

Martin Curd
Curriculum Vitae (12/07/08)

Present Position:

Associate Professor, Department of Philosophy, Purdue University

Office Address:

Purdue University
Department of Philosophy
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Education:

B.A., University of Cambridge, 1972
M.A., University of Pittsburgh, 1974
Ph.D., University of Pittsburgh, 1978

Dissertation:

“Ludwig Boltzmann’s Philosophy of Science: Theories, Pictures, and Analogies,”
University of Pittsburgh, 1978

Grants and Awards:

Exhibition, Downing College, Cambridge, 1970-72
Andrew Mellon Pre-Doctoral Fellowship, University of Pittsburgh, 1974-75
Andrew Mellon Teaching Fellowship, Vanderbilt University, 1977-78
Summer Faculty XL Grant, Purdue University, 1981
PRF International Travel Grant to attend International Conference on Ludwig Boltzmann,
University of Vienna, September 5-8, 1981
Exxon Grant (with Larry May) from IIT, Summer 1982
NEH Summer Institute on Theory of Knowledge, Boulder, 1986
PRF International Travel Grant to attend 19th International Hume Conference,
University of Nantes, June 29-July 3, 1992
SLA Faculty Incentive Teaching Grant, 1994
Matchette Foundation Grant for lectures by J. R. Brown in philosophy of mathematics,
1995

Employment Record:

Assistant Instructor, Department of History and Philosophy of Science, University of
Pittsburgh, 1975-77
Mellon Instructor in Philosophy and Humanities, Department of Philosophy, Vanderbilt
University, 1977-78
Assistant Professor, Department of Philosophy, Purdue University, 1978-84

Books:

Principles of Reasoning, Martin Curd and Lilly-Marlene Russow. (New York: St.
Martin’s Press, 1989) pp. xii + 372. *Instructor’s Manual*, pp. 82.

Argument and Analysis: An Introduction to Philosophy (St. Paul, MN: West, 1992) pp.
xxvi + 572. An anthology of readings (309 pages) accompanied by discussions and
analysis by the author (193 pages). The remaining 70 pages consist of other material by
the author—a general introduction to logic and reasoning, introductions to the separate
parts, a glossary, and an annotated bibliography.

Philosophy of Science: The Central Issues, Martin Curd and Jan Cover. (New York: W.
W. Norton, 1998) pp. xx + 1379. A comprehensive anthology of twentieth-century
philosophy of science with extended commentaries. Co-authored commentaries and

introductions occupy 419 pages. There is also a 20-page glossary and a 19-page bibliography. Second edition in preparation.

The Routledge Companion to Philosophy of Science, Stathis Psillos and Martin Curd, eds. (London: Routledge, 2008) pp. xxvii + 619. Fifty-five specially commissioned articles covering central issues, debates, and concepts in philosophy of science, with a nine-page introduction by the editors.

Monograph:

Professional Responsibility For Harm, Martin Curd and Larry May. (Kendall/Hunt Publishing Company, Dubuque, Iowa, 1984) pp. 48. A volume in the *CSEP Module Series in Applied Ethics*. Excerpt reprinted in P. Y. Windt et al., eds., *Ethical Issues in the Professions* (Englewood Cliffs, NJ: Prentice-Hall, 1989) 278-281. Excerpt reprinted in J. H. Fielder and D. Birsch, eds., *The DC-10 Case* (Albany, NY: SUNY, 1992) 237-43.

Articles:

"The Logic of Discovery: An Analysis of Three Approaches," in T. Nickles, ed., *Scientific Discovery, Logic, and Rationality* (D. Reidel, Dordrecht, Holland, 1980), 201-19. Reprinted in B. Brody and R. Grandy, eds., *Readings in the Philosophy of Science*, 2nd ed. (Englewood Cliffs, NJ: Prentice-Hall, 1989) 417-30.

"Science, Technology, and Human Values," *Science, Technology & Society* 22 (February, 1981) 2-7. Reprinted in S. J. Cutcliffe, ed., *The Machine in the University* (The Society for the History of Technology, 1983), 145-52.

"The Rationality of the Copernican Revolution," *PSA 1982*, Volume 1, 3-13.

"Popper on Boltzmann's Theory of the Direction of Time," in R. Sexl and J. Blackmore, eds., *Ludwig Boltzmann Gesamtausgabe, Ausgewählte Abhandlungen*, Band 8, (Graz, Austria: Akademische Druck - u. Verlagsanstalt, 1982), 263-303.

"The Superiority of the Copernican System: A Reply to Chalmers," *British Journal for the Philosophy of Science* 34 (1983) 367-69.

"Science, Pseudoscience, and the Demarcationist Program," *Indiana Journal of Political Science* 2 (1983), 1-8.

"Some Inconclusive Reasons Against 'Conclusive Reasons'" *Philosophy Research Archives* 9 (1983) 293-302.

"Showing and Telling: Can the Difference Between Right and Left be Described in Words?" *Ratio* 26 (1984) 63-69. Reprinted in J. Van Cleve and R. E. Frederick, eds., *The Philosophy of Right and Left* (Dordrecht: Kluwer, 1990).

"Kuhn, Scientific Revolutions, and the Copernican Revolution," *Nature and System* 6 (1984) 1-14.

Commentary on "...Let No One Split Asunder: Controversy in Human Genetic Engineering," *Politics and the Life Sciences* 6 (1987) 13-15.

"Boltzmann," "Energeticism," "Maxwell," "Schrödinger" R. Audi, ed., *The Cambridge Dictionary of Philosophy* (Cambridge University Press, 1996).

"Miracles as Violations of Laws of Nature," in D. Howard-Snyder and J. Jordan, eds., *God, Freedom, and Responsibility* (Rowman and Littlefield, 1996), 171-83.

"Ross's Intuitionist Theory of Duty," in J. Fieser ed., *Metaethics, Normative Ethics, and Applied Ethics: Contemporary and Historical Readings*, (Wadsworth, 2000), 286-96.

Commentary on R. Royall, "The Likelihood Paradigm of Statistical Evidence," in M. L. Taper and S. R. Lele, eds., *The Nature of Scientific Evidence* (University of Chicago Press, 2004), 140-45.

Reviews:

- B. McGuinness, ed., *Ludwig Boltzmann: Theoretical Physics and Philosophical Problems*. *Philosophy of Science* 45 (1978) 146-47.
- F. Gregory, *Scientific Materialism in Nineteenth Century Germany*. *Philosophy of Science* 46 (1979) 338-40.
- M. Wartofsky, *Models: Representation and the Scientific Understanding*. *Isis* 72 (March 1981) 106-7.
- D. Bohm, *Wholeness and the Implicate Order*. *Physics Today* 34 (August 1981) 58-62.
- E. Broda, *Ludwig Boltzmann: Man, Physicist, Philosopher*. *Isis* 75 (June 1984) 423.
- M. Heyd, *Between Orthodoxy and the Enlightenment*. *Review of Metaphysics* (December 1985) 360-61.
- J. Leplin, ed., *Scientific Realism*. *Isis* 77 (March 1986) 120-21.
- E. Zerubavel, *The Seven Day Circle*. *American Scientist* (May 1986).
- B. Berofsky, *Freedom From Necessity: The Metaphysical Basis of Responsibility*. *Review of Metaphysics* 42 (March 1989) 608-10.
- R. B. Louden, *Morality and Moral Theory*. *Review of Metaphysics* 46 (June 1993) 856-57.
- J. Houston, *Reported Miracles*. *Mind* 106 (April 1997) 1-4.
- P. Machamer, ed., *The Cambridge Companion to Galileo*. *Journal of the History of Philosophy* 37 (April 1999) 364-66.
- Roberto Torretti, *The Philosophy of Physics*. *Journal of the History of Philosophy* 38 (October 2000) 602-3.

Presentations:

- "The Essential Content of Classical Thermodynamics: Carathéodory's 'Investigations'" *Joint Atlantic Seminar in the Physical Sciences*, Yale University, March 21, 1975.
- "Boltzmann and the Dialectic of Atomism," *History of Science Society*, Atlanta, December 27, 1975.
- "Boltzmann and Maxwell," *History of Science Society*, Philadelphia, December 28, 1976.
- "Abortion and the Argument from Rape," *Alpha Epsilon Delta*, University of Pittsburgh, 1977.
- "Heroic Measures and the Allocation of Scarce Medical Resources," *Public Forum on Humanities in Health Care*, University of Pittsburgh Medical School, 1977.
- "The Logic of Discovery: An Analysis of Three Approaches," Department of Philosophy, *Purdue University*; Leonard Conference on Scientific Discovery, *University of Reno*, October 29, 1978.

“Me and My Enantiomorph: A Re-Examination of Kant’s Arguments From Incongruous Counterparts,” Department of Philosophy, *University of South Carolina; Purdue University; Vanderbilt University*, 1978.

“Popper on Boltzmann’s Theory of the Direction of Time,” Department of Physics, *Vanderbilt University*, 1978

“Me and My Enantiomorph: Kant’s Arguments From Incongruous Counterparts,” *Indiana Philosophical Association*, Bloomington, April 7, 1979.

“Understanding Scientific Change,” *History and Philosophy of Science Group*, Purdue University, 1979.

“Foot on Abortion,” *Philosophy Department Colloquium*, Purdue University, 1979.

“Foot on Abortion,” *Indiana Philosophical Association*, Crawfordsville, April 19, 1980.

“The Rationality of the Copernican Revolution,” *History of Science Society*, Toronto, October 17, 1980.

“Famine, Affluence and Morality: Killing and Starving to Death,” *Science and Theology Group*, Purdue University, April 3, 1980.

“Popper on Boltzmann’s Theory of the Direction of Time,” *International Conference on Ludwig Boltzmann*, University of Vienna, September 5, 1981.

“The Rationality of the Copernican Revolution,” *Philosophy Department Colloquium*, Purdue University, February 2, 1981.

“The Euthanasia of Defective Neonates,” *Social and Ethical Concerns Series*, University Church, Purdue University, March 25, 1981.

“Galileo Retried,” *Science and Theology Group*, Purdue University, April 3, 1981.

“What is Science?,” *Science on Trial*, a panel discussion of evolutionary theory, Purdue University, April 8, 1981. (See *Sequel*, Issue 7, Winter 1981-1982).

“Some Inconclusive Reasons Against ‘Conclusive Reasons’” *Indiana Philosophical Association*, April 3, 1982.

“Science and Pseudoscience,” *Indiana Political Science Association*, April 23, 1982.

“The Rationality of the Copernican Revolution,” *Philosophy of Science Association*, Philadelphia, October 30, 1982.

“Some Inconclusive Reasons Against ‘Conclusive Reasons’” *American Philosophical Association*, Eastern Division Meeting, Baltimore, December 27, 1982.

“The Nature of Science and Its Relevance to the Evolution Versus Creation Debate,” *School of Science Freshman Honors Seminar*, Purdue University, September 14, 1982.

“The Copernican Revolution,” *Swarthmore College*, November 1; *Hillsdale College*, November 7, 1982.

“Kuhn, Scientific Revolutions and the Copernican Revolution,” *59th Annual Meeting, Southwestern and Rocky Mountain Division, AAAS*, Logan, Utah, June 21, 1983.

- “Creationism on Trial: The Little Rock Fiasco,” *Charles Darwin Society*, Purdue University, February 1983.
- “The Rationality of the Copernican Revolution,” Department of Philosophy, *University of Lexington*, Kentucky, April 11, 1983.
- “A Defense of Abortion,” *Women’s Studies Colloquium Series*, Purdue University, April 26, 1983.
- “Kuhn, Scientific Revolutions and the Copernican Revolution,” *Philosophy Department Colloquium*, Purdue University, September 1, 1983.
- “The Raven Paradoxes,” *Vanderbilt University*, November 11, 1983.
- “The Paradoxes of Confirmation,” *Hillsdale College*, March 8, 1984.
- “The Right to Refuse Treatment,” *Science and Theology Group*, Purdue University, March 29, 1984.
- “The Heisenberg Uncertainty Principle,” *Purdue Physics Club*, October 24, 1984.
- “Biology and the Physical Sciences: Reduction and Reductionism,” *Purdue Ecoulunch Seminar* November 28, 1984.
- “Mach’s Principle and the General Theory of Relativity,” *Purdue Math Club*, October 28, 1986.
- “The Ethics of Organ Transplantation,” Pastoral Services Interdisciplinary Workshop, *Home Hospital*, February 5, 1987.
- “Miracles and Laws of Nature,” *Indiana Philosophical Association*, November 5, 1988.
- “Hume, Mill, and Miracles,” *Philosophy Department Colloquium*, Purdue University, December 7, 1989.
- “Miracles and Laws of Nature,” *Joint Meeting of Illinois and Central States Philosophical Associations*, Edwardsville IL, November 10, 1990.
- “Killing, Starving to Death, and Euthanasia,” *Unitarian Universalist Fellowship*, July 14, 1991.
- “AIDS Testing, Privacy, and Confidentiality,” AIDS and Disclosure Panel, NAACOG, *Purdue University*, October 9, 1991.
- “Mill on Hume’s ‘Of Miracles’,” *University of Minnesota*, Duluth, November 11, 1991.
- “Mill on Hume’s ‘Of Miracles’,” *19th Hume Conference*, University of Nantes, June 29-July 3, 1992.
- “Ethical Reasoning and Critical Thinking,” Summer 1996 Bioethics Workshop, *Purdue University*, May 13, 1996.
- “Science and Ethics,” Summer 1997 Bioethics Workshop, *Purdue University*, May 20, 1997.
- “Biology and Ethics,” Summer 1998 Bioethics Workshop, *Purdue University*, May 20, 1998.

“Ethical Problems in Physics,” “Careers in Physics Seminar, *Purdue University*, Feb 15, 2000.

“Kuhn’s Copernican Revolution,” *Montana State University*, Bozeman, April 14, 2000.

“The Role of Simplicity and Explanatory Power in Choosing Between Rival Theories,” *Indiana State University*, Terre Haute, November 21, 2000.

“The Principle of Locality from Newton to Bell,” invited lecture to Society of Physics Students, Midwest Zone Meeting, *Purdue University*, April 2, 2005.

“Choosing Between Rival Theories: Lessons from the Copernican Revolution,” Pugwash Society, *Purdue University*, October 19, 2005.

“Ancient Greek Science,” EPICS (Engineering Projects for Community Service) *Purdue University*, May 10, 2007.

Professional Associations:

Philosophy of Science Association
Indiana Philosophical Association
Hume Society

Professional Activities:

Commentator on Martin Bell, “Gilles Deleuze’s Reading of Hume: Towards a ‘Transcendental Empiricism’,” 29th *International Hume Conference*, Helsinki, Finland, August 10, 2002.

Chair, Session on Space, Time, Motion: Hume, Pierre Bayle, and Zeno of Elea, 29th *International Hume Conference*, Helsinki, Finland, August 7, 2002.

Commentator on R. Eric Barnes, “Reefer Madness: Legal and Moral Issues Surrounding the Medical Prescription of Marijuana.” *Pacific Division APA*, Berkeley, April 1, 1999.

Commentator on Stephen Sullivan, “Theory Justification in Ethics and Science.” *Indiana Philosophical Association*, DePauw University, Crawfordsville, November 7, 1998.

Faculty Associate, *Summer 1998 Bioethics Workshop*, Purdue University, May 17-22, 1998.

Faculty Associate, *Summer 1997 Bioethics Workshop*, Purdue University, May 18-23, 1997.

Chair, Colloquium Paper, “Ought from Is Once More: Moral Conclusions from Non-Moral Premises.” *Central Division APA*, Pittsburgh, April 25, 1997.

Chair, Symposium Paper, “Towards a Very Old Account of Rationality in Experiment.” *Pacific Division APA*, Berkeley, March 28, 1997.

Faculty Associate, *Summer 1996 Bioethics Workshop*, Purdue University, May 12-16, 1996.

Chair, Colloquium on Rationality. *Pacific Division APA*, Seattle, April 5, 1996.

Commentator on Francis Dauer, “Humean Naturalism and the Problem of Induction.” *22nd International Hume Conference*, Park City, Utah, July 28, 1995.

Chair, Colloquium on Coherentism and Skepticism. *Pacific Division APA*, San Francisco, March 31, 1995.

Presider, "Scientific and Technical Practices," *Society for Social Studies of Science*, Purdue University, November 19, 1993. Presider, "Tales From the Front: Telling Stories About Scientific Misconduct," November 21, 1993.

Commentator on Ben Armstrong, "What Epistemic Regress Problem?" *Central States Philosophical Association*, Rolla, Missouri, October 15, 1993. Chair, "Belief and Consciousness," October 16, 1993.

Chair, Colloquium on Skepticism. *Central Division APA*, Chicago, April 23, 1993.

Chair, Colloquium on Philosophy of Science. *Central Division APA*, Chicago, April 26, 1991.

Chair, Colloquium on Wickedness, Goodness, and Virtue. *Pacific Division APA*, San Francisco, March 28, 1991.

Chair, *Southern Society for Philosophy and Psychology*, Louisville, April 12, 1990.

Moderator, *Central Division APA*, Cincinnati, Ohio, April 28, 1988.

Commentator on G. Barnes, "Deviance and Essence." *Pacific Division APA*, Portland, Oregon, March 26, 1988.

University representative at the Bell Lab Conference, "The Impact of Technology on Society," *The Bell Laboratory*, New Jersey, 1979.

Invited participant in the "Workshop on Models of Scientific and Technological Change," *Center for Philosophy of Science*, University of Pittsburgh, April 9-12, 1981.

Invited participant in the *Shell-Faculty Forum XI*, Shell Oil Company, Houston, January 24-27, 1982.

Reviewer for NSF.

Reviewer for ACLS.

Reviewer for Oxford University Press, Harvard University Press, Routledge, Purdue University Press.

Referee for *Australasian Journal of Philosophy*, *Philosophy of Science*, *American Philosophical Quarterly*, *Hume Studies*, *International Studies in the Philosophy of Science*.

Editorial board, *International Studies in the Philosophy of Science* (until 1995).

External reviewer for tenure and promotion cases in philosophy of science.

Undergraduate Courses Taught at Purdue:

Phil 110: Introduction to Philosophy

Phil 111: Introduction to Ethics

Phil 120: Critical Thinking

Phil 221: Philosophy of Science

Phil 270: Biomedical Ethics

Phil 303: History of Modern Philosophy
Phil 421: Philosophy of Science

Graduate Courses Taught at Purdue:

Phil 525: Metaphysics: Modern Philosophy of Space and Time
Phil 532: Epistemology: The Modern Analytic Tradition
Phil 684: British Empiricism:
 Locke, Berkeley, Hume
 Hume Seminar
Phil 551: Philosophy of the Natural Sciences:
 Explanation
 Confirmation
 Realism
 Einstein

Dissertation Committees:

James Fieser (1986), Jeffrey Jordan (1989), Roberto Salinas (1993)
Edward Martin (1995), Melanie Baker (1998), Franklin Mason (1998),
Bruce Dutra (1999), Daniel Palmer (2000), Mark Dixon (2001),
Jeremy Gallegos (2001), Thomas Gardner (2002),
James Brian Coleman (2002), James Madden (2002),
Jason Hagen (2005), Shin Kim (2005)*, Bradley Sickler (2006),
Bertha Alvarez Manninen (2006)*, Myron Penner (2007),
Christopher Tucker (2008), Alex Carmical*, Bryan O'Neal*,
Kurt Liebegott* (asterisk indicates director)

Service at Purdue:

Department:

Schedule Deputy, 1999-
Colloquium Committee, chair, 1986-2008
Graduate Committee (1984-91, 1997)
Grants and Awards (1982-95)
Grievance Committee (1991-96), chair, 1996-98

College

CLA Senate, 1997, 2003-08; vice-chair 2006-07
Nominating and Elections Committee, CLA Senate, chair, 2003,
2005-07
Grade Appeals Committee, Fall 2007, Fall 2008
Head evaluation Committee, Philosophy Department, 2006
Grievance Committee (1993-95)
Curriculum Committee (1990-91)

University

University Senate, 2007-10
Student Affairs Committee, University Senate, 2007-
Athletic Affairs Committee, 2007-08
Ad Hoc University Senate Committee on the revision of C22
on research misconduct, 2008-
Use of Human Research Subjects Committee (1988-89, 2001-02)
Dean of School of Science Search (2001-02)
Animal Care and Use Committee (1988-89)
Nominating Committee for a Distinguished Professorship in
History and Philosophy of Science and Technology, 1985-86
Committee to Revise the HSSE Requirements for Engineers,
1984-85