

**Paul Weirich**  
**Curriculum Vitae**  
November, 2011

Curators' Professor, Philosophy Department  
University of Missouri, Columbia, MO 65211  
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**Education**

Ph.D., philosophy, UCLA, 1977. Supervisor: Tyler Burge. Dissertation: *Probability and Utility for Decision Theory*. Published in 1977 on microfilm by University Microfilms, Ann Arbor, MI. Published in 2010 in print by VDM, Saarbrücken Germany.

B.A., philosophy, St. Louis University, 1968. Minor in French, magna cum laude, Phi Beta Kappa, mathematics and French honor fraternities.

Languages: French, some German and Latin.

**Employment**

From 2010 Curators' Professor, 1997–2010 Professor, and 1988–97, Associate Professor, Philosophy Department, University of Missouri.

1987–88, Assistant Professor, Philosophy Program, California State Polytechnic University, Pomona.

1980–87, Assistant Professor, Philosophy Department, University of Rochester.

1978–80, Instructor Part-Time, Philosophy Department, University of Rochester (concurrently a Mellon Postdoctoral Fellow).

1977–78, Visiting Assistant Professor, Philosophy Department, University of New Orleans.

1975, summer, Instructor Part-Time, Philosophy Department, UCLA.

Courses taught. Graduate: decision theory (including game theory), logic (inductive logic, epistemic logic, the logic of conditionals, theories of truth, causal inference, deontic logic), social and political philosophy, philosophy of science, teaching philosophy. Undergraduate: decision theory (including game theory), introductory logic, mathematical logic, symbolic logic, advanced symbolic logic (set theory, meta-theory, modal logic), probability and induction, philosophy of science, philosophy of social science, social and political philosophy, introduction to philosophy, ethics, social ethics, business ethics, aesthetics, ancient philosophy.

## Administration

Philosophy Department Chair, 1999–2002:

- I obtained approval of a hiring plan to enhance the department's Ph.D. program with five new tenured or tenure-track faculty positions.
- In AY 1999–2000 I organized an external review of the philosophy program, hired an assistant professor, a full professor, three visiting assistant professors, and two adjunct instructors. I also obtained \$1.1M in state matching funds for an endowed chair in philosophy.
- In AY 2000–2001 I hired a visiting assistant professor, began recruitment for the endowed chair, and gained additional office space for my department.
- In AY 2001–2002 I hired an assistant professor and a visiting assistant professor, recruited for the endowed chair, and began recruitment of new assistant professor.

## Books

*Collective Rationality: Equilibrium in Cooperative Games*. 2010. New York: Oxford University Press, xii + 270 pages. Also published in an electronic edition by Oxford Scholarship Online, URL: [www.oxfordscholarship.com](http://www.oxfordscholarship.com). Amazon.com sells an electronic copy as a Kindle book. Paperback edition forthcoming 2012.

*Realistic Decision Theory: Rules for Nonideal Agents in Nonideal Circumstances*. 2004. New York: Oxford University Press, x + 267 pp. Also published in an electronic edition by Oxford Scholarship Online, URL: [www.oxfordscholarship.com](http://www.oxfordscholarship.com). An inaugural Kindle book offered by Amazon.

*Decision Space: Multidimensional Utility Analysis*. 2001. Cambridge: Cambridge University Press, xiv + 272 pp. A volume in the series, *Cambridge Studies in Probability, Induction, and Decision Theory*. Paperback edition, 2007. Also published in an electronic edition by netLibrary, URL: [www.netLibrary.com](http://www.netLibrary.com). Amazon.com sells an electronic copy as a Kindle book.

*Equilibrium and Rationality: Game Theory Revised by Decision Rules*. 1998. Cambridge: Cambridge University Press, xii + 235 pp. A volume in the series, *Cambridge Studies in Probability, Induction, and Decision Theory*. Paperback edition, 2007. Published in a Chinese language edition by Economic Science Press, 2000.

## Edited Books and Special Issues

*Interactive Epistemology*. Forthcoming 2011. A special issue of the journal *Episteme*. Six essays totaling 50,000 words, with an introductory essay by Paul Weirich.

*Philosophical and Epistemological Issues in Simulation and Gaming*. 2011. Edited with Till Gruene-Yanoff, Stephanie Ruphy, and John Simpson. A special issue of the journal *Simulation and Gaming*, Vol. 42 (2). Introduction by the editors, pp. 145–148, DOI 10.1177/1046878110394034.

*Realistic Standards for Decisions*. 2010. A special issue of the journal *Synthese*, Volume 176,

Number 1. Seven essays, with an introduction by Paul Weirich.

*Labeling Genetically Modified Food: The Philosophical and Legal Debate*. 2007. New York: Oxford University Press. A twelve-essay collection with an introduction and an essay by Paul Weirich, xxi + 249 pages. Also published in an electronic edition by Oxford Scholarship Online, URL: [www.oxfordscholarship.com](http://www.oxfordscholarship.com). Offered by Amazon as a Kindle book.

### Refereed Journal Articles

1. "Exclusion from the Social Contract." 2011. *Politics, Philosophy and Economics*, Vol. 10, pp. 148–169. In a special issue: Symposium on Game Theory and Justice. DOI: 10.1177/1470594X10387262.
2. "Does Collective Rationality Entail Efficiency?" 2010. *Logic Journal of the IGPL* 18: 308–322. Part of a special issue on formal modeling in social epistemology. DOI: 10.1093/jigpal/jzp064.
3. "Utility Maximization Generalized." 2008. *Journal of Moral Philosophy* 5: 282–299.
4. "Initiating Coordination." 2007. *Philosophy of Science* 74: 790–801. Special issue with papers selected from the Philosophy of Science Association Meeting held in 2006.
5. "Universal, Joint, and Collective Rationality." 2007. *Social Choice and Welfare*, Vol. 29, pp. 683–701. Special issue, *Philosophical Aspects of Social Choice Theory and Welfare Economics*, containing papers selected from the Conference on the Philosophical Aspects of Social Choice and Welfare, held in 2005 at the University of Caen, France.
6. "Risk's Place in Decision Rules." 2001. *Synthese*, Vol. 126, pp. 427–441. An independent publication of a 1999 invited essay with the same title.
7. "Self-Supporting Strategies and Equilibria in Games." 1999. *American Philosophical Quarterly*, Vol. 36, pp. 323–336.
8. "Auguste Comte, John Stuart Mill, et l'économie politique" (Auguste Comte, John Stuart Mill, and Political Economy). 1996. *Bulletin de la Société Américaine de Philosophie de Langue Française*, Vol. 8, pp. 40–53.
9. "Rousseau on Equality." 1992. *History of Philosophy Quarterly*, Vol. 9, pp. 191–198.
10. "Conventions and Social Institutions." 1989. *The Southern Journal of Philosophy*, Vol. 27, pp. 599–618.
11. "Hierarchical Maximization of Two Kinds of Expected Utility." 1988. *Philosophy of Science*, Vol. 55, pp. 560–582.
12. "A Game-Theoretic Comparison of the Utilitarian and Maximin Rules of Social Choice."

1988. *Erkenntnis*, Vol. 28, pp. 117–133.
13. “Trustee Decisions in Investment and Finance.” 1988. *Journal of Business Ethics*, Vol. 7, pp. 73–80.
  14. “Mean-Risk Decision Analysis.” 1987. *Theory and Decision*, Vol. 23, pp. 89–111.
  15. “Expected Utility and Risk.” 1986. *British Journal for the Philosophy of Science*, Vol. 37, pp. 419–442.
  16. “Rousseau on Proportional Majority Rule.” 1986. *Philosophy and Phenomenological Research*, Vol. 47, pp. 111–126.
  17. “Decision Instability.” 1985. *The Australasian Journal of Philosophy*, Vol. 63, pp. 465–472.
  18. “Probabilities of Conditionals in Decision Theory.” 1984. *Pacific Philosophical Quarterly*, Vol. 65, pp. 59–73.
  19. “The St. Petersburg Gamble and Risk.” 1984. *Theory and Decision*, Vol. 17, pp. 193–202.
  20. “Interpersonal Utility in Principles of Social Choice.” 1984. *Erkenntnis*, Vol. 21, pp. 295–317.
  21. “A Decision Maker’s Options.” 1983. *Philosophical Studies*, Vol. 44, pp. 175–186.
  22. “Utility Tempered with Equality.” 1983. *Noûs*, Vol. 17, pp. 423–439.
  23. “Conditional Probabilities and Probabilities Given Knowledge of a Condition.” 1983. *Philosophy of Science*, Vol. 50, pp. 82–95.
  24. “Thomas Mark on Works of Virtuosity.” 1982. *The Journal of Aesthetics and Art Criticism*, Vol. 40, pp. 327–328.
  25. “A Bias of Rationality.” 1981. *The Australasian Journal of Philosophy*, Vol. 59, pp. 31–37.
  26. “Conditional Utility and Its Place in Decision Theory.” 1980. *The Journal of Philosophy*, Vol. 77, pp. 702–715.
  27. “Conditionalization and Evidence.” 1979. *The Journal of Critical Analysis*, Vol. 8, pp. 15–18.

### Reprints

1. “Rousseau on Proportional Majority Rule.” 2005. In Thom Brooks, ed., *Rousseau and Law*. London: Ashgate, pp. 109–124. Reprint of a 1986 article with the same title.

2. “Comte et Mill sur l’économie politique” (Comte and Mill on Political Economy). 1998. *Revue Internationale de Philosophie*, Vol. 52, pp. 79–93. A revised version of a 1996 journal article on the same topic.
3. “Contractarianism and Bargaining Theory.” 1993. In John Heil, ed., *Rationality, Morality, and Self-Interest*, pp. 161–174. London: Rowman and Littlefield. A revised version of a 1991 invited essay with the same title.

### **Refereed Book Chapters**

1. “Calibration.” 2012. In Henk de Regt, Stephan Hartmann, and Samir Okasha, eds., *EPSA Philosophy of Science: Amsterdam 2009*, pp. 415–425. Dordrecht: Springer. DOI 10.1007/978-94-007-2404-4\_34.
2. “The Hypothesis of Nash Equilibrium and Its Bayesian Justification.” 1994. In Dag Prawitz and Dag Westerståhl, eds., *Logic and Philosophy of Science in Uppsala*, pp. 245–264. Dordrecht: Kluwer.
3. “L’Égalité et les Sentiments Sociaux” (Equality and the Social Sentiments). 1992. In Robert Thiéry, ed., *Rousseau, l’Émile et la Révolution*, pp. 77–87. Paris: Universitas.
4. “The General Welfare as a Constitutional Goal.” 1991. In David Speak and Creighton Peden, eds., *The American Constitutional Experiment*, pp. 411–432. Lewiston, New York: Edwin Mellen Press.
5. “Group Decisions and Decisions for a Group.” 1991. In Attila Chikán, ed., *Progress in Decision, Utility and Risk Theory*, pp. 271–279. Norwell, MA: Kluwer.
6. “L’Utilité Collective” (Collective Utility). 1990. In Edith Archambault and Oleg Arkhipoff, eds., *La Comptabilité Nationale Face au Défi International* (National Accounting in the Face of an International Challenge), pp. 411–422. Paris: Economica.
7. “A Naturalistic Approach to Rational Deliberation.” 1986. In Newton Garver and Peter Hare, eds., *Naturalism and Rationality*, pp. 177–188. Buffalo: Prometheus Books.
8. “Decisions in Dynamic Settings.” 1986. In Arthur Fine and Peter Machamer, eds., *PSA 1986*, Vol. I, pp. 438–449. East Lansing: Philosophy of Science Association.
9. “Decisions When Desires Are Uncertain.” 1982. In Michael Bradie and Kenneth Sayre, eds., *Reason and Decision*, pp. 69–75. Bowling Green: Bowling Green State University.

### **Invited Essays**

1. “Multi-Attribute Approaches to Risk.” Forthcoming 2011. In Sabine Roeser, ed., *Handbook of Risk Theory*. Dordrecht: Springer. 52 ms. pages.

2. "Noncomprehensive and Conditional Rationality." Forthcoming 2011. *Protosociology*.
3. "Collective Acts." Forthcoming 2011. *Synthese*. A special issue on the foundations of the decision sciences, edited by Horacio Arló-Costa and Jeff Helzner. 34 ms. pages. DOI: 10.1007/s11229-011-0027-1
4. "The Logic of Decision." 2011. In Leon Horsten and Richard Pettigrew, eds., *The Continuum Companion to Philosophical Logic*, pp. 543–574 London: Continuum.
5. "A Bayesian Decision-Theoretic Approach to Statistics." 2011. In Prasanta Bandyopadhyay and Malcom Forester, eds., *Philosophy of Statistics*, Volume 7 of the *Handbook for Philosophy of Science*, gen. eds. Dov Gabbay, Paul Thagard, and John Woods, pp. 233–261. Oxford: North Holland (Elsevier).
6. "The Explanatory Power of Models and Simulations: A Philosophical Exploration." 2011. In Paul Weirich, Till Gruene-Yanoff, Stephanie Rupy, and John Simpson, eds., *Philosophical and Epistemological Issues in Simulation and Gaming*, a special issue of *Simulation & Gaming: An Interdisciplinary Journal*, Vol. 42, pp. 149–170. DOI: 10.1177/1046878108319639.
7. "Utility and Framing." 2010. In Paul Weirich, ed., *Realistic Standards for Decisions*, a special issue of the journal *Synthese*, Vol. 176, No. 1, pp. 83–103. DOI:10.1007/s11229-009-9485-0.
8. "Probabilities in Decision Rules." 2010. In Ellery Eells and James Fetzer, eds., *The Place of Probability in Science*, pp. 289–319. Volume 284 of *Boston Studies in the Philosophy of Science*. Dordrecht: Springer.
9. "The Philosophy and Epistemology of Simulation: A Review." 2010. With Till Grüne-Yanoff. Review essay for the 40th anniversary symposium issue of *Simulation & Gaming*, 41: 20–50. DOI: 10.1177/1046878109353470
10. "Optimization and Improvement." 2010. In Thomas Blackson, ed., *John Pollock's THINKING AND ACTING*, a book symposium of the journal *Philosophical Studies*, Vol. 148, pp. 467–475. DOI: 10.1007/s11098-009-9490-7.
11. "Intrinsic Utility." 2009. In Lars-Göran Johansson, Jan Österberg, and Rysiek Sliwinski, eds., *Logic, Ethics, and All That Jazz: Essays in Honour of Jordan Howard Sobel*, pp. 373–386. Uppsala, Sweden: Department of Philosophy, Uppsala University.
12. "Using Food Labels to Regulate Risks." 2007. In Paul Weirich, ed., *Labeling Genetically Modified Food*, pp. 222–245. New York: Oxford University Press.
13. "Belief and Acceptance." 2004. In Ilkka Niiniluoto, Matti Sintonen, and Jan Wolenski, eds., *Handbook of Epistemology*, pp. 499–520. Dordrecht: Kluwer.

14. "Economic Rationality." 2004. In Alfred Mele and Piers Rawling, eds., *Oxford Handbook of Rationality*, pp. 380–398. New York: Oxford University Press.
15. "Η επιρροή του Nash στη φιλοσοφία" (Nash's Influence on Philosophy). 2002. In Constantina Kottaridi and Gregorios Siourounis, eds., *John Nash: Θεωρία Μαιγνιών* (Game Theory: A Festschrift in Honor of John Nash), pp. 186–190. Athens: Eurasia Publications.
16. "Risk's Place in Decision Rules." 1999. In Wlodek Rabinowicz and Nils-Eric Sahlin, eds. *Spinning Ideas*, a Festschrift for Peter Gärdenfors, 1999, electronic book, <http://www.lucs.lu.se/spinning/>
17. "Contractarianism and Bargaining Theory." 1991. *Journal of Philosophical Research*, Vol. 16, pp. 369–385. A special issue in memory of Mark Overvold.

### **Critical Notices**

1. "Adam Morton on Dilemmas." 1994. Critical notice of Adam Morton, DISASTERS AND DILEMMAS. *Dialogue*, Vol. 33, pp. 95–100.
2. "The Social Sciences on Rationality." 1992. Critical notice of Jon Elster, SOLOMONIC JUDGEMENTS, NUTS AND BOLTS FOR THE SOCIAL SCIENCES, and THE CEMENT OF SOCIETY. *Philosophical Books*, Vol. 33, pp. 1–9.

### **Book Reviews**

1. "Review of José Luis Bermúdez, DECISION THEORY AND RATIONALITY." 2009. *Ethics*, Vol. 119, pp. 757–761.
2. "Review of John L. Pollock, THINKING ABOUT ACTING: LOGICAL FOUNDATIONS FOR RATIONAL DECISION MAKING." 2007. *Philosophical Books*, Vol. 48, pp. 283–285.
3. "Review of Erik J. Olsson, ed., KNOWLEDGE AND INQUIRY: ESSAYS ON THE PRAGMATISM OF ISAAC LEVI." 2007. *Notre Dame Philosophical Reviews*. An online journal. 2,500 words.
4. "Review of Annie Petit, ed., AUGUSTE COMTE: TRAJECTOIRES POSITIVISTES 1798–1998." 2005. *Isis*, Vol. 96, pp. 470–471.
5. "Review of Isaac Levi, MILD CONTRACTION." 2005. *Mind*, Vol. 114, pp. 753–757.
6. "Review of Joseph Halpern, REASONING ABOUT UNCERTAINTY." 2004. *Philosophy in Review*, Vol. 24, pp. 333–336.
7. "Review of Frederick Schick, AMBIGUITY AND LOGIC." 2004. *Philosophy in Review*,

Vol. 24, pp. 222–224.

8. “Review of Ken Binmore, GAME THEORY AND THE SOCIAL CONTRACT, VOLUME 2, JUST PLAYING.” 2001. *Ethics*, Vol. 111, pp. 794–797.
9. “Review of James Joyce, THE FOUNDATIONS OF CAUSAL DECISION THEORY.” 2000. *Philosophical Books*, Vol. 41, pp. 217–219.
10. “Review of John Kagel, Raymond Battalio, and Leonard Green, ECONOMIC CHOICE THEORY: AN EXPERIMENTAL ANALYSIS OF ANIMAL BEHAVIOR.” 1999. *Economics and Philosophy*, Vol. 15, pp. 295–302.
11. “Review of Cristina Bicchieri, Richard Jeffrey, and Brian Skyrms, eds., THE DYNAMICS OF NORMS.” 1997. *Philosophy in Review*, Vol. 17, pp. 386–388.
12. “Review of Geoffrey Scarre, UTILITARIANISM.” 1997. *Philosophical Books*, Vol. 38, pp. 288–289.
13. “Review of Robert Wokler, ed., ROUSSEAU AND LIBERTY.” 1997. *Ethics*, Vol. 107, p. 764.
14. “Review of Mark Kaplan, DECISION THEORY AS PHILOSOPHY.” 1996. *Canadian Philosophical Reviews*, Vol. 16, pp.179–180.
15. “Review of Gillis Harp, POSITIVIST REPUBLIC.” 1996. *Ethics*, Vol. 107, pp. 192–193.
16. “Review of J. Howard Sobel, TAKING CHANCES.” 1995. *Ethics*, Vol. 106, pp. 191–192.
17. “Review of Elizabeth Anderson, VALUE IN ETHICS AND ECONOMICS.” 1994. *Philosophical Books*, Vol. 36, pp. 139–141.
18. “Review of Christopher Peacocke, A STUDY OF CONCEPTS.” 1994. *Review of Metaphysics*, Vol. 48, pp. 159–160. Amazon.com sells an electronic copy.
19. “Review of Richard Jeffrey, PROBABILITY AND THE ART OF JUDGMENT.” 1992. *Canadian Philosophical Reviews*, Vol. 12, pp. 333–335.
20. “Review of Ellery Eells and Tomasz Maruszewski, eds., PROBABILITY AND RATIONALITY.” 1992. *Canadian Philosophical Reviews*, Vol. 12, pp. 189–191.
21. “Review of Colin Howson and Peter Urbach, SCIENTIFIC REASONING.” 1991. *Canadian Philosophical Reviews*, Vol. 11, pp. 36–38.
22. “Review of James Schellenberg, PRIMITIVE GAMES.” 1991. *Ethics*, Vol. 101, p. 909.
23. “Review of Jonathan Riley, LIBERAL UTILITARIANISM.” 1989. *Philosophical Books*,

Vol. 30, pp. 182–183.

24. “Review of Amartya Sen, THE STANDARD OF LIVING.” 1988. *Philosophical Books*, Vol. 29, pp. 180–183.
25. “Review of Richmond Campbell and Lanning Sowden, eds., PARADOXES OF RATIONALITY AND COOPERATION.” 1986. *Canadian Philosophical Reviews*, Vol. 6, pp. 141–143.
26. “Review of Clark Glymour, THEORY AND EVIDENCE.” 1981. *Philosophical Topics*, Vol. 12, pp. 294–299.

### **Commentary**

1. “Risk Regulation.” 2005. Comments on “Moral Heuristics” by Cass R. Sunstein. *Behavioral and Brain Sciences*, Vol. 28, pp. 564–565.
2. “From Rationality to Coordination.” 2003. Comments on “Cooperation, Psychological Game Theory, and Limitations of Rationality in Social Interaction” by A. M. Colman. *Behavioral and Brain Sciences*, Vol. 26, pp. 179–180.
3. “Decisions to Follow a Rule.” 2002. Comments on “Altruism and Selfishness” by Howard Rachlin. *Behavioral and Brain Sciences*, Vol. 25, pp. 280–281.
4. “Comments on Ellis’s ‘What Economists (and Everyone Else) Should Think About Utility Theory.’” 2002. Proceedings of the 2001 meeting of the Southwest Philosophical Society, *Southwest Philosophical Review*, Vol. 18, pp. 117–120.

### **Dictionary and Encyclopedia Entries**

1. “Collective Rationality.” Forthcoming 2012. In Byron Kaldis, ed., *Encyclopedia of Philosophy and the Social Sciences*. Thousand Oaks, CA: Sage.
2. “Condorcet’s Jury Theorem” and “Preference.” Forthcoming 2012. In Hugh LaFollette, ed., *International Encyclopedia of Ethics*. New York: Wiley-Blackwell.
3. “Causal Decision Theory.” 2008. *Stanford Encyclopedia of Philosophy*. An online reference work: <http://plato.stanford.edu/>
4. “Replicator Dynamics,” “Rationality,” “Time Preference,” and “Utility, Objective.” 2008. Entries in William Darity, ed., *International Encyclopedia of the Social Sciences*, 2nd edition, Vol. 7, pp. 79–83, 169–170, Vol. 8, pp. 369–371, 557–558. New York: Macmillan.
5. “Bruno de Finetti,” “Frank Ramsey,” “Leonard Savage,” and “Herbert Simon.” 2008. Entries in Noretta Koertge, ed., *The New Dictionary of Scientific Biography*, Vol. 2, pp. 255–258; Vol. 6, pp. 203–205, 349–351, 449–452. New York: Scribners.

6. Entry on “Decision Theory.” 1997. In R. Edward Freeman and Patricia Werhane, eds., *Blackwell Encyclopedic Dictionary of Business Ethics*, pp. 164–165. This book is Vol. 11 of Cary Cooper and Chris Argyris, eds., *Blackwell Encyclopedia of Management*. London: Blackwell.
7. Entries on “Bargaining Theory,” “Bertrand’s paradox,” “Bertrand’s box paradox,” “Comte,” “Condorcet,” “Laplace,” “Newcomb’s paradox,” and “the St. Petersburg paradox.” 1995. In Robert Audi, ed., *Cambridge Dictionary of Philosophy*. Cambridge: Cambridge University Press. Also, an entry on “Allais’s Paradox” added to the second edition, 1999.

### **Conference Papers**

1. “Decisions without Sharp Probabilities.” Conference on Logic, Methodology, and Philosophy of Science, Nancy, France, July, 2011. Pacific Division Meeting of the American Philosophical Association, April, 2011. Joint Missouri Philosophy of Science Association and St. Louis Area Philosophy of Science Association meeting, March, 2011.
2. “Collective Rationality’s Roots.” St. Louis Annual Conference on Reasons and Rationality, 2010; Conference on Collective Intentionality VII, University of Basel, Switzerland, 2010.
3. “Generalizing Decision Theory,” Meeting of the Society for Philosophy of Science, Paris, 2009, and Philosophy of Medicine Roundtable, Erasmus University, Rotterdam, 2009.
4. “Calibration,” Central Division Meeting of the American Philosophical Association, 2009, European Philosophy of Science Association, 2009, and Society for Exact Philosophy, 2010.
5. “Equilibrium Among Coalitions,” Formal Epistemology Workshop (FEW), 2009.
6. “Does Collective Rationality Require Efficiency?” For a conference entitled “Formal Modeling in Social Epistemology,” held in the Netherlands at the University of Tilburg, 9–10 October 2008.
7. “Utility and Framing,” annual meeting of the Society for Exact Philosophy, 2008, Laramie, Wyoming.
8. “Initiating Coordination,” Philosophy of Science Association Meeting, Vancouver, 2006, and Logic, Game Theory, and Social Choice 4, an international conference at the University of Caen, France, 2005
9. “A Syntactic Treatment of Common Knowledge in Simultaneous-Move Games,” LOFT06, 7th Conference on Logic and the Foundations of Game and Decision Theory, University of Liverpool, 2006.
10. “Computer Simulations in Game Theory,” Models and Simulations, conference organized by the London School of Economics, Centre for Philosophy of Natural and Social Science, and

held in Paris, France at the CNRS Délégation Paris A, with the support of the Institut d'Histoire et de Philosophie des Sciences et des Techniques, 2006.

11. "Utility Maximization Generalized," Pacific Division Meeting of the American Philosophical Association, 2005.
12. "Intrinsic Utility," Eastern Division Meeting of the American Philosophical Association, 2004; Society for Exact Philosophy meeting in Vancouver, Canada, May, 2003; and Logic, Methodology and Philosophy of Science meeting in Oviedo, Spain, 2003.
13. "Probabilities in Decision Rules," Society for Exact Philosophy meeting at the University of Maryland, 2004.
14. "Government Regulation of Genetic Engineering," Oklahoma State University Ethics Center Conference on Medical Enhancement, Tulsa, Oklahoma, 2003.
15. "Self-Supporting Strategies and Equilibria in Games," 4th Annual French Meeting of Experimental Economics, Ecole Normale Supérieur de Cachan, 1998.
16. "Self-Supporting Options and Dilemmas of Rationality," Pacific Division meeting of the American Philosophical Association, 1997, and Mid-South Philosophy Conference, 1996.
17. "Ratifiability and Nash Equilibrium," Pacific Division Meeting of the American Philosophical Association, 1994.
18. "Rousseau on Equality," Central Division Meeting of the American Philosophical Association, 1992.
19. "Group Utility," Pacific Division Meeting of the American Philosophical Association, 1992.
20. "The Hypothesis of Nash Equilibrium and Its Bayesian Justification," 9th International Congress of Logic, Methodology, and Philosophy of Science, Uppsala, Sweden, 1991.
21. "Contractarianism and Bargaining Theory," Mark Overvold Memorial Conference, St. Olaf College, 1990.
22. "Bayesian Game Theory," Fifth International Conference on the Foundations of Utility, Risk, and Decision Theories, Duke University, 1990; also accepted for the 1991 Meeting of the Pacific Division of the American Philosophical Association, but not delivered.
23. "L'Égalité et les Sentiments Sociaux" (Equality and the Social Sentiments), International Conference on Rousseau, Emile, and the French Revolution; Montmorency, France, 1989.
24. "L'Utilité pour un Groupe" (Group Utility), French National Accounting Association Conference, Paris, 1988.

25. "Group Decisions and Decisions for a Group," Fourth International Conference on the Foundations of Utility, Risk, and Decision Theories, Budapest, 1988.
26. "Trustee Decisions in Investment and Finance," International Society for Inventory Research Conference, Budapest, 1988, and East Carolina University Conference on Business Ethics, 1986 (prize winning paper).
27. "The General Welfare as a Constitutional Goal," Third International Social Philosophy Conference, Charlotte, NC, 1987.
28. "Decisions in Dynamic Settings," Philosophy of Science Association Meeting, 1986, and Central Division Meeting of the American Philosophical Association, 1986.
29. "Mean-Risk Decision Analysis," Third International Conference on the Foundations of Utility, Risk, and Decision Theories, Aix-en-Provence, 1986.
30. "A Naturalistic Approach to Rational Deliberation," Pacific Division Meeting of the American Philosophical Association, 1986, and SUNY Buffalo Conference on Naturalism and Rationality, 1985.
31. "Central and Derivative Senses of Convention," Eastern Division Meeting of the American Philosophical Association, 1985.
32. "Decision Instability," Western Division Meeting of the American Philosophical Association, 1985.
33. "Expected Utility and Risk," Eastern Division Meeting of the American Philosophical Association, 1984.
34. "The St. Petersburg Gamble and Risk," Western Division Meeting of the American Philosophical Association, 1984.
35. "Rousseau on Proportional Majority Rule," Western Division Meeting of the American Philosophical Association, 1983, and Society for Rousseau Studies, 1981.
36. "Decisions When Desires Are Uncertain," Third Annual Conference on Applied Philosophy, 1981, and Society for Philosophy and Psychology, 1981.
37. "Conditional Probabilities Are Probabilities of Conditionals," Western Division Meeting of the American Philosophical Association, 1981.
38. "On Thomas Mark's Definition of Works of Virtuosity," Eastern Division Meeting of the American Society for Aesthetics, 1981.
39. "Conditional Utility and Its Place in Decision Theory," symposium paper, Eastern Division Meeting of the American Philosophical Association, 1980.

40. "A Bias of Rationality," Pacific Division Meeting of the American Philosophical Association, 1980, and the New York State Philosophical Association Meeting, 1979.

### **Invited Addresses**

1. "Separability." Philosophy Seminar, University of Sydney, scheduled for October, 2012.
2. "Simplifying Choice." Presidential Address to the Central States Philosophical Association, scheduled for September 2012.
3. "Informative-Sensitive Risks." New Science – New Risks, Conference at the Center for Philosophy of Science, University of Pittsburgh, scheduled for March 2012.
4. "Two Types of Risk." Kline Conference on Government Regulation of Risk, University of Missouri, scheduled for spring 2012.
5. "Generalizing Decision Theory." University of Lund, Sweden, conference on decision theory, 2009, and University of Leuven, Belgium, 2009.
6. "Temporal Utility." Kline Conference on Causation, Time, and Choice, University of Missouri, 2009.
7. "Common Knowledge in Simultaneous-Move Games." Keynote address at the St. Louis Area Philosophy of Science Association (SLAPSA) conference held at Washington University in St. Louis, 2009; Conference on Modality in Science, University of Colorado, 2007; Workshop on Formal Epistemology, University of Oklahoma, 2007.
8. "Collective Acts." Washington University Philosophy Colloquium, 2009; Kline Conference on Collective Rationality, University of Missouri, 2005.
9. "Utility and Framing." University of Missouri conference on Realistic Standards for Decisions, 2008.
10. "Exclusion from the Social Contract." Workshop treating Recent Work on Bargaining and Justice, University of North Carolina at Chapel Hill, 2007; Philosophy Department Colloquium. Montana State University, 2007.
11. "Universal, Joint, and Collective Rationality." Conference on the Philosophical Aspects of Social Choice and Welfare," University of Caen, France, 2005.
12. "Utility Maximization Explained and Generalized." Fifth Conference on the Logical Foundations of the Theory of Games and Decisions (LOFT 5), International Center for Economic Research (ICER), Turin, Italy, 2002.
13. "Rationality for Errant Agents." 2002 Bled Conference on Rationality, Bled, Slovenia.

14. "Economic Rationality." University of Oklahoma, 2002.
15. "Nash's Influence on Philosophy." Read by my proxy at a conference in Athens celebrating John Nash's achievements, 2000.
16. "Analysis in Decision Theory." Bled Conference on Philosophical Analysis, Bled, Slovenia, 2000.
17. "Games of Strategy and Bounded Rationality: A Commentary on *The Dynamics of Rational Deliberation* by Brian Skyrms." Symposium paper, American Philosophical Association Pacific Division Meeting, 1991.
18. "Ethics and Bargaining Theory." University of Kansas, 1989, University of Missouri, 1988, and Virginia Commonwealth University, 1987.
19. "L'utilité pour un groupe" (Group Utility). University of Paris VI, 1988.
20. "Philosophical Decision Theory." Loyola Marymount University, 1987.
21. "Trustee Decisions." Bowling Green State University, 1986.
22. "Expected Utility and Risk." Ohio State University Conference on Decision Theory, 1985.
23. "Rousseau on Proportional Majority Rule." Hobart and William Smith Colleges, 1985.
24. "Government Regulations Concerning Risk." SUNY Brockport, 1982.
25. "Measurement." University of California-Berkeley, 1976.

#### **Conference Comments**

1. "Comments on 'The Bayesian Explanation of Transmission Failure' by Geoff Pynn," Central States Philosophical Association, 2009.
2. "Comments on 'Modest Sociality and the Distinctiveness of Intention' by Michael Bratman," Kline Conference on Collective Rationality, University of Missouri, 2008.
3. "Comments on 'Reformulating the Precautionary Principle' by Derek Turner and Kate Kovenock," Central Division Meeting of the American Philosophical Association, 2005.
4. "Comments on Thomas Pogge," Kline Conference on Poverty and Global Justice, University of Missouri, 2004.
5. "Comments on 'What Economists (and Everyone Else) Should Think About Utility Theory' by Steven Ellis," Southwest Philosophical Society Meeting, 2001.

6. “Comments on ‘Perceptual Entitlement’ by Philip Graham,” Pacific Division Meeting of the American Philosophical Association, 1999.
7. “Comments on ‘Objectivity, Triangulation and the Skeptic’ by Ron Wilburn,” Southwest Philosophical Society Meeting, 1998.
8. “Comments on ‘Repeated Games, Incomplete Information and Coordination: Experimental Results in the Investment Game,’ by C. Meidinger, S. Robin, and B. Ruffieux,” 4th Annual French Meeting of Experimental Economics, Ecole Normale Supérieur de Cachan, 1998.
9. “Comments on ‘The Indexical Character of Names’ by Mitchell Green,” Central States Philosophical Association Meeting, 1996.
10. “Comments on ‘Salience Reconsidered’ by Travis Hreno,” Mid-South Philosophy Conference, 1996.
11. “Comments on ‘Democracy, Public Reason, and Cultural Pluralism’ by James Bohman,” Central Division Meeting of the American Philosophical Association, 1993.
12. “Comments on ‘Inductive Commitment’ by Piers Rawling,” Central States Philosophical Association, 1992.
13. “Comments on ‘Synonymy and Ontic Modalities’ by Andrzej Zabłudowski,” Pacific Division Meeting of the American Philosophical Association, 1988.
14. “Comments on ‘Nominalistic Theories of Fictional Objects,’ by Terence Parsons,” University of Rochester Conference on Nominalism, 1987.
15. “Comments on ‘Aversion to Uncertainty and Risk in Models with Nonadditive Probabilities’ by Alain Chateaufneuf,” Third International Conference on Utility, Risk, and Decision Theories, Aix-en-Provence, 1986.
16. “Comments on ‘On What’s in the Head’ by Robert Stalnaker,” University of Rochester Conference on Intentionality, 1986.
17. “Comments on ‘Attainable Rationality’ by Allan Gibbard,” University of Rochester Conference on Rationality and Human Limits, 1983.

### **Editorial Work**

Editorial board member, 2006–2012, for the journal, *Economics and Philosophy*.

Editorial board member and associate editor for decision theory, beginning 2011, for the *British Journal for Philosophy of Science*.

Section editor, beginning 2011, for *Philosophy of Simulation*, a section of the journal, *Simulation & Gaming*; Editorial board member, beginning 2009, for the journal, *Simulation & Gaming*.

Associate Editor for Decision Theory and Game Theory (23 articles) in *The New Dictionary of Scientific Biography*. 2008. An eight-volume collection under the general editorship of Noretta Koertge. New York: Scribners.

Book manuscript reader for Oxford University Press, Cambridge University Press, the University of Chicago Press, Princeton University Press, John Wiley & Sons, Mayfield Publishing Company, Wadsworth Publishing Company, Norton and Company, Harcourt Brace, and the University of Missouri Extension Program.

Book chapter referee for *Mélanges*, edited by Martine Prost, a collection dedicated to Marc Orange and Alexandre Guillemoz, published by the Collège de France, Paris.

Article referee for *AgBioForum*; *American Philosophical Quarterly*; *Australasian Journal of Philosophy*; *Behavioral and Brain Sciences*; *British Journal for the Philosophy of Science*; *Complexity*; *Dialogue*; *Economics and Philosophy*; *Episteme*; *Erkenntnis*; *Ethical Theory and Moral Practice*; *Ethics*; *European Journal for Philosophy of Science*; *Foundations of Science*; *Journal of Moral Philosophy*; *Journal of Philosophical Research*; *Inquiry*; *Knowledge, Rationality and Action*, a special section of *Synthese*; *Notre Dame Journal of Formal Logic*; *Noûs*; *Pacific Philosophical Quarterly*; *Philosophical Quarterly*; *Philosophical Review*; *Philosophical Studies*; *Philosophy and Phenomenological Research*; *Philosophy of Science*; *Politics, Philosophy, and Economics*; *Public Choice*; *Simulation & Gaming*; *Social Choice and Welfare*; *Social Theory and Practice*; *Synthese*; *Theory and Decision*; *Tourism Management*.

### **Other Professional Activities**

President, 2011–2012, Central States Philosophical Association, in charge of local arrangements for the 2012 meeting. Vice-President, 2010–2011, Central States Philosophical Association, in charge of the program for the 2011 meeting.

Evaluator for the Chateaubriand Fellowship awarded by the Embassy of France in the United States for doctoral study in France, 2007–2008, 2008–2009, 2010–2011.

Program Committee member: (1) New Science – New Risks, Conference at the Center for Philosophy of Science, University of Pittsburgh, scheduled for March 2012; (2) Logic, Game Theory and Social Choice 5, an international conference in Bilbao, Spain, 2007; (3) The Philosophy of Science Association conference, Vancouver, 2006; (4) Logic, Game Theory and Social Choice 4, an international conference at the University of Caen, France, 2005.

Member of the American Philosophical Association and the Philosophy of Science Association. Past member of the Society for Exact Philosophy and the North American Rousseau Society.

Conference paper referee for the Formal Epistemology Workshop (FEW), North American Society for Social Philosophy, The Central States Philosophical Association, Concerned

Philosophers for Peace, Hawaii International Conference in the Social Sciences, The Southwestern Philosophical Society.

Grant proposal referee for the National Science Foundation, the National Endowment for the Humanities, Montana State University, the University of Missouri Research Board, and the University of Missouri Research Council.

Outside referee for promotion and tenure decisions at University of Michigan, Florida State University, Montana State University, University of Oklahoma, Wayne State University, Virginia Polytechnic Institute and State University, University of Durham (UK), University of Missouri-Rolla, University of Missouri-St. Louis, University of South Florida, Central Methodist College, and University of New Orleans.

External assessor of work by philosophy majors at the University of Oklahoma, 2005.

Conference Director for (1) Kline Conference on Value Holism, University of Missouri, scheduled for 2014, (2) Kline Conference on Government Regulation of Risk, University of Missouri, scheduled for 2012, (3) Kline Conference on Causation, Time, and Choice, University of Missouri, 2009; (4) Conference on Realistic Standards for Decisions, 2008, funded by the National Science Foundation; (5) Kline Conference on Collective Rationality, University of Missouri, 2005; (6) Conference on Labeling Genetically Modified Food, University of Missouri, 2005.

#### **Major University Fellowships and Grants (PI for all grants)**

1. Research Grant, 2012, awarded by the University of Missouri System Research Board, \$10,000 for a project on regulation of risk, used for one semester of released-time.
2. Research Leave, 2011–2012, awarded by the University of Missouri Research Council, one year of released-time for research on regulation of risk.
3. Research Grant, 2006–2008, awarded by the University of Missouri System Research Board, \$10,000 for a project on government regulation of risks, used for three-fourths of a year of released-time.
4. Research Leave, 2006–2007, awarded by the University of Missouri Research Council, one year of released-time for the study of collective rationality, with \$3,750 companion funding for a research assistant.
5. Research Leave, 2002–2003, awarded by the University of Missouri Research Council, one year of released-time for the study of equilibrium in cooperative games, with \$1,000 companion funding for manuscript preparation.
6. Research Leave, 1994–95, awarded by the University of Missouri Research Council, one year of released-time for research on non-verificationist decision theory.

7. Research Grant, 1994–95, awarded by the University of Missouri System, \$9,480 for research on non-verificationist decision theory, used to supplement Research Council funding for one year of released-time.
8. Mellon Fellowship, 1985–86, awarded by the University of Rochester, one year of released-time for interdisciplinary study in political science and economics.
9. Mellon Faculty Fellowship, 1982, awarded by the University of Rochester, one semester of released-time for research on trustee decisions.
10. Mellon Postdoctoral Fellowship, 1978–80, awarded by the University of Rochester, \$10,000 stipend yearly for interdisciplinary study in political science.

### **Other University Fellowships and Grants**

1. Mizzou Advantage Faculty Development Award, 2012, awarded by the University of Missouri Mizzou Advantage Program, \$1,500 for a visit to the University of Sydney Centre for the Foundations of Science.
2. Grant-Writing Fellowship, 2010, awarded by the University of Missouri Center for Arts and Humanities, \$6,000 for teaching replacement costs for one semester.
3. Travel Grant, 2009, awarded by the University of Missouri Center for Arts and Humanities, \$500 for travel to the European Philosophy of Science Association meeting in Amsterdam.
4. Travel Grant, 2008, awarded by the University of Missouri, \$1,500 for travel to a conference, Formal Modeling in Social Epistemology, held at the University of Tilburg in the Netherlands. Supplemented by a \$300 grant from the University of Missouri Center for Arts and Humanities.
5. Summer Research Fellowship, 2008, awarded by the University of Missouri, \$7,000 for summer research on utility and on simulations, with \$1,000 in companion funds for research assistance.
6. Travel Grant, 2006, awarded by the University of Missouri, \$1,304 for travel to the Models and Simulations conference in Paris, France.
7. Grants from various campus units totaling \$7,400 for a Conference on Labeling Genetically Modified Food, University of Missouri, 2005.
8. Summer Research Fellowship, 2005, awarded by the University of Missouri, \$5,000 for summer research on government regulation to reduce risk, with \$1,500 in companion funds for manuscript preparation.
9. Faculty Incentive Grant, 2005, awarded by the University of Missouri, Arts and Science Alumni Organization, \$1,500 for a project treating collective rationality.

10. Travel Grant, 2002, awarded by the University of Missouri, \$1,500 for travel to the Bled Conference on Rationality, Slovenia, June, 2002.
11. Research Grant, 2002–2003, awarded by the University of Missouri System Research Board, \$6,000, for the study of equilibrium in cooperative games, used for summer research.
12. Travel Grant, 1999, awarded by the University of Missouri, \$1,500 for travel to the Bled Conference on Philosophical Analysis, Slovenia, June, 2000.
13. General Education Grant, 1999, awarded by the University of Missouri General Education Program, \$4,500 for a teaching assistant to facilitate the development of a Computer and Information Proficiency course.
14. General Education Grant, 1999, awarded by the University of Missouri General Education Program, \$9,000 for teaching assistants to facilitate offerings of an Undergraduate Seminar.
15. General Education Grant, 1996, awarded by the University of Missouri General Education Program, \$4,000 for a teaching assistant for expansion of Mathematical Reasoning Proficiency courses.
16. Travel Grant, 1991, awarded by the University of Missouri, \$400 for travel to the 9th International Congress of Logic, Methodology, and Philosophy of Science, Uppsala, Sweden, August, 1991.
17. Summer Research Fellowship, 1991, awarded by the University of Missouri, \$4,000 for research on decisions made for others.
18. Summer Research Fellowship, 1989, awarded by the University of Missouri, \$3,500 for research on multidimensional utility analysis.
19. Travel Grant, 1988, awarded by the University of Missouri, \$600 for travel to the Third National Accounting Conference, Paris.
20. Travel Grant, 1988, awarded by the President of the California State Polytechnic University, \$1,200 for travel to the Fourth International Conference on Utility, Risk, and Decision Theories in Budapest.
21. Research Grant, 1985, awarded by the University of Rochester, \$400 for research on decision instability.
22. Research Grant, 1984, awarded by the University of Rochester, \$1,000 for research on group preferences.
23. Lilly Postdoctoral Teaching Fellowship, 1981–82, awarded by the University of Rochester, released-time from one course, for teaching development.

## **External Grants and Fellowships**

Visiting Fellow, 2012, University of Pittsburgh Center for Philosophy of Science, spring semester.

Conference Grant, 2008, awarded by the National Science Foundation, \$10,000, for a conference on Realistic Standards for Decisions held at the University of Missouri in 2008, grant number SES-0749869.

Travel Grant, 1989, awarded by the American Council of Learned Societies, \$500 for travel to an international conference, “J.J. Rousseau, L’Émile et La Révolution,” in Montmorency, France.

Summer Research Fellowship, 1988, awarded by the National Science Foundation, History and Philosophy of Science Program, \$9,000 for research on the explanation of group behavior, grant number SES-8719765.

## **Honors**

Curators’ Professor, 2010–2015, five-year renewable appointment by the University of Missouri System to its highest academic rank, \$10,000 annual stipend.

William H. Byler Distinguished Professor Award, 2009, given by the University of Missouri, \$5,000 prize.

Listed in Gale, *Contemporary Authors*; Marquis, *Who’s Who in the Midwest*; International Biographical Centre, *2000 Outstanding Academics of the 21st Century*; Cattell, *Directory of American Scholars*; Educational Communications, *Who’s Who Among America’s Teachers*, AcademicKeys *Who’s Who in Humanities Higher Education (WWHHE)*:  
<http://humanities.academickeys.com/>

## **Ph. D. Dissertation Supervision**

At the University of Missouri, Dissertation Supervisor for Daniel Marshall, Ashton Sperry (Ph.D. 2011), Darin Finke (Ph.D. 2011), Soon-Pil Choi (Ph.D. 2008), Christopher Haugen (Ph.D. 2008), Yeong-Seo Yeo (Ph.D. 2002), Jared Bates (Ph.D. 2001), and Tim Patrick (Ph.D. 1992).

At the University of Rochester, Dissertation Supervisor for Gregory Goode (Ph.D. 1987), Carl Steen (Ph.D. 1986), Kenneth Ferguson (Ph.D. 1984), and Colleen Clements (Ph.D. 1980). A Dissertation Co-Supervisor for Alan Lubert (Ph.D. 1988), Howard Harriott (Ph.D. 1988), and Murumba Jem Oguogho (Ph.D. 1985).

## **Department Service**

Director of Graduate Admissions, 2008–09, 2010–2011.

Promotion, Tenure, or Third-Year Review Committee, 2010 (chair), 2008–09 (thrice, chair each time), 2007–08 (twice, once chair and once a member), 2006–07 (chair), 2004 (chair).

Committee on Policies Governing Non-regular Faculty, 2006–07.

Chair of Committee on Coauthorship, 2006.

Director of Logic Instruction, 2004–6 and 1988–99.

Chair of the Committee on the B.S. Degree, 2005–2006, 2010.

Department Faculty Search Committee, 2004–05.

Philosophy Graduate Program Admissions Committee, 2003–2006, 1994, and 1988–92.

Graduate Student Awards Committee, 1997.

Director of Undergraduate Studies, 1992–94, and at the University of Rochester, 1979–80.

Philosophy Club Faculty Advisor 1992–94, and at Cal Poly University, 1987–88.

Director of Graduate Studies, 1991–92, and at the University of Rochester, 1980–85.

Chair of the Committee on the Training of Graduate Students for Teaching Careers, 1991–92.

Speakers Committee Chair, 1998–99 and 1989–91.

University of Rochester, Coordinator of Computer Activities, 1979–87.

University of Rochester, Director of the Colloquium Program, 1986–87.

### **College Service**

Committee on Elections, 2004–2005.

Committee on Scholarships, 2004–2005

Committee on Responsibility, 2003–2004.

Linguistics Program Committee, 1988–2006.

Brick Lecture Committee, 2000–2001.

Molecular Biology search committee for a visiting bioethics scholar, 2000–2001.

Curriculum, Instruction and Advising Committee, Subcommittee on Quantitative Proficiency Courses, 1990–93.

Committee on the Status of Women, 1992–94.

University of Rochester, Humanities Lectures Committee, 1981–84.

### **University Service**

Mediator for a faculty development plan, 2011, College of Agriculture, Food, and Natural Resources.

Screening Committee for the Jefferson Award, Community Engagement Award, and Cross Cultural Engagement Award, 2011.

Screening Committee for the Shutz teaching award and the Byler research award, 2010.

Research Council, 2003–2006.

Life Sciences and Society Symposium Program Committee, 2005–2006.

Biotechnology and Society Program Committee, 1999–2004, and member of its steering committee 2000–2004.

Recruitment consultant for two faculty positions in Health Management and Medical Informatics, 2000–2001.

Affiliated Faculty Member, Graduate School of Public Affairs and the Missouri Institute of Public Policy since 1999; Member of the search committee for the inaugural director of the Graduate School of Public Affairs and the Missouri Institute of Public Policy, 1999–2000.

Thomas Lecture Committee, 1999–2000.

Faculty Council, 1997–99, chair of its Special Projects Committee and member of its Executive Committee, 1998–99.

University Council on Advisement, 1997–98.

University Committee on Undergraduate Education 1993–4 and 1995–96, Chair of its Sub-Committee on Mathematical Reasoning 1993–94, and Chair of its Sub-Committee on Undergraduate Seminars and Writing 1995–96.

University Review Panel for Mathematical Reasoning Proficiency courses, 1993–94.

Graduate School Fellowship Committee, 1993–94.

Graduate Faculty Senate, 1990–93; Executive Committee member, 1992; University Research Affairs Committee member, 1990–93, and Chair, 1992.

President of the University of Missouri Chapter of Phi Beta Kappa, 1992; Vice-President, 1991.

Mathematics Literacy Task Force, 1988–89.

University of Rochester, Council on Graduate Studies, 1980–85.

University of Rochester, Health Professions Advisory Committee, 1984–85.

### **National Service**

American Philosophical Association Committee on Academic Career Opportunities and Placement, 2009–2012. Speaker at a three-hour session on best practices in academic hiring, Pacific Division APA Meeting, 2011.