

MICHAEL RUSE

*Education:*

B.A., (Philosophy and Mathematics), University of Bristol, 1962

M.A., (Philosophy), McMaster University, 1964.

Ph.D., (Philosophy), University of Bristol, 1970.

*Employment:*

From Lecturer to Professor (History, Philosophy, and Zoology) University of Guelph, 1965-2000

Lucyle T. Werkmeister Professor of Philosophy, Florida State University, 2000-

Director Program in History and Philosophy of Science, Florida State University, 2004-

*Honours:*

Fellow of the Royal Society of Canada, 1986.

Fellow of the American Association for the Advancement of Science, 1986.

John Simon Guggenheim Fellowship, 1983-4.

Isaak Walton Killam Fellowship, 1985-7.

Visiting Fellow, Wolfson College, Cambridge, 1986

Donald Gordon Fellow, Stellenbosch Institute for Advanced Study, 2014

Honorary Doctoral Degree (D. Philos.), University of Bergen, 1990.

Honorary Doctoral Degree (D. Litt.), McMaster University, 2003

Honorary Doctoral Degree (D. Litt.), University of New Brunswick, 2007

Honorary Doctoral Degree (D. Sc.) University College London, 2014

Erskine Fellow, University of Canterbury, Christchurch, New Zealand, 1994.

Herbert Spencer Lecturer, Oxford University, 1994

Gifford Lecturer, Glasgow University, 2001

Herbert Reynolds Lecturer, Baylor University, 2002

John Templeton Book Award, 1999

American Risk and Insurance Association, RMIR Feature Award (2006), for "Regulating genetic information in insurance markets," in *Risk Management and Insurance Review*, 2005 (co-authored with Michael Hoy)

PROSE award for *Cambridge Encyclopedia of Darwin and Evolutionary Thought*, 2013, Single Volume Reference/Humanities & Social Sciences

Bertrand Russell Society Award, 2014, for outstanding philosopher of the year in the spirit of Bertrand Russell

Paul Thompson and Denis Walsh, editors, *Evolutionary Biology* (Cambridge: Cambridge University Press, 2014), Festschrift for Michael Ruse

#### *Books:*

*The Philosophy of Biology*, London: Hutchinson, 1973. Also translated into Spanish, Russian and Italian.

*Sociobiology: Sense or Nonsense?* Dordrecht: Reidel, 1979. Second edition, with new Afterword, 1985. Also translated into Spanish, Portuguese and Italian.

*The Darwinian Revolution: Science Red in Tooth and Claw*. Chicago: University of Chicago Press, 1979, Second edition, with new Afterword, 1999. Also translated into Spanish and Italian.

*Is Science Sexist? And Other Problems in the Biomedical Sciences*. Dordrecht: Reidel, 1981. (Collected Essays)

*Darwinism Defended: A Guide to the Evolution Controversies* Reading, Mass.: Addison-Wesley, 1982.

*Nature Animated*. (Edited volume of conference papers.) Dordrecht: Reidel,

1980.

*Taking Darwin Seriously: A Naturalistic Approach to Philosophy* Oxford: Blackwell, 1986. Also translated into Spanish, Italian, Portuguese. Second edition with new preface 1998, Prometheus Books, Buffalo, NY

*Homosexuality: A Philosophical Inquiry*. Oxford: Blackwell, 1988. Also translated into Spanish

*The Philosophy of Biology*. (Edited volume). New York: Macmillan, 1989. New edition with additional material 1998, Prometheus Books, Buffalo, NY; Second edition 2007

*But is it Science? The Philosophical Question in the Evolution/Creation Controversy*. (Edited Volume) Buffalo: Prometheus, 1988; second edition with Robert Pennock, 2008.

*Philosophy of Biology Today*. Albany: SUNY Press, 1988.

*What the Philosophy of Biology Is*. Dordrecht: Kluwer, 1989. (Edited Volume).

*The Darwinian Paradigm*: London: Routledge, 1989, (Collected Essays)

*Evolutionary Naturalism* London: Routledge, 1994, (Collected Essays)

*Monad to Man: The Concept of Progress in Evolutionary Biology*, Cambridge, Massachusetts: Harvard University Press, 1996. Paperback edition 2009

*Biology and Ethics*. Cambridge: Cambridge University Press, 1998 (Edited volume, with Jane Maienschein)

*Readings in the Philosophy of Biology*, Oxford: Oxford University Press, 1998, edited with David Hull

*Mystery of Mysteries: Is Evolution a Social Construction?* Cambridge, Massachusetts: Harvard University Press, 1999  
Also translated into Spanish and Portuguese

*Can a Darwinian be a Christian? The Relationship between Science and Religion* Cambridge: University of Cambridge Press 2001. Also translated into Spanish, Chinese and Korean

*The Evolution Wars: A Guide to the Controversies*, Santa Barbara: ABC CLIO, 2000. Paperback, Rutgers University Press, 2001; second edition of hardback 2008

*Cloning* (edited with Aryne Sheppard), Buffalo: Prometheus, 2001

*Of the Plurality of Worlds: An Essay, by William Whewell* (edited with preface), Chicago: University of Chicago Press, 2001

*Genetically Modified Foods* (edited with David Castle), Buffalo: Prometheus, 2002

*Stem Cell Research* (edited with Christopher Pynes) Buffalo: Prometheus, 2003, second edition 2006

*Debating Design: Darwin to DNA* (edited with William Dembski), Cambridge: Cambridge University Press, 2004

*Darwin and Design: Does Evolution have a Purpose?* Cambridge, Mass.: Harvard University Press, 2003. Also translated into Japanese

*Darwinian Heresies* (edited with Abigail Lustig and Robert J. Richards), Cambridge: Cambridge University Press, 2004

*A Darwinian Evolutionist's Philosophy*, Seoul, Korea, 2004 (Korean and English)

*The Evolution/Creation Struggle*, Cambridge, Mass.: Harvard University Press, 2005, also in Dutch and Korean

*Darwinism and its Discontents*, Cambridge: Cambridge University Press, 2006. Also translated into Italian

*Cambridge Companion to the Philosophy of Biology*, edited with David Hull, Cambridge: Cambridge University Press, 2007

*Oxford Handbook of the Philosophy of Biology*, edited volume, Oxford: Oxford University Press, 2008

*Charles Darwin*, Oxford: Blackwell, 2008, also in Dutch and Spanish

*Cambridge Companion to the Origin of Species*, edited with Robert J. Richards, Cambridge: Cambridge University Press, 2008

*The Darwinian Legacy*, edited with Joseph Cain, APS, 2008

*Evolution and Religion: A Dialogue*, Rowman and Littlefield, 2008

*Evolution and Ethics by Thomas Henry Huxley*, edited with an introduction.

Princeton: Princeton University Press. 2008

*The Paleontological Revolution*, edited with David Sepkoski, Chicago: University of Chicago Press, 2009

*Defining Darwin: Understanding the Legacy*, Buffalo: Prometheus, 2009. Collected essays

*Evolution: The First Four Billion Years* (edited with Joseph Travis), Cambridge, Mass.: Harvard University Press, 2009

*Philosophy after Darwin: Classic and Contemporary Readings* (edited volume), Princeton: Princeton University Press, 2009

*Science and Spirituality: Making Room for Faith in the Age of Science*, Cambridge: Cambridge University Press, 2010, also in Dutch

*The Philosophy of Human Evolution*, Cambridge: Cambridge University Press, 2012

*The Gaia Hypothesis: Science on a Pagan Planet*, Chicago: University of Chicago Press, 2013

*The Cambridge Encyclopedia of Darwin and Evolutionary Thought*, (edited volume), Cambridge: Cambridge University Press, 2013

*The Oxford Handbook to Atheism*, edited volume with Stephen Bullivant, Oxford: Oxford University Press, 2013

*The Self-Organizing Universe*, edited volume with Charley Lineweaver and Paul Davies, Cambridge: Cambridge University Press, 2013

*Le Darwinism*. Louvain-Paris: Editions Peeters, 2013.

*Debating Darwin*, with Robert J. Richards. Chicago: University of Chicago Press. Forthcoming 2016.

*Atheism: What Everyone Needs To Know*, Oxford: Oxford University Press. 2015.

*Science and Religion in Conflict?* With Michael Peterson. Oxford: Oxford University Press. Forthcoming 2016.

*The Cambridge Handbook of Evolutionary Ethics*, with Robert J. Richards. Cambridge: Cambridge University Press. (Under contract)

*Science and Religion*, with Edward J. Larson. New Haven, Conn.: Yale University Press. (Under contract)

*Darwinism as Religion: What Literature Tells Us About Evolution*. Oxford University Press. (Under contract)

*Darwinian Hedonism: A Foundation for Behavioral Science and Public Health*. With David M. Williams. Cambridge: Cambridge University Press. (Under contract)

*Purpose*. Princeton, N. J.: Princeton University Press (under contract)

#### *Selected Shorter Professional Publications (2001-2015):*

##### *Articles:*

Robert Boyle and the machine metaphor. *Zygon* 37 (2002): 581-96.

Is evolution a secular religion? *Science* 299 (2003): 1523-4.

The romantic conception of Robert J. Richards. *Journal of the History of Biology* 37 (2004): 3-23.

The Darwinian Revolution as seen in 1979 and as seen twenty-five years later in 2004. *Journal of the History of Biology* 38 (2005): 3-17.

Darwin and mechanism: Metaphor in science. *Studies in History and Philosophy of Biology and Biomedical Sciences* 36 (2005): 285-302.

Regulating genetic information in insurance markets," in *Risk Management and Insurance Review*, 2005 (co-authored with Michael Hoy)

Forty years as a philosopher of biology: why evo-devo makes me still excited about my subject. *Biological Theory* 1 (2006): 35-37.

Charles Darwin's *On the Origin of Species*. *Topoi* 26 (2007): 159-65.

Darwinian struggles: But is there progress? *History of Science* 47 (2009): 407-30.

Darwinism then and now: the divide over form and function. *Science and Education*. (2009).

The Darwinian Revolution: Rethinking its meaning and significance. *Proceedings of the National Academy of Science* 106 (2009), supplement 1: 10040-10047.

Charles Darwin on *Cross and Self-Fertilization of Plants*. *Comptes-Rendus Biologies*, (2010).

Is Darwinism past its "Sell-by" date? *Studies in History and Philosophy of Biology and Biomedical Sciences* 42 (2010).

Is Darwinism Past its 'Sell-By' Date? The Origin of Species at 150. *European Review*. 18, 311-327.

Making room for faith in an age of science: The science-religion relationship revisited. *Proceedings of the American Catholic Philosophical Association*. 85 (2011), 43-58.

Making room for faith in an age of science: A response to David Wisdo. *Zygon*, 46 (3) (2011), 65-672.

Science and values: My debt to Ernan McMullin. *Zygon* 47 (4) (2012), 666-685.

"A Man's Gotta Do What a Man's Gotta Do" And Other Memorable Lines from "Philosophy and Film." *Soundings*, 95, 2012, 206-226.

Symposium on the *Origin of Species*: Teaching the classics: the *Origin of Species* as a case study. *Science and Education*, 22 (2013), 2255-2265; David N. Reznick's *The "Origin" Then and Now: An Interpretive Guide to the "Origin of Species"*: A précis. *Science and Education*, 22 (2013), 2295-2316; Science and the humanities: Stephen Jay Gould's quest to join the high table. *Science and Education*. 22 (2013), 2317-2326.

The current status of the philosophy of biology. *Science and Education*. 2013, 22, 5-48. With Peter Takacs.

Charles Robert Darwin and Alfred Russel Wallace: their dispute over the units of selection. *Theory in Biosciences*. 132 (2013), 215-224.

Making Room for Faith: Does Science Exclude Religion? *Midwest Studies in Philosophy*. 37 (2013), 11-24.

Gould, Stephen Jay. In: eLS 2014, John Wiley & Sons Ltd: Chichester <http://www.els.net/> [DOI: 10.1002/9780470015902.a0025067]

Was there a Darwinian Revolution? Yes, no, and maybe! *Endeavour*. 38 (2014), 159-168.

*Selected contributions to books:*

Adaptive landscapes and dynamic equilibrium: The Spencerian contribution to twentieth-century American evolutionary biology. *Darwinian Heresies*. Editors A. Lustig, R. J. Richards, and M. Ruse, 131-50. Cambridge: Cambridge University Press, 2004.

Evo-devo: A new evolutionary paradigm? *Philosophy, Biology, and Life (Royal Institute of Philosophy Supplements)*. Editor A. O'Heare, Cambridge: Cambridge University Press, 2005.

Kant and evolution. *Theories of Generation*. Editor J. Smith, 402-15. Cambridge: University of Cambridge Press, 2006.

Richard Dawkins and the problem of progress. *Richard Dawkins: How a Scientist Changed the Way We Think*. Editors A. Grafen and M. Ridley,

Alfred Russel Wallace, the discovery of natural selection and the origins of humankind. *Rebels, Mavericks, and Heretics in Biology*. Editors O. Harman, and M. R. Dietrich, 20-36. New Haven, Conn.: Yale University Press, 2008.

Belief in God in a Darwinian age. *The Cambridge Companion to Darwin*. Editors M. J. S. Hodge, and G. Raddick, 368-89. Cambridge: Cambridge University Press, 2009.

Myth 23: That "intelligent design" represents a scientific challenge to evolution. *Galileo Goes to Jail, and Other Myths about Science and Religion*. Editor R. N. Numbers, Cambridge, Mass.: Harvard University Press, 2009.

Charles Darwin. *Nineteenth Century Philosophy of Religion*. Editors, G. Oppy and N. N. Trakakis. 161-174. Bristol: Durham, 2009.

Evolution and progress. *Biology and Ideology from Descartes to Dawkins*. Editors D. Alexander, and R. N. Numbers, Chicago: University of Chicago Press, 2010

Form and function: On biology and buildings. *CENTER Volume 15: Divinity, Creativity, Complexity*. Editor M. Benedikt, Austin, TX: Center for American Architecture and Design, 2010, 94-111.

Atheism, naturalism and science: Three in one? *Cambridge Companion to Science and Religion*. Editor Peter Harrison, Cambridge: Cambridge University Press, 2011, 229-243.

Origins. *The Routledge Companion to Religion and Science*. Edited by James

W. Haag, Gregory R. Peterson, and Michael L. Spezio. London and New York: Routledge, 2012, 381-390.

Can Darwinism offer existential reassurance at times of personal or social crisis? Editor, Albert Polani, *Pragmatic Evolution: Applications of Evolutionary Theory*. Cambridge: Cambridge University Press, 2012. 313-325.

Darwinism and atheism: A marriage made in heaven? *The Blackwell Companion to Science and Christianity*. Editors J. B. Stump, and A. G. Padgett, Chichester, West Sussex: Wiley-Blackwell, 2012, 247-257.

Natural theology: the biological sciences. *The Oxford Handbook of Natural Theology*. Edited Russell Re Manning, Oxford: Oxford University Press, 2013.

The primate who knew too much. *Planet of the Apes and Philosophy: Great Apes Think Alike*. Editor J. Huss, Chicago: Open Court, 2013, 153-163.

The paradox of Samuel Butler: Insider or outsider? *Outsider Scientists: Routes to Innovation in Biology*. Editors O. Harman, and M. Dietrich, 75-89. Chicago: University of Chicago Press, 2013.

From organicism to mechanism and halfway back. *Beyond Mechanism: Putting Life Back into Biology*. Editors B. G. Henning and A. Scare, 409-430. Lexington Books. 2013.

Evolution: From pseudoscience to popular science, from popular science to professional science. Editors, Massimo Pigliucci and Maarten Boudry, *Philosophy of Pseudoscience: Reconsidering the Demarcation Problem*. 225-245. Chicago: University of Chicago Press, 2013.

Biologically evolutionary explanations of religious belief. *Evolution, Religion, and Cognitive Science: Critical and Constructive Essays*. Edited by Fraser Watts and Leon Turner, 38-55. Oxford: Oxford University Press, 2014.

Evolution and ethics in Victorian Britain. *The Oxford Handbook of British Philosophy in the Nineteenth Century*. Edited by W. J. Mander, 233-256. Oxford: Oxford University Press, 2014.

Sexual Selection: Why does it Play such a Large Role in the *Descent of Man?*  
*Current Perspectives on Sexual Selection: What's left after Darwin?* Edited  
by T. Hoquet. New York: Springer, 2015, 3-17.

*Other activities:*

I was the founding editor of the journal *Biology and Philosophy* and edited it for fifteen years (1985-2000). I was the editor of the *Cambridge Series in the Philosophy of Biology* (1993-2009) and now have taken over as editor of a redesigned series (aimed more at the student market) with Cambridge University Press.

I am a blogger for the *Chronicle of Higher Education* and for the *Huffington Post*. I review about twenty books a year, some in professional journals, including the *Quarterly Review of Biology*, *The Lancet*, *The Philosophical Quarterly*, and others in more commercial outlets, including *The New York Times*, *The Washington Post*, and the *Toronto Globe and Mail*. I have written many encyclopaedia entries, including *Creationism* for the on-line *Stanford Encyclopaedia of Philosophy*. Regularly, I write short pieces for the popular press and magazines, including *Playboy* and the *Chronicle of Higher Education*.

I am on the editorial board of several journals including *Philosophy of Science* and the *Quarterly Review of Biology*, as well as the on-line *Encyclopedia of Life Sciences*. I have had a number of external grants including being a co-PI on an NSF grant on biological education for \$450,000 and co-PI on a Templeton grant on biological school education for £650,000.