

## Edward B. Davis

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### EDUCATION:

Ph.D. (History and Philosophy of Science), Indiana University (Bloomington, IN), August 1984  
M.A. (History and Philosophy of Science), Indiana University (Bloomington, IN), October 1981  
B.S. (Physics), Drexel University (Philadelphia, PA), June 1975

### PROFESSIONAL EXPERIENCE:

Professor of the History of Science, Messiah College, 1996-present; Distinguished Professor Chair, 2002-2012 and 2013-2018  
Associate Professor of Science and History, Messiah College, 1990-1996  
Assistant Professor of Science and History, Messiah College, 1985-1990  
Visiting Assistant Professor, Departments of History and Philosophy, Vanderbilt University (Nashville, TN), 1984-85

### WORKS in process:

*Spiking Bryan's Guns: Modernist Pamphlets about Science and Religion in a Fundamentalist Era.* Book manuscript under review by a university press.

### SCHOLARLY EDITIONS OF PRIMARY SOURCES:

Michael Hunter and Edward B. Davis, eds., *The Works of Robert Boyle*, 14 volumes. The Pickering Masters series. London: Pickering & Chatto, 1999-2000.

Edward B. Davis and Michael Hunter, eds., Robert Boyle, *A Free Enquiry into the Vulgarly Received Notion of Nature*. Cambridge Texts in the History of Philosophy. Cambridge: Cambridge University Press, 1996.

Edward B. Davis, ed., *The Antievolution Pamphlets of Harry Rimmer*. Volume 6 of the series, Creationism in Twentieth-Century America, Ronald L. Numbers, general editor. New York: Garland Publishing, 1995.

### SELECTED JOURNAL ARTICLES, BOOK CHAPTERS, and ESSAY REVIEWS:

“Barbour, Ian,” “Boyle, Robert,” “Brooke, John Hedley,” “Clock Metaphor,” “Creationism, ID, and the Courts,” “Divine Voluntarism,” “Geocentrism/Heliocentrism,” “Handmaiden Metaphor,” “Lindberg, David C.,” “Ramm, Bernard,” “Russell, Robert John,” and “Scientific Revolution.” In *Dictionary of Christianity and Science*, ed. Paul Copan, Tremper Longman III, Christopher L. Reese, and Michael G. Strauss (Grand Rapids: Zondervan, 2017).

“Early Modern Protestantism.” In *Science and Religion: A Historical Introduction*, 2nd edition, ed. Gary

B. Ferngren (Baltimore: Johns Hopkins University Press, 2017), 110-22.

William W. Cobern, Cathleen C. Loving, Edward B. Davis & Jeff Terpstra, "An Empirical Examination of the Warfare Metaphor with Respect to Pre-Service Elementary Teachers," *Journal of Science Education and Technology* (2 September 2012) DOI:10.1007/s10956-012-9408-6.

"Science Falsely So Called: Fundamentalism and Science." In *The Blackwell Companion to Science and Christianity*, ed. J. B. Stump and Alan G. Padgett (Oxford: Blackwell Publishing, 2012), 48-60.

"Christianity, Science, and the History of Science: Some Thoughts on the Integration of Faith and Learning." In *Beyond Integration? Inter/Disciplinary Possibilities for the Future of Christian Higher Education*, ed. Todd C. Ream, Jerry Pattengale, and David L. Riggs (Abilene, TX: Abilene Christian University Press, 2012), 141-63.

"Altruism and the Administration of the Universe: Kirtley Fletcher Mather on Science and Values." *Zygon* 46.3 (Sept 2011): 517-35.

"Prophet of Science—Part One: Arthur Holly Compton on Science, Freedom, Religion, and Morality." *Perspectives on Science and Christian Faith* 61.2 (June 2009): 73-83. "Prophet of Science—Part Two." *Ibid.* 61.3 (September 2009): 175-90. "Prophet of Science—Part Three." *Ibid.* 61.4 (December 2009): 240-53.

"Robert Andrews Millikan: Religion, Science, and Modernity." In *Eminent Lives in Twentieth-Century Science & Religion*, ed. Nicolaas A. Rupke, rev. edn. (Frankfurt am Main: Peter Lang, 2009), pp. 253-74.

"That Isaac Newton's Mechanistic Cosmology Eliminated the Need for God." In *Galileo Goes to Jail and Other Myths about Science and Religion*, ed. Ronald L. Numbers (Cambridge: Harvard University Press, 2009), pp. 115-22.

(with Elizabeth Chmielewski) "Galileo and the Garden of Eden: Historical Reflections on Creationist Hermeneutics." In *Nature and Scripture in the Abrahamic Religions: 1700-Present*, ed. Jitse M. van der Meer and Scott H. Mandelbrote, 2 vols. (Leiden and Boston: Brill Academic Publishers, 2008), vol. 2, pp. 437-64.

"Samuel Christian Schmucker's Christian Vocation." *Seminary Ridge Review* 10.2 (Spring 2008): 59-75.

"Fundamentalist Cartoons, Modernist Pamphlets, and the Religious Image of Science in the Scopes Era." In *Religion and the Culture of Print in Modern America*, ed. Charles L. Cohen and Paul S. Boyer, (Madison: University of Wisconsin Press, 2008), pp. 175-98.

"Robert Boyle's Religious Life, Attitudes, and Vocation." *Science & Christian Belief* 19.2 (2007): 117-38.

"Michael Idvorsky Pupin: Cosmic Beauty, Created Order, and the Divine Word." In *Eminent Lives in Twentieth-Century Science & Religion*, ed. Nicolaas A. Rupke (Frankfurt am Main: Peter Lang, 2007), pp. 197-215. Revised version published in *Eminent Lives in Twentieth-Century Science & Religion*, ed. Nicolaas A. Rupke, rev. edn. (Frankfurt am Main: Peter Lang, 2009), pp. 295-316.

(with Michael Hunter) "The Making of Robert Boyle's *Free Enquiry into the Vulgarly Receiv'd Notion of Nature* (1686)." Updated version. In Michael Hunter, with contributions by Edward B. Davis, Harriett Knight, Charles Littleton, and Lawrence M. Principe, *The Boyle Papers: Understanding the Manuscripts*

of Robert Boyle (Ashgate, 2007), pp. 219-76.

“The Word and the Works: Concordism in American Evangelical Thought.” In *The Book of Nature in Early Modern and Modern History*, ed. Klaas van Berkel and Arjo Vanderjagt (Leuven: Peeters, 2006), pp. 195-207. [For an earlier, longer version see “The Word and the Works: Concordism and American Evangelicals.” In *Perspectives on an Evolving Creation*, ed. Keith Miller (Eerdmans, 2003), pp. 38-60.]

“Intelligent Design on Trial.” *Religion in the News* **8.3** (Winter 2006): 8-11 and 26.

“Science and Religious Fundamentalism in the 1920s: Religious Pamphlets by Leading Scientists of the Scopes Era Provide Insight into Public Debates about Science and Religion.” *American Scientist* **93.3** (May-June 2005): 254-60.

“Is There a Christian History of Science?” In *Scholarship and Christian Faith: Enlarging the Conversation*, ed. Douglas Jacobsen and Rhonda Hustedt Jacobsen (Oxford University Press, 2004), pp. 63-75.

“Christianity, History of Science and Religion.” In *Encyclopedia of Science and Religion*, ed. J. Wentzel van Huyssteen *et al.*, 2 vols. (Thomson Gale, 2003), Vol. 1, pp. 123-7.

“Creationism.” In *The Oxford Companion to the History of Modern Science*, ed. John L. Heilbron (Oxford University Press, 2003), pp. 186-7.

(with Robin Collins) “Scientific Naturalism.” In *Science and Religion: A Historical Introduction*, ed. Gary B. Ferngren (Johns Hopkins University Press, 2002), pp. 322-34.

“Robert Boyle as the Source of an Isaac Watts Text Set for a William Billings Anthem.” *The Hymn: A Journal of Congregational Song* **53.1** (January 2002): 46-7.

“Appreciating a Scientist-Theologian: Some Remarks on the Work of John Polkinghorne.” *Zygon* **35.4** (December 2000): 971-6.

“Boyle, Robert.” In *The Scientific Revolution: An Encyclopedia*, ed. Wilbur Applebaum (Garland, 2000), pp. 99-102.

“Christianity and Early Modern Science: The Foster Thesis Reconsidered.” In *Evangelicals and Science in Historical Perspective*, ed. David N. Livingstone, D.G. Hart, and Mark A. Noll (Oxford University Press, 1999), pp. 75-95.

“Rimmer, Harry.” In *American National Biography* (Oxford University Press, 1999), vol. 18, pp. 520-1.

“Debating Darwin: The Intelligent Design Movement.” Essay review of Michael Behe, *Darwin's Black Box: The Biochemical Challenge to Evolution*, Phillip E. Johnson, *Defeating Darwinism, by Opening Minds*, and J.P. Moreland, ed., *The Creation Hypothesis: Scientific Evidence for and Intelligent Designer*. Cover story in *The Christian Century* **115** (20) (15-22 July 1998): 678-81.

(with Michael Hunter) “The Making of Robert Boyle’s *Free Enquiry into the Vulgarly Receiv'd Notion of Nature* (1686).” *Early Science and Medicine* **1** (1996): 204-71.

“Newton’s Rejection of the ‘Newtonian World View’: The Role of Divine Will in Newton’s Natural Philosophy.” In *Facets of Faith and Science. Volume 3: The Role of Beliefs in the Natural Sciences*, ed.

Jitse M. van der Meer (Lanham, MD: University Press of America, 1996), 75-96.

“Rationalism, Voluntarism, and Seventeenth-Century Science.” In *Facets of Faith and Science. Volume 3: The Role of Beliefs in the Natural Sciences*, ed. Jitse M. van der Meer (Lanham, MD: University Press of America, 1996), 135-56.

“Fundamentalism and Folk Science Between the Wars.” *Religion and American Culture* **5** (1995): 217-48.

“*Parcere nominibus*: Boyle, Hooke, and the Rhetorical Interpretation of Descartes.” In *Robert Boyle Reconsidered*, ed. Michael Hunter (Cambridge, 1994), 157-75.

“The Anonymous Works of Robert Boyle and the *Reasons Why a Protestant Should not Turn Papist* (1687).” *Journal of the History of Ideas* **55** (1994): 611-29.

“God, Man, and Nature: The Problem of Creation in Cartesian Thought.” *Scottish Journal of Theology* **44** (1991): 325-48, with errata in next issue.

“A Whale of a Tale: Fundamentalist Fish Stories.” *Perspectives on Science and Christian Faith* **43** (1991): 224-37 <<http://www.asa3.org/ASA/PSCF/1991/PSCF12-91Davis.html>>.

#### **PROFESSIONAL ACTIVITIES: films**

Featured (with Lawrence Principe of Johns Hopkins) in “[Science and Religion: The Draper-White Conflict Thesis](#),” a short film released by [Science for Seminaries](#), a project of the AAAS Dialogue on Science, Ethics, and Religion, Dec 2016.

#### **MAJOR HONORS, EXTERNAL GRANTS, AND FELLOWSHIPS:**

Graduate Fellow, Indiana University, 1979-80.

Dissertation Year Fellow, Charlotte W. Newcombe Foundation, 1983-84.

Esther L. Kinsley Ph.D. Dissertation Prize, Indiana University, 1985.

Research Grant, National Science Foundation, 1989 (DIR-8821955, “Chemistry in the Scientific Revolution”, \$9,000).

Mellon Fellow in the Humanities, University of Pennsylvania, 1991-92.

Grant from Lilly Fellows Program in Humanities and the Arts to direct a Summer Institute for Fellowship Applicants and Advanced Graduate Students, 1998.

Research Grant (Scholars Award), Science and Technology Studies Program, National Science Foundation, 1999-2000 (“Science and Religion in the 1920s: Religious Pamphlets by Major American Scientists,” \$53,743).

Research Grant, The John Templeton Foundation, 2001-2 (“Science and Religion, Chicago Style: Religious Pamphlets by Major American Scientists,” \$15,725).

Research Grant, The John Templeton Foundation, 2007-8 (“The Relevance of History to the Modern Dialogue of Science and Religion,” \$94,078).

Fulbright Senior Specialist, University of Otago (Dunedin, New Zealand), June & July 2011.

Elected Fellow, The International Society for Science & Religion, June 2013.

#### **PROFESSIONAL SERVICE**

Advisory board, National Museum of American History, Washington, DC, 2017-2019.

Advisory board for the project, "Science & Religion: Exploring the Spectrum," directed by Fern Elsdon-Baker (Newman University, Birmingham UK) and Bernie Lightman (York University), 2015-17.

Consulting editor, *Perspectives on Science and Christian Faith*, 1990-present; associate editor, *Science & Christian Belief*, 2001-present.

Watson Davis Prize Committee, History of Science Society, 1993-95; chair, 1995.

Committee on Education, History of Science Society, 1996-99.