

Extended Bibliography

From Madman to Crime Fighter: The Scientist in Western Culture, by Roslynn D. Haynes

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Abraham, Lyndy. *Marvell and Alchemy*. Aldershot: Scolar, 1990.

Abrams, M. H. *The Mirror and the Lamp*. New York: W. W. Norton, 1958.

Arnold, Ken. *Cabinets for the Curious: Looking Back at Early British Museums*. Aldershot: Ashgate, 2006.

Bacon, Francis. *The Works of Francis Bacon*. Edited by James Spedding, Robert Leslie Ellis, and Douglas Denton Heath, 14 vols. London: Longman, 1857–74.

Beck, Ulrich. *World at Risk*. Translated by Ciarin Cromer. Malden, MA: Polity, 2009.

Becker, Carl. *Progress and Power*. New York: Vintage Books, 1965.

Ben-David, Joseph. *The Scientist's Role in Society: A Comparative Study*. Englewood Cliffs, NJ: Prentice-Hall, 1971.

Bennett, J. A. *The Divided Circle: A History of Instruments for Astronomy, Navigation, and Surveying*. Oxford: Phaidon, 1987.

Bergman, Kerstin. "Girls Just Wanna Be Smart? The Depiction of Women Scientists in Contemporary Crime Fiction." *International Journal of Gender, Science and Technology* 4, no. 3 (2012): 313–29.

Bernstein, Barton J. "Shatterer of Worlds: Hiroshima and Nagasaki." *Bulletin of the Atomic Scientists* 31, no. 10 (1975): 12–22.

- Bleiler, Everett Franklin and Bleiler, Richard. *Science Fiction: The Early Years*. Kent, OH: Kent State University, 1990.
- Brians, Paul. *Nuclear Holocausts: Atomic War in Fiction, 1895–1984*. Kent, OH: Kent State University Press, 1987.
- Broad, William. *Star Warriors*. New York: Simon & Schuster, 1985.
- Broderick, Mick. *Nuclear Movies: A Filmography*. Northcote, Vic.: Post-Modem, 1988.
- Browne, Sir Thomas. *Religio Medici*. London: Dent, 1962.
- Burn, Stephen J. “An Interview with Richard Powers.” *Contemporary Literature* 49 (Summer 2008): 163–79.
- Cartwright, John H. and Baker, Brian. *Literature and Science: Social Impact and Interaction*. Santa Barbara, CA: ABC-CLIO, 2005.
- Chapman, Douglas. “To a New World of Gods and Monsters: Mad Scientists and the Movies.” *Strange Magazine* no. 2, (1988), retrieved Oct. 2016 from www.strangemag.com/madscientists/madscientists.html.
- Clark, Constance Areson. “Evolution for John Doe: Pictures, the Public, and the Scopes Trial Debate.” *Journal of American History* 87, no. 4 (2000): 1275–1303.
- Clerens, Carlos. *An Illustrated History of the Horror Film*. New York: Capricorn, 1967.
- Clute, John, “Edisonade.” In *The Encyclopedia of Science Fiction*. Edited by John Clute and Peter Nicholls, 2nd ed. New York: St Martin’s, 1993.
- Coeckelbergh, Mark. “Personal Robots, Appearance, and Human Good: A Methodological Reflection on Roboethics.” *International Journal of Social Robotics* 1, no. 3 (2009): 217–21.
- Cohen, John. *Human Robots in Myth and Science*. London: George Allen & Unwin, 1966.

- Colatrella, Carol. *Toys and Tools in Pink: Cultural Narratives of Gender, Science and Technology*. Columbus: Ohio State University Press, 2011.
- Cooper, J. C. *Chinese Alchemy: The Daoist Quest for Immortality*. New York: Sterling, 1990.
- Cowley, Abraham. *A Proposition for the Advancement of Learning*. Ann Arbor, MI: Text Creation Partnership, 2008–09.
- Cummings, Richard. *The Alchemists: Fathers of Practical Chemistry*. New York: David McKay, 1966.
- D'Alembert, Jean le Rond. *Eléments de philosophie* [1759]. In *Oeuvres philosophiques, historiques, et littéraires de d'Alembert*. Edited by J. F. Bastien, 2d ed., 8 vols. Paris: A. Belin, Readex Microprints, 1821, 1:121.
- Diderot, Denis. *L'Encyclopédie, ou Dictionnaire raisonné des sciences, des arts et des métiers, dirigé par Diderot & d'Alembert*. In *Oeuvres complètes de Diderot*. Paris: Garnier, 1875–77.
- Dobbs, Betty Jo Teeter. *The Foundations of Newton's Alchemy; or, "The Hunting of the Greene Lyon."* Cambridge: Cambridge University Press, 1975.
- Dobbs, Betty Jo Teeter. *The Janus Faces of Genius: The Role of Alchemy in Newton's Thought*. Cambridge: Cambridge University Press, 1991.
- , no. 9 *Library Association Record* 71 (1969).
- Dürrenmatt, Friedrich. *Theaterschriften und Reden*. Zurich: Im Verlag der Arche, 1966.
- Dyson, Freeman. *The Day after Trinity: J. Robert Oppenheimer and the Atomic Bomb*. Kent, OH: Transcript Library, 1981.
- Dyson, Freeman. "Weapons and Hope." *New Yorker* (13 February 1984).

- Easlea, Brian. *Science and Sexual Oppression: Patriarchy's Confrontation with Women and Nature*. London: Weidenfeld & Nicholson, 1981.
- Easlea, Brian. *Fathering the Unthinkable: Masculinity, Scientists and the Nuclear Arms Race*. London: Pluto, 1983.
- Elena, Alberto. "Skirts in the Lab: Marie Curie and the Image of the Woman Scientist in the Feature Film." *Public Understanding of Science* 6 (1997): 269–76.
- Ellul, Jacques. *The Technological Society*. New York: Knopf, 1964.
- Fanning Jr., William J. *Death Rays and the Popular Media, 1876–1939: A Study of Directed Energy Weapons in Fact, Fiction and Film*. Jefferson, NC: McFarland, 2015.
- Figala, Karin. "Newton's Alchemy." In *The Cambridge Companion to Newton*. Edited by I. Bernard Cohen and George Edwin Smith. Cambridge: Cambridge University Press, 2004.
- Flicker, Eva. "Between Brains and Breasts – Women Scientists in Fiction Film: On the Marginalization and Sexualization of Scientific Competence." *Public Understanding of Science* 12 (2003): 307–18.
- Frayling, Christopher. *Mad, Bad and Dangerous?: The Scientist and the Cinema*. London: Reaktion Books, 2004.
- French, R. D. *Antivivisection and Medical Science in Victorian Society*. Princeton, NJ: Princeton University Press, 1975.
- Frewin, Anthony. *One Hundred Years of Science Fiction Illustration, 1840–1940*. London: Bloomsbury Books, 1988.
- Godwin, William. *Enquiry Concerning Political Justice and Its Influence on Morals and Happiness*. London: Penguin, 1976.

- Gossin, Pamela. *Thomas Hardy's Novel Universe: Astronomy, Cosmology, and Gender in the Post-Darwinian World*. Aldershot: Ashgate, 2007.
- Gratzer, Walter. *The Longman Literary Companion to Science*. Harlow, Essex: Longman, 1989.
- Guerlac, Henry. "Where the Statue Stood: Divergent Loyalties to Newton in the Eighteenth Century." In *Aspects of the Eighteenth Century*. Edited by E. R. Wasserman. Baltimore, MD: Johns Hopkins University Press, 1965.
- Hanson, Sandra L. "Gender, Families and Science: Influences on Early Training and Career Choices." *Journal of Women and Minorities in Science and Engineering* 6 (2000): 169–87.
- Haraway, Donna. "A Cyborg Manifesto." In *Simians, Cyborgs and Women: The Reinvention of Nature*. New York: Routledge, 1991.
- Hawking, Stephen. "Do Black Holes Have No Hair?" BBC Reith Lecture, 26 January, 2016. Transcript retrieved from www.bbc.com/news/science-environment-35354313.
- Haynes, Roslynn D. *From Faust to Strangelove: Representations of the scientist in Western Literature*. Baltimore, MD and London: Johns Hopkins University Press, 1994.
- Haynes, Roslynn D. "The Alchemist in Fiction: The Master Narrative." *HYLE International Journal for the Philosophy of Chemistry* 12, no. 1 (2006): 5–29.
- Haynes, Roslynn D. "Whatever happened to the 'mad, bad' Scientist? Overturning the Stereotype." *Public Understanding of Science* 25, no. 1 (2016): 31–44.
- Heimann, Peter M. "The Scientific Revolution." In *The New Cambridge Modern History XIII, Companion Volume*. Edited by Peter Burke. Oxford: Oxford University Press, 1979.

- Herken, Greg. *Counsels of War*. New York: Knopf, 1983.
- Hillegas, M. R. ed. *Shadows of Imagination: The Fantasies of C. S. Lewis, J. R. R. Tolkien and Charles Williams*. Carbondale, IL: Southern Illinois University Press, 1969.
- Holmes, Richard. *The Age of Wonder: How the Romantic Generation Discovered the Beauty and the Terror of Science*. New York: HarperCollins, 2008.
- Horne, C. J. "Literature and Science." In *The Pelican Guide to English Literature*. Edited by Boris Ford. Harmondsworth: Penguin, 1973, vol. 4.
- Houghton, Walter E. *The Victorian Frame of Mind, 1830–1870*. New Haven, CT: Yale University Press, 1957.
- Hunter, Michael. *Science and Society in Restoration England*. Cambridge: Cambridge University Press, 1981.
- Huysen, Andreas. "The Vamp and the Machine: Technology and Sexuality in Fritz Lang's *Metropolis*." *New German Critique* 24/25 (1981–82): 221–37.
- Irving, David. *The German Atomic Bomb: The History of Nuclear Research in Nazi Germany*. New York: Simon & Schuster, 1967.
- Jardine, Lisa. *The Curious Life of Robert Hooke: The Man Who Measured London*. London: HarperCollins, 2003.
- Jones, R. F. "Background of the Attack on Science in the Age of Pope." in *Pope and His Contemporaries*. Edited by J. L. Clifford and L. A. Landa. Oxford: Oxford University Press, 1949.
- Jones, William Powell. "Newton Further Demands the Muse." *Studies in English Literature* 3 (1963): 287–306.
- Kane, Joe. "Nuclear Films," *Take One 2* (July/August 1969).

- Keller, Evelyn Fox. *Feminism and Science*. Oxford: Oxford University Press, 1996.
- Kendall, Lori. "Oh No! I'm a Nerd: Hegemonic Masculinity on an Online Forum," *Gender and Society* 14, no. 2 (2000): 256–74.
- Keynes, J. M. "Newton the Man." *Proceedings of the Royal Society: Newton Tercentenary Celebrations, 15–19 July 1946*. Cambridge: Cambridge University Press, 1974.
- Kingsley, Charles. *Sanitary and Social Essays*, in *Collected Works*, vol. 18. London: Macmillan, 1880.
- Kirby, David. "Extrapolating Race in GATTACA: Genetic Passing, Identity, the New Eugenics and the Science of Race." *Literature and Medicine* 23, no. 1 (2004): 184–200.
- Kirby, David. *Lab Coats in Hollywood: Science, Scientists, and Cinema*. Cambridge, MA: MIT Press, 2011.
- Klaes, Larry. "'Contact' Film Review." 1997. Retrieved from www.coseti.org/klaescnt.htm#Eleanor%20Arroway%20.
- Koestler, Arthur. *The Sleepwalkers*. London: Penguin, 1988.
- Kottler, Malcolm Jay. "Alfred Russel Wallace, the Origin of Man and Spiritualism." *Isis* 65, no. 2 (1974): 144–92.
- Kuhn, Thomas. *The Structure of Scientific Revolutions*. Chicago, IL: University of Chicago Press, 1962.
- Lang, Fritz. *Metropolis*. Letchworth Herts: Garden City Press, 1973.
- Lange, Daniel. "Ex-Oracles." *Harper's Magazine* 245 (December 1972): 34–43.
- Laplace, Pierre Simon, Marquis de. *The System of the World* [1796]. Translated by J. Pond. London: R. Phillips, Readex Microprints, 1830.

- Le Guin, Ursula K. "American SF and the Other." *Science Fiction Studies* 2, no. 3, (1975).
- Lem, Stanislaw. "Robots in Science Fiction." in *SF: The Other Side of Realism: Essays on Modern Fantasy and Science Fiction*. Edited by Thomas D. Clareson. Bowling Green, KY: Bowling Green University Popular Press, 1971.
- Lemonick, Michael. "Cloning Classics." *Time* 142, no. 19 (8 November, 1993).
- Levine, George. *Realism, Ethics and Secularism: Essays on Victorian Literature and Science*. Cambridge: Cambridge University Press, 2008.
- Levy, David. "The Ethical Treatment of Artificially Conscious Robots." *International Journal of Social Robotics* 1, no. 3 (2009): 209–16.
- Lim, H. "Caesareans and Cyborgs." *Feminist Legal Studies* 7, no. 2 (1999): 133–73.
- Lippman, Abby. "Prenatal Genetic Testing and Screening: Constructing Needs and reinforcing Inequities." *American Journal of Law and Medicine* 17 nos. 1–2 (1991): 15–50.
- Lloyd, Genevieve. *The Man of Reason: "Male" and "Female" in Western Philosophy*. London: Routledge, 1984.
- Maison, Margaret M. *Search Your Soul, Eustace*. London: Sheed & Ward, 1961.
- Markus, Gyorgy. *Culture, Science, Society: The Constitution of Cultural Modernity*. Leiden: Brill, 2011.
- McCalman, Iain. *Darwin's Armada*. Camberwell, Vic.: Penguin, 2009.
- Merchant, Carolyn. *The Death of Nature: Women, Ecology and the Scientific Revolution*. San Francisco: Harper & Row, 1980.
- Merton, Robert K. "Science, Technology, and Society in Seventeenth-Century England." *Osiris* 4 (1938): 360–632.

- Merton, R. K. "The Normative Structure of Science." In *The Sociology of Science: Theoretical and Empirical Investigations*. Chicago, IL: University of Chicago Press, 1942, 270–78.
- Merton, Robert K. "The Matthew Effect in Science." *Science* 159, no. 3810 (1968): 56–63.
- Miller, J. Hillis. *The Disappearance of God*. Cambridge, MA: Harvard University Press, 1963.
- Millikan, Robert. *Evolution in Science and Religion*. New Haven, CT: Yale University Press, 1927.
- Miyoshi, Masao. *The Divided Self: A Perspective on the Literature of the Victorians*. New York: New York University Press, 1969.
- Mumford, Lewis. *Technics and Civilization*. London: Routledge, 1934.
- Nelkin, Dorothy and Lindee, M. Susan. *The DNA Mystique: The Gene as a Cultural Icon*. New York: W. H. Freeman, 1995.
- Nevins, Jess. "From Alexander Pope to 'Splice': A Short History of the Female Mad Scientist." 2011. retrieved from <http://io9.gizmodo.com/5794436/from-alexander-pope-to-splice-a-short-history-of-the-female-mad-scientist>.
- Newman, Charles. *The Evolution of Medical Education in the Nineteenth Century*. London: Oxford University Press, 1957.
- Nicolson, Marjorie. *Voyages to the Moon*. New York: Macmillan, 1960.
- Nicolson, Marjorie and Mohler, Nora. "Swift's 'Flying Island' in the *Voyage to Laputa*." *Annals of Science* 2 (1937): 299–335.
- Noonan, Bonnie. *Women Scientists in Fifties Science Fiction Films*. Jefferson, NC: McFarland, 2005.

- Oldroyd, David. *Darwinian Impacts: An Introduction to the Darwinian Revolution*.
Kensington, NSW: UNSW Press, 1980.
- Olson, Richard G., ed. *Science as Metaphor: The Historical Role of Scientific Theories in Forming Western Culture*. Belmont, CA: Wadsworth, 1971.
- Patai, Raphael. *The Jewish Alchemists: A History and Source Book*. Princeton, NJ: Princeton University Press, 1995.
- Philmus, R. *Into the Unknown*. Berkeley, CA: University of California Press, 1970.
- Popper, Karl R. "Science as Falsification." In *Conjectures and Refutations: The Growth of Scientific Knowledge*. London: Routledge & Kegan Paul, 1963: 33–39.
- Pregadio, Fabrizio. *The Way of the Golden Elixir: An Introduction to Taoist Alchemy*.
Mountain View, CA: Golden Elixir Press, 2014. Retrieved from
www.goldenelixir.com/files/The_Way_of_the_Golden_Elixir.pdf.
- Pyle, Andrew, ed. "Meric Casaubon," in *Dictionary of Seventeenth-Century British Philosophers*. London: Thoemmes Continuum, 2000.
- Rabinowitch, Eugene. "History's Challenge to Scientists." *Bulletin of the Atomic Scientists* 12, no. 7 (1956): 238–40.
- Roberts, Robin. *A New Species: Gender and Science in Science Fiction*. Urbana, IL: University of Illinois Press, 1993.
- Roos, David A. "Matthew Arnold and Thomas Henry Huxley: Two Speeches at the Royal Academy, 1881 and 1883." *Modern Philology* 74, no. 3 (1977): 316–24.
- Rose, Christopher. "How to Teach Biology Using the Movie Science of Cloning People, Resurrecting the Dead, and Combining Flies and Humans." *Public Understanding of Science* 12, no. 3 (2003): 289–96.

- Ross, Sydney. "Scientist: The Story of a Word." *Annals of Science* 18 (1962): 65–85.
- Rossiter, Margaret W. "The Matthew Matilda Effect in Science." *Social Studies of Science* 23, no. 2 (1993): 325–41.
- Roszak, Theodore. "The Monster and the Titan: Science, Knowledge and Gnosis." *Daedalus* 103, no. 3 (1974): 17–32.
- Rotblat, Joseph. "Leaving the Bomb Project." *Bulletin of the Atomic Scientists* 41, no. 7 (1985): 16–19.
- Schiebinger, Londa. "Women of Natural Knowledge." In *The Cambridge History of Early Modern Science*. Edited by Katherine Park and Lorraine Daston. Cambridge: Cambridge University Press, 2006, 192–205.
- Schimank, Uwe. "Science as a Societal Risk Producer: A General Model of Intersystemic Dynamics, and Some Specific Institutional Determinants of Research Behavior." In *The Culture and Power of Knowledge: Inquiries into Contemporary Societies*. Edited by Nico Stehr and Richard V. Ericson. Berlin: De Gruyter, 1992: 215–34.
- Schummer, Joachim. "Historical Roots of the 'Mad Scientist': Chemists in Nineteenth-Century Literature." In *The Public Image of Chemistry*, edited by J. Schummer, B. Bensaude-Vincent & B. Van Tiggelen. Singapore: World Scientific Publishing Co. 2007: 37–79.
- Shelley, Percy Bysshe. *A Defence of Poetry*. Edited by Roland A. Duerksen. New York: Appleton-Century-Crofts, 1970.
- Smeed, J. W. *Faust in Literature*. New York: Oxford University Press, 1975.
- Smith, Bernard. *European Vision and the South Pacific*. Sydney: Harper & Row, 1988.
- Sobel, Dana. *The Illustrated Longitude*. New York: Walker, 1995.

- Soddy, Frederick. *The Interpretation of the Atom*. London: John Murray, 1932.
- Sprat, Thomas. *History of the Royal Society of London for the Improving of Natural Knowledge*. Edited by J. L. Cope and H. W. Jones. London: Routledge, 1959.
- Steinke, Jocelyn. "Cultural Representations of Gender and Science: Portrayals of Female Scientists and Engineers in Popular Films." *Science Communication* 27, no. 1 (2005): 27–63.
- Stern, Philip M. in collaboration with Green, Harold P. *The Oppenheimer Case: Security on Trial*. New York: Harper and Row, 1969.
- Stimson, Dorothy. "Ballad of Gresham Colledge." *Isis* 18 (1932): 108–17.
- Stimson, Dorothy. *Scientists and Amateurs*. New York: Greenwood, 1968.
- Stratton, Jon. *The Desirable Body: Cultural Fetishism and the Erotics of Consumption*. Urbana, IL: University of Illinois Press, 2001.
- Strong, E. W. "Newton and God," *Journal of the History of Ideas* 13 (1952): 147–67.
- Suchman, L., Trigg, R. and Blomberg, J. "Working Artefacts: Ethnomethods of the Prototype." *British Journal of Sociology* 53, no. 2 (2002): 163–79.
- Sussman, H. L. *Victorians and the Machine*. Cambridge, MA: Harvard University Press, 1968.
- Swift, Jonathan. "The Mechanical Operation of the Spirit." In Swift, *Collected Works*, 16 vols., vol. 1. Oxford: Basil Blackwell, 1957.
- Syfret, R. H. "Some Early Critics of the Royal Society." *Notes and Records of the Royal Society of London* 8, no. 1 (1950): 20–64.
- Szilard, Leo. "Reminiscences." Edited by Gertrud Weiss Szilard and Kathleen R. Winsor. *Perspectives in American History* 2 (1968).

- Thomson, Keith. "Huxley, Wilberforce and the Oxford Museum." *American Scientist* 88, no. 5 (2000): 210.
- Tudor, Andrew. *Monsters and Mad Scientists: A Cultural History of the Horror Movie*. Oxford: Oxford University Press, 1989.
- Turner, Frank M. "Public Science in Britain, 1880–1919." In *Contesting Cultural Authority: Essays in Victorian Intellectual Life*. Cambridge: Cambridge University Press, 1993: 201–29.
- Tyndall, John. "The Belfast Address." In *Fragments of Science 2*. New York: Appleton, 1892.
- U.S. Atomic Energy Commission. *In the Matter of J. Robert Oppenheimer*. Washington, DC: USGPO, 1954.
- Visvanathan, Shiv. "Atomic Physics: The Career of an Imagination." *Alternatives: A Journal of World Policy* 10, no. 2 (1984).
- Wachhorst, Wyn. *Thomas Alva Edison: American Myth*. Cambridge, MA: MIT Press, 1981.
- Wagar, Warren. *Terminal Visions: The Literature of Last Things*. Bloomington, IN: Indiana University Press, 1982.
- Warrick, Patricia S. *The Cybernetic Imagination in Science Fiction*. Cambridge, MA: MIT Press, 1980.
- Wear, Spencer R. "The Physicist as Mad Scientist." *Physics Today*, 1938.
- Wear, Spencer R. *Scientists in Power*. Cambridge, MA: Harvard University Press, 1979.
- Weingart, Peter, Muhl, Claudia and Pansegrau, Petra. "Of Power Maniacs and Unethical Geniuses: Science and Scientists in Fiction Film." *Public Understanding of Science* 12, no. 3 (2003): 279–87.

- Weld, C. R. *History of the Royal Society*, 2 vols. London: John W. Parker, 1848.
- Wells, H. G. "Discovery of the Future." *Nature* 65, no. 1684 (6 Feb. 1902): 326–31.
- Wells, H. G. *A Modern Utopia*. London: Unwin, 1926.
- Wells, H. G. *The Fate of Homo Sapiens*. London: Secker & Warburg, 1939.
- Wells, H. G. *The Shape of Things to Come*. London: Hutchinson, 1933.
- Wells, H. G. *The World Brain*. London: Methuen, 1938.
- Wells, H. G. *World Brain*. London: Methuen, 1938.
- Wells, *The Open Conspiracy*. London: Hogarth, 1930.
- Wells, H. G. *The World Set Free*. London: Unwin, 1926.
- Welter, Rush. "The Idea of Progress in America," *Journal of the History of Ideas* 16 (1955): 401–15.
- Weltman, John S. "Trinity: The Weapons Scientists and the Nuclear Age." *SAIS Review* 5, no. 2 (1985): 29–39.
- Westfall, Richard S. *Force in Newton's Physics: The Science of Dynamics in the Seventeenth Century*. London: Macdonald, 1971.
- Westfall, Richard S. *Science and Religion in Seventeenth-Century England*. New Haven, CT: Yale University Press, 1958.
- [Whewell, W.] *On the Connexion of the Physical Sciences*. By Mrs. Somerville. *Quarterly Review* 51, no. 101 (1834): 58–68.
- Whewell, William. *The Philosophy of the Inductive Sciences*. 2 volumes. London: Parker, 1847.
- White, Michael. *Isaac Newton: The Last Sorcerer*. Boston: Da Cap, 1999.

Whitehead, A. N. *Science and the Modern World*. Cambridge: Cambridge University Press, 1953.

Whitehead, Alfred North. *Science and the Modern World*. Cambridge: Cambridge University Press, 1953.

Wirtén, Hammungs. *Making Marie Curie: Intellectual Property and Celebrity Culture in an Age of Information*. Chicago: University of Chicago Press, 2015.

Wotton, William. *Reflections Upon Ancient and Modern Learning* [1697]. London: Tim Goodwin, 1705.