sage.

Laudan, Larry. 1977. *Progress and Its Problems: Towards a Theory of Scientific Growth*. London: Routledge & Kegan Paul.

——. 1981. "A Confutation of Convergent Realism." *Philosophy of Science* 48: 19-49.

——. 1982a. "More on Bloor." *Philosophy of the Social Sciences* 12: 71-74.

——. 1982b. "Science at the Bar – Causes for Concern." *Science, Technology and Human Values* 7 (41): 16-19.

——. 1984. "The Pseudo-Science of Science?" In Brown 1984, 41-73.

——. 1988. "Are All Theories Equally Good? A Dialogue." In Nola 1988, 117-139.

——. 1990. "The History of Science and the Philosophy of Science." In Olby 1990, 47-59.

——. 1996. *Beyond Positivism and Relativism: Theory, Method, and Evidence.* Boulder, CO: Westview Press.

Laudan, Larry, and Jarrett Leplin. 1996. "Empirical Equivalence and Underdetermination." In Laudan 1996: 55-73.

Lehoux, Daryn. 2012. *What Did the Romans Know? An Inquiry into Science and Worldmaking.* Chicago: University of Chicago Press.

Leonard, Thomas C. 2002. "Reflection on Rules in Science: An Invisible-Hand Perspective." *Journal of Economic Methodology* 9: 141-168.

Lewens, Tim. 2005. "Realism and the Strong Program." *British Journal for the Philosophy of Science* 56: 559-577.

Liebowitz, S.J., and Stephen E. Margolis. 1995. "Path Dependence, Lock-In, and History." *Journal of Law, Economics, and Organization* 11: 205-226.

Loewer, Barry. 2008. "Determinism." In Psillos and Curd 2008, 327-336.

Love, Alan C. 2015. "What-If History of Science." *Metascience* 24: 5-12.

Lovejoy, Arthur O. 1940. "Reflections on the History of Ideas." *Journal of the History of Ideas* 1 (1): 3-23.

Lynch, Michael. 1992. "Extending Wittgenstein: The Pivotal Move from Epistemology to the Sociology of Science." In Pickering 1992, 215-265.

——. 1996. "DeKanting Agency: Comments on Bruno Latour's 'On Interobjectivity'." *Mind, Culture, and Activity* 3 (4): 246-251.

Maienschein, Jane. 2000. "Why Study History for Science?" *Biology and Philosophy* 15 (3): 339-348.

Maienschein, Jane, and Manfred Laubichler. 2008. "How Can History of Science Matter to Scientists?" *Isis* 99: 341-349.

Mandelbaum, Maurice. 1957. "The Scientific Background of Evolutionary Theory in Biology." *Journal of the History of Ideas* 18 (3): 342-361.

——. 1958. “Darwin’s Religious Views.” *Journal of the History of deas* 19 (3): 363-378.
Martin, Joseph D. 2013. “Is the Contingentist/Inevitabilist Debate a Matter of Degrees?” *Philosophy of Science* 80: 919-930.
Martinich, A.P. 2009. “Four Senses of ‘Meaning’ in the History of Ideas: Quentin Skinner’s Theory of Historical Interpretation.” *Journal of the Philosophy of History* 3: 225-245.
Marx, Karl. (1843-1844) 1982. *Werke, Artikel, Entwürfe, März 1843 bis August 1844*, in Karl Marx and Friedrich Engels, *Gesamtausgabe*, vol. 1 (2), edited by Günter Heyden, Anatoli Jegorow, Rolf Dlubek, Inge Taubert et al. Berlin: Dietz Verlag.
Mayer, Anna-K. 2000. “Setting Up a Discipline: Conflicting Agendas of the Cambridge History of Science Committee, 1936-1950.” *Studies in History and Philosophy of Science* 31 (4): 665-689.
——. 2004. “Setting Up a Discipline, II: British History of Science and the ‘End of Ideology’, 1931-1948..” *Studies in History and Philosophy of Science* 35: 41-72.
Mayr, Ernst. 1990. “When Is Historiography Whiggish?” *Journal of the History of Ideas* 51: 301-309.
McAllister, James W. 2004. “Thought Experiments and the Belief in Phenomena.” *Philosophy of Science* 71: 1164-1175.
——. 2005. “The Virtual Laboratory: Thought Experiments in Seventeenth-Century Mechanics.” In *Collection—Laboratory—Theater. Scenes of Knowledge in the 17th Century*, 35-56. Berlin: Walter de Gruyter.
——. 2013. “Thought Experiment and the Exercise of Imagination in Science.” In Frappier, Meynell, and Brown 2013, 11-29.
McGuire, J.E., and Barbara Tuchańska. 2000. *Science Unfettered: A Philosophical Study in Sociohistorical Ontology.* Athens: Ohio University Press.
McIntyre, Kenneth B. 2008. “Historicity as Methodology or Hermeneutics: Collingwood’s Influence on Skinner and Gadamer.” *Journal of the Philosophy of History* 2: 138-166.
McMullin, Ernan. 1984. “The Rational and the Socail in the History of Science.” In Brown 1984, 127-163.
——. 1995. “Underdetermination.” *Journal of Medicine and Philosophy* 20: 233-252.
Megill, Allan. 2007. *Historical Knowledge, Historical Error: A Contemporary Guide to Practice*. Chicago: University of Chicago Press.
Merton, Robert K. 1938. “Science and the Social Order.” In Merton 1973, 254-266.
——. 1941. “Znaniecki’s *The Social Role of the Man of Knowledge*.” In Merton 1973, 111-115.
——. 1942. “The Normative Structure of Science.” In Merton 1973, 267-278.
——. 1945. “Paradigm for the Sociology of Knowledge.” In Merton 1973, 7-40.
——. 1970. *Science, Technology and Society in Seventeenth-Century England*. New York: Harper & Row.
——. 1973. *The Sociology of Science: Theoretical and Empirical Investigations.* Edited by Norman William Storer. Chicago: University of Chicago Press.

——. 1977. "The Sociology of Science: An Episodic Memoir." In *The Sociology of Science in Europe,* edited by Robert K. Merton and Jerry Gaston. Carbondale: Southern Illinois University Press.

Merton, Robert K., and Bernard Barber. 1963. "Sorokin's Formulations in the Sociology of Science." In Merton 1973, 142-172.

Munévar, Gonzalo. 1988. "Hull, Straight Biology, and Straight Epistemology." *Biology and Philosophy* 3: 209-214.

Nagel, Ernest. 1959. "Commentary on the Papers of A.C. Crombie and Joseph T. Clark." In Clagett 1959

——. 1960. "Determinism in History." *Philosophy and Phenomenological Research* 20: 291-317.

Nauert, Charles G. 1957. "Magic and Skepticism in Agrippa's Thought." *Journal of the History of Ideas* 18 (2): 161-182.

Needham, Rodney. 1960. "Descent Systems and Ideal Language." *Philosophy of Science*. 27 (1): 96-101.

Newall, Paul. 2009. "Logical Fallacies of Historians." In Tucker 2009, 262-273.

Newman, William R. 2006. "From Alchemy to 'Chymistry'." In *The Cambridge History of Science,* vol. 3, *Early Modern Science*, edited by Katharine Park and Lorraine Daston, 497-517. Cambridge: Cambridge University Press.

Newman, William R., and Lawrence M. Principe. 1998. "Alchemy vs Chemistry: The Etymological Origins of a Historiographical Mistake." *Early Science and Medicine* 3 (1): 32-65.

——. 2002. *Alchemy Tried in the Fire: Starkey, Boyle, and the Fate of Helmontia Chymistry*. Chicago: University of Chicago Press.

Nola, Robert, ed. 1988. *Relativism and Realism in Science*. Dordrecht: Springer.

Norton, John D. 2004. "Why Thought Experiments do not Transcend Empiricism." In Hitchcock 2004, 44-66.

Nozick, Robert. 2001. *Invariances: The Structure of the Objective World*. Cambridge, MA: Belknap Press of Harvard University Press.

Oshaka, Samir. 2000. "The Underdetermination of Theory by Data and the 'Strong Programme' in the Sociology of Knowledge." *International Studies in the Philosophy of Science* 14 (3): 284-297.

Olby, Robert C. 1990. *Companion to the History of Modern Science*. London: Routledge.

Page, Scott E. 2006. "Essay: Path Dependence." *Quarterly Journal of Political Science* 1: 87-115.

Papineau, David. 1988. "Does the Sociology of Science Discredit Science?" In Nola 1988, 37-57.

Pettit, Philipp. 1988. "The Strong Sociology of Knowledge without Relativism." In Nola 1988, 81-91.

Pickering, Andrew. 1984. *Constructing Quarks*: *A Sociological History of Particle Physics*. Chicago: University of Chicago Press.

——, ed. 1992. *Science as Practice and Culture*. Chicago: University of Chicago Press.

Plotkin, Henry C., ed. 1982. *Learning, Development, and Culture*. New York: John Wiley & Sons.

Pocock, J.G.A. 1985. "Introduction: The State of the Art" In *Virtue, Commerce, and History: Essays on Political Thought and History, Chiefly in the Eighteenth Century,* 1-34. Cambridge: Cambridge University Press.

Poe, Marshall. 1996. "Butterfield's Sociology of Whig History: A Contribution to the Study of Anachronism in Modern Historical Thought." *Clio* 25 (4): 345-363.

Popper, Karl R. (1963) 1972. *Conjectures and Refutations: The Growth of Scientific Knowledge*. London: Routledge & Kegan Paul.

Principe, Lawrence. 2000. "Apparatus and Reproducibility in Alchemy." In *Instruments and Experimentation in the History of Chemistry*, edited by Frederic L. Holmes and Trevor Levere, 55-74. Cambridge, MA: MIT Press.

Principe, Lawrence M., and William R. Newman. 2001. "Some Problems with the Historiography of Alchemy." In *Secrets of Nature: Astrology and Alchemy in Early Modern Europe*, edited by William R. Newman and Anthony Grafton, 385-431. Cambridge, MA: MIT Press.

Psillos, Stathis, and Martin Curd, eds. 2008. *The Routledge Companion to Philosophy of Science*. London: Routledge.

Quine, W.V.O. 1951. "Two Dogmas of Empiricism." *Philosophical Review* 60: 20-43.

———. 1960. *Word and Object*. Cambridge, MA: Technology Press of the Massachusetts Institute of Technology.

Radick, Gregory. 2008. "Introduction: Why What If?" *Isis* 99: 547-551.

Ravetz, Jerome, and Richard Westfall. 1981. "Marxism and the History of Science." *Isis* 72: 393-405.

Reiss, Julian. 2009. "Counterfactuals, Thought Experiments, and Singular Causal Analysis in History." *Philosophy of Science* 76 (5): 712-723.

Rescher, Nicholas. 1987. *Scientific Realism: A Critical Appraisal*. Dordrecht: Reidel.

———. 2008. *Epistemic Pragmatism and Other Studies in the Theory of Knowledge*. Frankfurt: Ontos.

Richards, Robert J. 2015. "What-If History of Science." *Metascience* 24: 12-17.

Rickles, Dean. 2011. "Just One Damn Thing after Another." *Metascience* 20: 407-412.

Roll-Hansen, Nils. 1980. "The Controversy between Biometricians and Mendelians: A Test Case for the Sociology of Scientific Knowledge." *Social Science Information* 19: 501-517.

Rorty, Richard. (1979) 2009. *Philosophy and the Mirror of Nature*. Princeton: Princeton University Press.

———. 1980. "Pragmatism, Relativism, and Irrationalism." *Proceedings and Adresses of the American Philosophical Association* 53 (6): 717, 719-738.

———. 1982. *Consequences of Pragmatism*. Minneapolis: University of Minnesota Press.

——. 1987. "Science as Solidarity." In *The Rhetoric of the Human Sciences: Language and Argument in Scholarship and Public Affaird*, edited by John S. Nelson, Allan Megill, and Donald N. McCloskey, 38-52. Madison: University of Wisconsin Press.

Sankey, Howard. 2008. "Scientific Realism and the Inevitability of Science." *Studies in History and Philosophy of Science* 39: 259-264.

Sarton, George. 1931. *The History of Science and the New Humanism*. New York: Henry Holt.

——. 1952a. *A Guide to the History of Science: A First Guide for the Study of the History of Science: With Introductory Essays on Science and Tradition*. Waltham, MA: Chronica Botanica Company.

——. 1952b. *A History of Science*, vol. 1, *Ancient Science Through the Golden Age of Greece*. Cambridge, MA: Harvard University Press.

——. 1953. *Science Versus the Humanities: The History of Science*. Jerusalem: Reubeni Library.

Schickore, Jutta. 2011. "What Does History Matter to the Philosophy of Science? The Concept of Replication and the Methodology of Experiments." *Journal of the Philosophy of History* 5: 513-532.

Sellars, Wilfrid. (1963) 1991. *Science, Perception and Reality*. Atascadero: Ridgeview.

Shapin, Steven. 1984. "Pump and Circumstance: Robert Boyle's Literary Technology." *Social Studies of Science* 14 (4): 481-520.

——. 1988. "Following Scientists Around." *Social Studies of Science* 18 (3): 533-550.

——. 1992. "Discipline and Bounding: The History and Sociology of Science as Seen through the Externalism-Internalism Debate." *History of Science* 30: 333-369.

——. 2010. *Never Pure: Historical Studies of Science as if It Was Produced by People with Bodies, Situated in Time, Space, Culture, and Society, and Struggling for Credibility and Authority*. Baltimore: Johns Hopkins University Press.

Shapin, Steven, and Simon Schaffer. 1985. *Leviathan and the Air-Pump: Hobbes, Boyle, and the Experimental Life.* Princeton: Princeton University Press.

Sharrock, Wes. 2004. "No Case to Answer: A Response to Martin Kusch's 'Rule-Scepticism and the Sociology of Scientific Knowledge'." *Social Studies of Science* 34: 603-614.

Sheehan, Helena. 2007. "Marxism and Science Studies: A Sweep Through the Decades." *International Studies in the Philosophy of Science* 21 (2): 197-210.

Skagestad, Peter. 1978. "Taking Evolution Seriously: Critical Comments on D.T. Campbell's Evolutionary Epistemology." *The Monist* 61: 611-621.

Skinner, Quentin. 1969. "Meaning and Understanding in the History of Ideas." *History and Theory* 8 (1): 3-53.

Skodo, Admir. 2009. "Review Article: Post-Analytic Philosophy of History." *Journal of the Philosophy of History* 3: 308-333.

Smith, C.U.M. 1988. "Send Reinforcements We're Going to Advance." *Biology and Philosophy* 3: 214-217.

Snow, C.P. 1959. *The Two Cultures and the Scientific Revolution*. Cambridge: Cambridge University Press.

Soler, Léna. 2008a. "Are the Results of Our Science Contingent or Inevitable?" *Studies in History and Philosophy of Science* 39: 221-229.

——. 2008b. "Revealing the Analytical Strucutre and Some Intrinsic Major Difficulties of the Contingentist/Inevitabilist Issue." *Studies in History and Philosophy of Science* 39: 230-241.

Špelda, Daniel. 2012. "Anachronisms in the History of Science: An Attempt at a Typology." *Almagest* 3 (2): 90-119.

Spoerhase, Carlos, and Colin G. King. 2009. "Historical Fallacies of Historians." In Tucker 2009, 274-284.

Stanford, P. Kyle. 2006. *Exceeding our Grasp: Science, History, and the Problem of Unconceived Alternatives*. Oxford: Oxford University Press.

Stent, Günther S. (1972) 2002. "Prematurity in Scientific Discovery." In Hook 2002, 22-33.

Sterelny, Kim. 1994. "Science and Selection." *Biology and Philosophy* 9: 45-62.

Strong, E.W. 1952. "Newton and God." *Journal of the History of Ideas* 13 (2) 147-167.

——. 1955. "William Whewell and John Stuart Mill: Their Controversy about Scientific Knowledge." *Journal of the History of Ideas* 16 (2): 209-231.

Stuart-Fox, Martin. 1999. "Evolutionary Theories of History." *History and Theory* 38 (4): 33-51.

Stump, James B. 2001. "Much Ado about Nothing: Science and Hermeneutics." *Science and Education* 4: 161-171.

Taylor, Charles Alan. 1996. *Defining Science: A Rhetoric of Demarcation*. Madison: University of Wisconsin Press.

Taylor, Christopher, and Daniel Dennett. 2002. "Who's Afraid of Determinism? Rethinking Causes and Possibilities." In *The Oxford Handbook of Free Will*, edited by Robert H. Kane, 257-277. Oxford: Oxford University Press.

Thagard, Paul. 1980. "Against Evolutionary Epistemology." *Proceedings of the Biennial Meeting of the Philosophy of Science Association*, 1, *Contributed Papers*: 187-196.

Tosh, Nick. 2003. "Anachronism and Retrospective Explanation: In Defence of a Present-Centred History of Science." *Studies in History and Philosophy of Science* 34: 647-659.

——. 2006. "Science, Truth and History I: Historiography, Relativism, and the Sociology of Scientific Knowledge." *Studies in History and Philosophy of Science* 37: 675-701.

——. 2007. "Science, Truth and History II: Metaphysical Bolt-Holes for the Sociology of Scientific Knowledge?" *Studies in History and Philosophy of Science* 38: 185-209

Toulmin, Stephen E. 1957. "Crucial Experiments: Priestley and Lavoisier." *Journal of the History of Ideas* 18 (2): 205-220.

Trizio, Emiliano. 2008. "How Many Sciences for One World? Contingency and the Success of Science." *Studies in History and Philosophy of Science* 39: 253-258.

Tucker, Aviezer, ed. 2009. *A Companion to the Philosophy of History and Historiography*. Malden, MA: Wiley-Blackwell.

Turner, J.R.G. 1990. "The History of Science and the Working Scientist." In Olby 1990, 23-31.

Ullmann-Margalit, Edna. 1978. "On Invisible-Hand Explanation." *Synthese* 39: 263-291.

Vartanian, Aram. 1950. “Trembley’s Polyp, La Mettrie, and Eighteenth-Century French Materialism.” *Journal of the History of Ideas* 11 (3): 259-286.

Warnke, Georgia. 2012. “Solidarity and Tradition in Gadamer’s Hermeneutics.” *History and Theory* 51: 6-22.

Watson, George. 1986. “The War against the Whigs: Butterfield’s Victory … and Defeat.” *Encounter* 66: 19-25.

Weber, Max. 1903-1906. “Roscher und Knies und die logischen Probleme der historischen Nationalökonomie.” In Weber 1922, 1-145.

———. 1904. “Die Objektivität sozialwissenschafticher und sozialpolitischer Erkenntnis.” In Weber 1922, 146-214.

———. 1917-1918. “Der Sinn der ‘Wertfreiheit’ der soziologischen und ökonomischen Wissenschaften.” In Weber 1922, 451-502.

———. 1919a. “Wissenschaft als Beruf.” In Weber 1992, 71-111.

———. 1919b. “Politik als Beruf.“ In Weber 1992, 157-252.

———. 1922. *Gesammelte Aufsa̋tze zur Wissenschaftslehre*. Tübingen: Mohr.

———. 1992. *Gesamtausgabe* vol. 1 (17), edited by Wolfgang J. Mommsen and Wolfgang Schluchter. Tübingen: J.B.C. Mohr.

Weinberg, Steven. (1996) 2001. “Physics and History.” In *Facing Up: Science and Its Cultural Adversaries.* Cambridge, MA: Harvard University Press.

———. 2015. *To Explain the World: The Discovery of Modern Science.* New York: Harper.

Weinryb, Elazar. 2009. “Historiographic Counterfactuals.” In Tucker 2009, 109-119.

Weinsheimer, Joel C. 1985. *Gadamer’s Hermeneutics: A Reading of Truth and Method*. New Haven: Yale University Press.

Westfall, Richard S. 1975 “The Role of Alchemy in Newton’s Career.” In *Reason, Experiment, and Mysticism in the Scientific Revolution*, edited by M.L. Righini Bonelli and William R. Shea, 189-232. New York: Science History Publications.

———. 1984. “Newton and Alchemy.” In *Occult and Scientific Mentalities in the Renaissance*, edited by Brian Vickers. Cambridge: Cambridge University Press.

White, Paul. 2005. Review of *An Elusive Victorian* by Martin Fichman, *Isis* 96: 129-130.

Williams, Bernard. 2002. *Truth and Truthfulness: An Essay in Genealogy*. Princeton: Princeton University Press.

Wilson, Adrian, and T.G. Ashplant. 1988. “Whig History and Present-Centred History.” *The Historical Journal* 31: 1-16.

Wray, K. Brad. 2000. “Invisible Hands and the Success of Science.” *Philosophy of Science* 67: 163-175.

Woolgar, Steve. 1981. “Interests and Explanation in the Social Study of Science.” *Social Studies of Science* 11 (3): 365-394.

Ylikoski, Petri. 1995. “The Invisible Hand and Science.” *Science Studies* 8: 32-43.

Zilsel, Edgar. 1941. “The Origins of William Gilbert’s Scientific Method.” *Journal of the History of Ideas* 2: 1-31.