

# Richard Creath

## CURRICULUM VITAE

### **Personal:**

Life Sciences Address:

School of Life Sciences, 874501  
Arizona State University  
Tempe, Arizona 85287-4501

Phone: (480) 965-6270

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### **Education:**

B.A. 1969, Philosophy; Knox College, Galesburg, IL 61401

M.A. 1972, Philosophy; University of Pittsburgh, Pittsburgh, PA 15260

M.A. 1974, History and Philosophy of Science; University of Pittsburgh, Pittsburgh, PA 15260

Ph.D. 1975, Philosophy; University of Pittsburgh, Pittsburgh, PA 15260

Dissertation: *Science, Syntax and Semantics: An Examination of the Philosophy of Language of Rudolf Carnap.* (Director: Wilfrid Sellars)

### **Professional Experience:**

Teaching Assistant and Fellow, University of Pittsburgh, 1970-73

Visiting Instructor, Carnegie-Mellon University, 1973

Assistant Professor, Arizona State University, 1974-84

Research Assistant Professor, University of Pittsburgh, 1977-78

Associate Professor, Arizona State University, 1984-1992

Visiting Associate Professor, Stanford University, Winter and Spring Quarter, 1987

Professor of Philosophy, Arizona State University, 1992-

Professor of Life Sciences, Arizona State University, 2003-

Director, Program in History and Philosophy of Science, Arizona State University, 2003-

Adjunct Scientist, Marine Biological Laboratory, Woods Hole, MA, 2010-13

President's Professor of Life Sciences and of Philosophy, Arizona State University, 2011-

### **Teaching Areas:**

Philosophy of Science, Carnap, Quine, Twentieth-Century Analytic History, Epistemology, Metaphysics, Philosophy of Mind, Philosophy of Language, Logic, History of Science

### **Awards: Research and Scholarship:**

Phi Beta Kappa, 1969  
Danforth Graduate Fellowship, 1969-74  
NSF Traineeship, 1969-70  
NSF Grant: Preliminary Cataloging of the Carnap Papers, 1975-77  
NEH Grant: Organizing the Carnap Collection, 1977-79  
Arizona State University Faculty Grant-in-Aid, Summer Grant, etc; several  
Senior Research Fellowship, Center for Philosophy of Science, University of Pittsburgh,  
1982  
Member, Center for Philosophy of Science, University of Pittsburgh, 1982-present  
NEH Fellowship: Analyticity: The Carnap-Quine Debate, 1987-88  
NSF Grant: Analyticity: The Carnap-Quine Debate, Summers 1987, 1988  
National Research Council: Travel grant, Summer 1991  
Arizona State University Humanities Released Time Award 1993  
Philosophy of Science Association: Travel Grant, 1995  
NSF Grant: Analyticity: Carnap, Quine, and the Structure of Science, 1996-97  
NSF (SGER) Grant: Feasibility Study for Carnap Collected Works, 2000-01  
Dibner Institute in the History of Science Senior Fellowship, Spring 2002  
Fellow, American Association for the Advancement of Science, 2009-

### **Awards: Teaching:**

Promoters of Excellence Award, Honors College, Arizona State University, April 1995  
Faculty & Staff: Outstanding Dedication to Students, September 1998  
Dean's Quality of Instruction Award, 2004  
President's Professor 2011-

### **Other Professional Positions:**

Curator, Rudolf Carnap Collection, University of Pittsburgh, 1974-81  
Member, Rudolf Carnap Collection Committee, University of Pittsburgh, 1981-present  
Executive Secretary, Archive for Scientific Philosophy, University of Pittsburgh, 1981-1995  
Co-organizer, Society for Exact Philosophy meeting, 1982  
Senior Research Fellow, Center for the Philosophy of Science, University of Pittsburgh, 1982  
Visiting Scholar, Harvard University, 1983-84  
Nominating Committee, APA Pacific Division, 1987-88  
U.S. Delegate, on behalf of the National Academy of Sciences, to the General Assembly of  
the International Union of History and Philosophy of Science, Division of Logic,  
Methodology and Philosophy of Science, Stockholm, Sweden, August 11, 1991  
Editorial Board, *Philosophical Studies*, 1992-  
Nominating Committee, Philosophy of Science Association, 1996-1998  
NSF panel member: Program in Science and Technology Studies, 1995-99  
History of Logic, Methodology, and Philosophy of Science committee member for the 11th  
International Congress for LMPS  
General Editor: *Carnap Collected Works*, 2000-  
Board Member, *Archives of Scientific Philosophy*, 2002-  
Editorial Board, *Philosophy of Science*, 2004-2009  
Editorial Board Member, Vienna Circle Institute Yearbooks, 2008-  
Board Member, Vienna Circle Institute, Vienna, Austria, 2008-

### **Other Professional Positions:** (cont'd)

History and Philosophy of Science Committee, Marine Biological Laboratory, Woods Hole, MA, 2009-  
Local Arrangements Chair, History of Science Society Annual Meeting, Phoenix, AZ, 2009  
Chair Elect, Section L (History and Philosophy of Science), American Association for the Advancement of Science, 2009-10  
Steering Group, Section L (History and Philosophy of Science), AAAS, 2009-12  
Chair, Section L (History and Philosophy of Science), AAAS, 2010-11  
Immediate Past Chair, Section L (History and Philosophy of Science), AAAS, 2011-12  
Adjunct Scientist, Marine Biological Laboratory, Woods Hole, MA, 2010-13  
Philosophy of Science Association Archive Committee, 2011-  
Organizer, "Is Science Revolutionary? Thomas Kuhn and *The Structure of Science*", Marine Biological Laboratory, Woods Hole, MA, July 27-28, 2012  
Advisory Board, *Journal for the History of Analytical Philosophy*, 2012-  
APA Eastern Division Advisory Committee to the Program Committee, 2014-15  
History Project Fellow Associate, Marine Biological Laboratory, Woods Hole, MA, 2017-

### **Publications-Books:**

[edited volume] *Dear Carnap, Dear Van: The Quine-Carnap Correspondence and Related Work*. W. V. Quine and Rudolf Carnap. Edited, with an Introduction by Richard Creath. Los Angeles: University of California Press, 1990. xvi + 484 pp.  
[co-edited volume] *Biology and Epistemology*. Co-edited with Jane Maienschein. New York: Cambridge University Press, 2000. xviii + 295 pp.  
[co-edited volume] *The Cambridge Companion to Carnap*. Co-edited with Michael Friedman. Cambridge: Cambridge University Press, 2007.  
[General Editor] *Collected Works of Rudolf Carnap, Volume 1: Early Writings*. André W. Carus, et al. eds. Chicago and La Salle, IL: Open Court, 2009.  
[edited volume] *Carnap and the Legacy of Logical Empiricism*, Edited by Richard Creath. Vienna: Springer, 2012.  
[General Editor] *Collected Works of Rudolf Carnap, Volume 1: Early Writings*. André W. Carus, et al. eds. Oxford: Oxford University Press. Forthcoming.

### **Publications-Articles:**

"On Kaplan on Carnap on Significance," *Philosophical Studies* (1976) 30:393-400  
"The Root of the Problem," *Linguistics and Philosophy* (1977) 1:273-275  
"A Query on Entrenchment," *Philosophy of Science* (1978) 45:474-477  
"Benacerraf and Mathematical Truth," *Philosophical Studies* (1980) 37:335-40  
"Nominalism by Theft," *American Philosophical Quarterly* (1980) 17:311-18  
"Was Carnap a Complete Verificationist in the Aufbau?," *PSA 1982*, Vol. 1, Peter D. Asquith and Thomas Nickles, eds., (East Lansing, MI: (Philosophy of Science Assn.) 384-393  
"Smart, Salmon and Scientific Realism," *Australasian Journal of Philosophy* (1984) 62:404-409  
"Taking Theories Seriously," *Synthese*, (1985) 62: 317-45

**Publications-Articles:** (cont'd)

- “Carnap's Scientific Realism: Irenic or Ironic?” *The Heritage of Logical Positivism*, Nicholas Rescher, ed., (Lanham, MD: University Press of America, (1985) 117-131
- “Mowing the Grass That's Grue: What Carnap Should Have Said to Goodman,” *Scientific Inquiry in Philosophical Perspective*, Nicholas Rescher, ed. (Lanham, MD: University Press of America, 1987) 281-294
- “The Initial Reception of Carnap's Doctrine of Analyticity”
- *Nous* (1987) 21: 477-499
  - *Philosophy of Quine*, Dagfinn Føllesdal, ed., Vol. 5, (New York City: Garland Press, 2001)
- “Some Remarks on ‘On Protocol Sentences’,” *Nous*, (1987) 21: 471-475
- “The Pragmatics of Observation,” *PSA 1988*, Vol. 1, 149-153
- “Counterfactuals for Free,” *Philosophical Studies*, (1989) 57: 95-101
- “Carnap, Quine, and the Rejection of Intuition,” *Perspectives on Quine*, Robert Barrett and Roger Gibson (eds.), (Oxford: Basil Blackwell, 1990) 55-66
- “Introduction” to *Dear Carnap, Dear Van: The Quine-Carnap Correspondence and Related Work* (Los Angeles: University of California Press, 1990) 1-43
- “Every Dogma Has Its Day”
- *Erkenntnis* (1991) 35: 347-389
  - *Science and Philosophy in the Twentieth Century*, Sahotra Sarkar, ed., Vol. 5, *Decline and Obsolescence of Logical Empiricism: Carnap vs. Quine and the Critics* (New York: Garland Publishing, 1996) 369-41
- “The Unimportance of Semantics”
- *PSA 1990* Vol. 2, Arthur Fine, Micky Forbes, and Linda Wessels, eds., (East Lansing, MI: Philosophy of Science Assn.) 405-416
  - *Science and Philosophy in the Twentieth Century*, Sahotra Sarkar, ed., Vol. 3, *Logic, Probability, and Epistemology: The Power of Semantics* (New York: Garland Publishing, 1996) 389-400
- “Induction and the Gettier Problem,” *Philosophy and Phenomenological Research*, (1992) 52: 401-404
- “Carnap's Conventionalism,” *Synthese* (1992) 93:141-165
- “Functionalist Theories of Meaning and the Defense of Analyticity”, *Language, Logic, and the Structure of Scientific Theories: The Carnap-Reichenbach Centennial*, edited by Wesley Salmon and Gereon Wolters (Pittsburgh: University of Pittsburgh Press, and Konstanz, Germany: University of Konstanz Press, 1994) 287-304
- [Critical Notice] “From Königsberg to Vienna: Coffa on the Rise of Semantics”, *Dialogue* (1995) 34: 113-118
- “Are Dinosaurs Extinct?”
- *Foundations of Science* (1995) 1: 285-297
  - *Machine Discovery*. Edited by Jan M. Zytkow (Dordrecht, Holland: Kluwer, 1997) 285-97
- “The Unity of Science: Carnap, Neurath, and Beyond” *The Disunity of Science: Boundaries, Contexts, and Power*, Peter Galison and David J. Stump, eds., (Stanford, CA: Stanford University Press, 1996), 158-169.
- “Languages Without Logic” *Origins of Logical Empiricism*, Ronald N. Giere and Alan W. Richardson, eds., Vol. XVI of *Minnesota Studies in the Philosophy of Science*, (Minneapolis: University of Minnesota Press, 1996), 251-265.

**Publications-Articles:** (cont'd)

- “Rudolf Carnap” update *The Encyclopedia of Philosophy, Supplement*, (New York: Macmillan, 1996), 69-70.
- “Verifiability Principle”, *The Encyclopedia of Philosophy, Supplement*, (New York: Macmillan, 1996), 578-580.
- “Rudolf Carnap”
- *Routledge Encyclopedia of Philosophy*, Edward Craig, ed., Vol. 2, (London: Routledge, 1998), 208-15
  - [reprinted in part] *Concise Routledge Encyclopedia of Philosophy*, Edward Craig, ed., (London: Routledge, 1999), 123-24.
- “Quine and the Limit Assumption in Peirce’s Theory of Truth” *Philosophical Studies*, (1998) 90:109-112.
- “Carnap’s Move to Semantics: Gains and Losses” in *Alfred Tarski and the Vienna Circle: Austro-Polish Connections in Logical Empiricism*, Jan Woleński and Eckehart Köhler, eds., (Dordrecht, Holland: Kluwer, 1999) 65-76.
- “Introduction” [with Jane Maienschein] *Biology and Epistemology*, New York: Cambridge University Press, 2000, ix-xviii.
- “The Linguistic Doctrine and Conventionality: The Main Argument in ‘Carnap and Logical Truth’”, in *Logical Empiricism in North America*, Alan Richardson, Ronald Giere, and Gary Hardcastle, eds., (Minneapolis: University of Minnesota Press, 2003) 234-56
- “Carnap’s Program and Quine’s Question” in *Carnap Brought Home* (Chicago: Open Court Press, 2004) 279-93
- “Quine on the Intelligibility and Relevance of Analyticity”, in *The Cambridge Companion to Quine*, (New York: Cambridge University Press, 2004) 47-64
- “Postowie” (Translated into Polish by Artur Koterski) in *Empiryzm. Semantyka. Ontologia*. (Warsaw: IFiS PAN, 2005) 73-82
- “BODY WORLDS as Education and Humanism” [with Jane Maienschein] *American Journal of Bioethics*, (2007) 7: 26-27
- “Vienna, the City of Quine’s Dreams”, in *The Cambridge Companion to Logical Empiricism*, (New York: Cambridge University Press, 2007) 332-45
- “Quine’s Challenge to Carnap”, in *The Cambridge Companion to Carnap*, Michael Friedman and Richard Creath, eds. (Cambridge: Cambridge University Press, 2007) 316-35
- “Carnap’s Posthumous Career”, in *The Cambridge Companion to Carnap*, Michael Friedman and Richard Creath, eds. (Cambridge: Cambridge University Press, 2007) xiii-xvii
- “The Apparent A Priori and Four Things to Do About It” in *Naturalism, Reference and Ontology: Essays in Honor of Roger F. Gibson*, Chase B. Wrenn, ed. (New York City: Peter Lang Publishing, 2008) 13-23
- “The Gentle Strength of Tolerance: *The Logical Syntax of Language* and Carnap’s Philosophical Programme”, in *Carnap’s The Logical Syntax of Language*, Pierre Wagner, ed. (Houndsmills, Basingstoke, UK: Palgrave Macmillan, 2009) 203-214.
- “The Role of History in Science”, *Journal of the History of Biology*, (2010) 43:207-214.
- “The Construction of Reason: Kant, Carnap, Kuhn and Beyond” in *Discourse on a New Method*, Michael Dickson and Mary Domski, eds. (Chicago and La Salle, IL: Open Court Publications, 2010) 493-509.
- “Quine’s Epistemology” in *Routledge Companion to Epistemology*, Sven Bernecker and Duncan Pritchard, eds. (London: Routledge, 2010) 786-97.

### **Publications-Articles:** (cont'd)

- “Logical Empiricism” in the *Stanford Encyclopedia of Philosophy* (first published on line, April 4, 2011) <plato.stanford.edu/entries/logical-empiricism/>
- “Logical Empiricism” in the *Stanford Encyclopedia of Philosophy* (substantive revision, September 19, 2011) <plato.stanford.edu/entries/logical-empiricism/>
- “Before Explication”, *Carnap’s Ideal of Explication*, Pierre Wagner, ed., (Houndsmills, Basingstoke, UK: Palgrave Macmillan, 2012) 161-74.
- “Analyticity in the Theoretical Language: Is a Different Account Really Necessary?”, *Carnap and the Legacy of Logical Empiricism*, Richard Creath, ed., (Vienna: Springer, 2012) 65-74.
- “(Anti-)Metaphysics in the Thirties: Why Should Anyone Care Now?”, in *Philosophy of Science in Europe: European Philosophy of Science and the Viennese Heritage*, (Vienna: Springer, 2013) 67-76.
- “Understandability”, *Metascience*, DOI 10.1007/s 11016-015-0022-0, (September 22, 2015), Print: (*Metascience*, 25 (1) (2016) 25-30.
- “The Logical and the Analytic”, *Synthese*, DOI10.1007/s 11229-015-0685-5 (February 24, 2015), Print: *Synthese*, 194(1) (2016), 79-96.
- “Carnap and Ontology: Foreign Travel and Domestic Understanding”, in *Ontology After Carnap*, Stephan Blatti and Sandra Lapointe, eds., (Oxford: Oxford University Press, 2016) 190-199.
- “Logical Empiricism” in the *Stanford Encyclopedia of Philosophy*, (substantive revision, April 5, 2017) <plato.stanford.edu/entries/logical-empiricism/>
- “Metaphysics and the Unity of Science: Two Hundred Years of Controversy”, in *Integrated History and Philosophy of Science: Problems Perspectives, and Case Studies*, Friedrich Stadler, ed., (Vienna: Springer, 2017) 3-15.

### **Publications-Reviews, Reports, etc.:**

- [Report] “A Preliminary File Folder List of the Manuscript Holdings of the Rudolf Carnap Collection” December 20, 1977. Available from Special Collections, Hillman Library, University of Pittsburgh. 42 pp.
- [Abstract] “The Pragmatics of Observation,” Abstracts of the *7th International Congress of Logic, Methodology and Philosophy of Science*, Vol. 3, *Abstracts of Section 6*. (Salzburg, Austria: J. Huttegger OHG, 1983) 46-47
- [Review] Edmund Runggaldier, *Carnap’s Early Conventionalism*, in *Journal of the History of Philosophy* (1986) 24: 430-431
- [Translation] [with Richard Nollan] “On Protocol Sentences,” by Rudolf Carnap, *Nous* (1987) 21: 457-470
- [Abstract] “Carnap’s Engineering Conception of Philosophy” *Abstracts of the 9th International Congress of Logic, Methodology and Philosophy of Science, Vol. 2, General Philosophy of Science* (Uppsala, Sweden: 1991) 124
- [Abstract] “Convention, Neutrality, and the Limits of Logic” in *Journal of Philosophy* (1991) 88: 522-523
- [Review] Gerd Gigerenzer et al., *The Empire of Chance: How Probability Changed Science and Everyday Life*, in *History and Philosophy of the Life Sciences* (1992) 14: 189-190
- [Review] Roberto Torretti, *Creative Understanding: Philosophical Reflections on Physics*, in *Isis* (1992) 83: 373-374

## **Publications-Reviews, Reports, etc.:** (cont'd)

- [Review] Peter Hylton, *Russell, Idealism and the Emergence of Analytic Philosophy*, in *Philosophical Review* (1993) 102: 107-109
- [Review] Danilo Zolo, *Reflexive Epistemology: The Philosophical Legacy of Otto Neurath*, in *Philosophy of Science* (1993) 60:359-360
- [Review] Bruce Aune, *Knowledge of the External World*, in *Mind* (1993) 102:339-40
- [Abstract] "Pursuit of Truce", *10<sup>th</sup> International Congress of Logic, Methodology and Philosophy of Science, Volume of Abstracts* (Florence: Comme di Cesana, 1995) 318
- [Abstract] "The Career of Simplicity in Quine's Philosophy of Science", *11<sup>th</sup> International Congress of Logic, Methodology and Philosophy of Science, Volume of Abstracts*, (Cracow, Poland: Jagiellonian University, 1999) 415.
- [Review] Paolo Parinni et al., *Logical Empiricism*, in *Philosophy of Science* (2004) 71: 623-26.
- [Blog entry] "History as a Part of Science" *Scientia AAAS*, December 17, 2010, <http://www.aaasmember.org/blogs/scientia/history-part-science>
- [Editors note] "Editorial", in *Rudolf Carnap and the Legacy of Logical Empiricism*, (Vienna: Springer, 2012) vii-viii.
- [Web video] "Modernism in the 20<sup>th</sup> Century: Architecture, Design, and More", <http://www.youtube.com/watch?v=r-b1CIVWVXM>
- [Review] Greg Frost-Arnold, *Carnap, Tarski, and Quine at Harvard*, (2014) *Notre Dame Philosophical Reviews*, <http://ndpr.nd.edu/news/46468-carnap-tarski-and-quine-at-harvard-conversations-on-logic-mathematics-and-science/>

## **Presentations:**

- "Nominalism by Theft," California State College, California, PA, November 17, 1977
- "Some Approaches to Scientific Realism," University of Pittsburgh, May 5, 1978
- "Was Carnap a Complete Verificationist in the Aufbau?" Philosophy of Science Association Meeting, October 31, 1982
- "The Pragmatics of Observation," 7th International Congress of Logic, Methodology and Philosophy of Science, Salzburg, Austria, July 13, 1983
- "Carnap's Scientific Realism: Irenic or Ironic?"
- The Heritage of Logical Positivism, a conference sponsored by the Center for Philosophy of Science, University of Pittsburgh, Pittsburgh, PA 15260, December 16-17, 1983
  - University of Connecticut, Storrs CT, February 23, 1984, Philosophy Department Colloquium
  - Virginia Polytechnic Institute and State University, Blacksburg, VA, March 12, 1984, Philosophy Department Colloquium
- "Why Should We Trust Our Senses," Arizona Philosophers Conference, Northern Arizona University, Flagstaff, AZ, October 12-13, 1984
- "Carnap and Intuition," History of Science Society Meeting, Bloomington, IN, October-November 1985
- "Mowing the Grass That's Grue: What Carnap Should Have Said to Goodman," Twenty-fifth Anniversary Celebration, Center for Philosophy of Science, University of Pittsburgh, Pittsburgh, PA, December 12-14, 1985

**Presentations:** (cont'd)

- Comments on "Image and Logic: Two Traditions in Modern Physics," by Peter Galison,  
Columbia History of Science Group, Friday Harbor, WA, April 17, 1986
- "Every Dogma Has Its Day"
- Philosophy Colloquium, Stanford University, May 5, 1987
  - Philosophy Colloquium, Indiana University, October 1989
- "Carnap, Quine, and the Rejection of Intuition", Perspectives on Quine Conference, St.  
Louis, April 10, 1988
- "The Pragmatics of Observation," Philosophy of Science Association Meeting, October 28,  
1988
- "Some Scepticism About 'Scepticism'", APA Pacific Division Meeting, March 25, 1989
- "Carnap's Hilbertization of Science," Minnesota Center for Philosophy of Science, June 2,  
1989
- "The Unimportance of Semantics," Philosophy of Science Association Meeting, October 21,  
1990
- "Carnap's Engineering Conception of Philosophy"
- History of Science Society Meeting, October 26, 1990
  - Knox College, Galesburg, Illinois, November 9, 1990
  - Grinnell College, Grinnell, IA, November 12, 1990
  - Northern Arizona University, Flagstaff, AZ, February 8, 1991
  - University of Minnesota, Minneapolis, MN, February 15, 1991
  - 9th International Congress of Logic, Methodology and Philosophy of Science,  
Uppsala, Sweden, August 12, 1991
- "The Good Doctor," APA Pacific Division Meeting, San Francisco, March 29, 1991
- "The Unity of Science," Conference on Disunity and Contextualism, Stanford University,  
Stanford, CA, March 31, 1991
- "Non-Euclidian Geometry and Einstein's General Theory of Relativity"
- Flagstaff Home Educators, Flagstaff, AZ, April 9, 1991
  - Great Minds Series, Mesa, AZ, April 11, 1991
- "Functionalist Theories of Meaning and the Defense of Analyticity," Carnap-Reichenbach  
Centennial Celebration, University of Konstanz, Konstanz, Germany, May 23, 1991
- "Carnap's Conventionalism"
- Carnap-Reichenbach Celebration, UCLA, Los Angeles, CA, October 19, 1991
  - Boston Colloquium in the Philosophy of Science, Boston University, Boston, MA,  
October 22, 1991
- "Convention, Neutrality, and the Limits of Logic," Invited symposium, APA Eastern  
Division Meeting, New York City, December 28, 1991
- "Why History?," APA Pacific Division Meeting, San Francisco, March 27, 1993
- "Logic and Analyticity in Logical Syntax," University of Minnesota, Minneapolis, MN,  
October 23, 1993
- "Carnap and Quine," University of Puget Sound, Tacoma, WA, March 9, 1995
- "Are Dinosaurs Extinct?"
- Philosophy Colloquium, University of Washington, Seattle, WA, March 10, 1995
  - Philosophy Colloquium, Oregon State University, Corvallis, OR, October 20, 1995
- "Popper's Philosophy of Science," panel discussion, conference Oregon State University,  
Corvallis, OR, October 13, 1995



**Presentations:** (cont'd)

“Pursuit of Truce,”

- 10th International Congress of Logic, Methodology, and Philosophy of Science, Florence, Italy, August 20, 1995
- Washington University, St. Louis, MO, September 27, 1996
- Carnap Workshop, Flagstaff, Arizona, October, 1996
- Department Colloquium, Philosophy Department, UCSD, San Diego, CA, April 18, 1997
- Philosophy Department/Committee on History and Philosophy of Science Colloquium, University of Maryland, College Park, MD, April 23, 1999

“Philosophy as Engineering” Columbia History of Science Group, Friday Harbor, WA, February 17, 1996

“Author Meets Critics: Coffa” with Warren Goldfarb and Clark Glymour, APA Central Division Meeting, Chicago, April 26, 1996

“Competing Epistemologies in Biology” Dibner History of Science Seminar, Marine Biological Laboratory, Woods Hole, MA, August 5-9, 1996

“Carnap’s Move to Semantics: Gains and Losses”, conference on Alfred Tarski and the Vienna Circle, Vienna, Austria, July 12, 1997

“The Linguistic Doctrine and Conventionality: The Main Argument in ‘Carnap and Logical Truth’”, conference on Logical Empiricism in North America, Harvard University, Cambridge, MA, June 1997.

“The Career of Simplicity in Quine’s Philosophy of Science”

- 11<sup>th</sup> International Congress of Logic, Methodology, and Philosophy of Science, Cracow, Poland, August 1999
- Philosophy of Science Association Biennial Meeting, Vancouver, BC, Canada, November 2, 2006

“The Arc of an Argument”

- Department Colloquium, Department of History and Philosophy of Science, Indiana University, Bloomington, IN, April 2000
- Department Colloquium, Department of Logic and Philosophy of Science, University of California at Irvine, Irvine, CA, October 6, 2000

“The Apparent A Priori and Four Things to Do About It:

- Hopos 2000: Third International History of Philosophy of Science Conference, Vienna, July 9, 2000
- Hans Reichenbach Conference in Philosophy of Science, Washington University, St. Louis, MO, October 11, 2001
- Dibner Institute Colloquium, MIT, Cambridge, MA, February 12, 2002
- Department Colloquium, Department of Philosophy, University of Colorado, Boulder, CO, April 22, 2002

“Vienna, the City of Quine’s Dreams”, Conference on The Vienna Circle and Logical Empiricism, Vienna, July 13, 2001

“Carnap’s Program and Quine’s Question”, Conference: Rudolf Carnap – From Jena to L.A., The Roots of Analytic Philosophy, Jena, Germany, September 29, 2001

“Kraut on Carnap on Ontology”, APA Central Division Meeting, Chicago, April 25, 2002

**Presentations:** (cont'd)

- “Turning Point: Quine’s Indeterminacy of Translation at Middle Age”
- Department Colloquium, Department of Philosophy, UCSD, San Diego, CA, May 30, 2003
  - Austin and Hempel Lecture, Dalhousie University, Halifax, Nova Scotia, December 10, 2004
  - Department Colloquium, Department of Philosophy, Arizona State University, Tempe, AZ, Spring 2005
  - Colloquium, Minnesota Center for Philosophy of Science, University of Minnesota, Minneapolis, MN, May 5, 2006
  - Department Colloquium, Department of Philosophy, Indiana-Purdue, Fort Wayne, IN, December 7, 2006
  - Department Colloquium, Philosophy Department, University of St. Andrews, St. Andrews, Scotland, March 12, 2014
  - Society for the Study of the History of Analytic Philosophy, Montreal, Canada, May 23, 2014
- “On the Future of the Profession” Southwest Colloquium in the History and Philosophy of Biology, Austin, TX, March 6, 2004
- “The Unity of Quine’s Argument Against Analyticity”, Philosophy Department, University of British Columbia, Vancouver, BC, April 1, 2004.
- “Quine’s Naturalism and Metaphysics” as official opponent in doctoral defense, Philosophy Department, University of Helsinki, Helsinki, Finland, June 12, 2004
- “On Oral History”, 5<sup>th</sup> International History of the Philosophy of Science (HOPOS) Conference, San Francisco, CA, June 26, 2004
- “Interdisciplinarity”, Future Directions for the International Society for the History, Philosophy, and Social Studies of Biology, San Francisco, CA, September 24, 2004.
- “The Construction of Reason: Kant, Carnap, Kuhn and Beyond”
- Conference: Synthesis and the Growth of Knowledge, Columbia, SC, October 3, 2004
  - Philosophy Department, University of British Columbia, Vancouver, BC, November 5, 2004
  - Austin and Hempel Public Lecture, Dalhousie University, Halifax, Nova Scotia, December 10, 2004
- “Scientific Revolutions and Those Who Made Them: Galileo”, President’s Community Enrichment Program, Arizona State University, Scottsdale, AZ, February 1, 2005
- “Scientific Revolutions and Those Who Made Them: Einstein”, President’s Community Enrichment Program, Arizona State University, Scottsdale, AZ, February 15, 2005
- “The Future of the History and Philosophy of Biology”, Panel Discussion, Southwest Colloquium in the History and Philosophy of Biology, University of California, Davis, CA, April 1, 2006
- “The Gentle Strength of Tolerance: How *The Logical Syntax of Language* Produced a Positive Philosophic Program”
- Colloquium on Carnap and *The Logical Syntax of Language*, Institut d’Histoire et de Philosophie des Sciences et des Techniques, Université Paris 1, Paris, France, October 7, 2005
  - Colloquium, Logic Group and Philosophy Department, Indiana University, Bloomington, IN, December 8, 2006

**Presentations:** (cont'd)

- “Logic and Analyticity”, Invited Lecture, Workshop on Rudolf Carnap, GAP.6 (Sixth International Conference of the German Society for Analytic Philosophy), Freie Universität Berlin, Berlin, Germany, September 15, 2006
- “Galileo: Science and Religion”, Tempe Science Connection, Tempe Public Library, Tempe, AZ, February 6, 2007
- “Cassirer’s History of Hope” Biennial Meeting of the International Society for the History, Philosophy, and Social Studies of Biology, Exeter, United Kingdom, July 28, 2007
- “Mathematical Objects and Mathematical Knowledge” ASU Math Club, November 2008
- Participant, Digital HPS Summit, Marine Biological Laboratory, Woods Hole, MA, April 24-5, 2009
- “Before Explication”
- Keynote Address, Early Analytic Philosophy 6, Indiana-Purdue, Fort Wayne, IN, April 17, 2009
  - Carnap’s Ideal of Explication: Logic, Metalogic, and Wissenschaftslogik, Pantheon-Sorbonne, Paris, May 14, 2009
- “The Role of Theory” MBL-ASU Seminar in History of Biology, Marine Biological Laboratory, Woods Hole, MA, May 21, 2009
- “The Role of History in Science”, International Society for the History, Philosophy, and Social Studies of Biology Biennial Meeting, Brisbane, Australia, July 13, 2009
- “Simplicity as a Theoretical Virtue: Quine (and Carnap)”, University of Western Ontario, London, Ontario, Canada, April 8, 2010
- “Problems and Changes in Quine’s Discussion of Simplicity”, HOPOS (History of the Philosophy of Science), Central European University, Budapest, Hungary, June 26, 2010
- “Analyticity in the Theoretical Language: Is a Different Account Really Necessary?”, Carnap and the Legacy of Logical Empiricism, Vienna Circle Institute, Vienna, Austria, June 28, 2010
- “Carnap Then and Now”, Keynote Talk, Early Analytic Philosophy Workshop, Soochow University, Taipei, Taiwan, December 16, 2010
- “Carnap’s *Aufbau* and Quine’s Objection”
- Keynote Address 2010 Early Analytic Philosophy Conference VII, Soochow University, Taipei, Taiwan, December 16, 2010
  - HPS Workshop presentation, Institute for the History and Philosophy of Science and Technology, University of Toronto, March 2, 2011
  - Society for the Study of the History of Analytic Philosophy, Indiana University, Bloomington Indiana, May 11, 2013
- “Remarks on Research and Teaching” President’s Professors and Regent’s Professors Ceremony, Arizona State University, Tempe, AZ, February 17, 2011
- “Issues in Open Access for Recent Materials” Digital HPS Workshop, Cal Tech, Pasadena, CA, April 14, 2011
- “Carnap and Ontology: Foreign Travel and Domestic Understanding”
- Society for the Study of Analytical Philosophy (Group Meeting), American Philosophical Association, Pacific Division, San Diego, CA, April 23, 2011
  - Department Colloquium, University of Sterling, Sterling, Scotland, March 13, 2014
  - Department Colloquium, University of British Columbia, Vancouver, BC, Canada, October 2, 2015
- “Carnap’s Linguistic Pluralism in Observation and Theory”, 14<sup>th</sup> International Congress for Logic, Methodology and Philosophy of Science, Nancy, France, July 22, 2011

**Presentations:** (cont'd)

- “Metaphysics in the Thirties: And Why Should Anyone Care Now?”
- European Philosophy of Science and the Viennese Heritage, Institute Vienna Circle, Vienna, Austria, December 5, 2011
  - Society for the Study of Analytical Philosophy, McMaster University, Hamilton, Ontario, Canada, May 25, 2012
- “Galileo and the Church”, President’s Community Enhancement Program, Scottsdale, AZ, January 23, 2012
- “On the Methodological and Conceptual Foundations of Systems Biology”, What’s New about Systems Biology?, International Society for the History, Philosophy, and Social Studies of Biology Off-Year Workshop, Seattle Biomedical Research Institute, Seattle, WA, August 16, 2013
- “Carnap’s Breath of Fresh Air”, Carnap and Kuhn Conference, Center for the Philosophy of Science, University of Pittsburgh, Pittsburgh, PA, October 21, 2012
- “The Menace of Magisteria”
- ASU Philosophy Graduate Student Conference, ASU Tempe, AZ, April 6, 2013
  - International Society for the History, Philosophy and Social Studies of Biology, Montpellier, France, July 10, 2013
- “Sustainability and Values, Epistemic and Otherwise”, MBL-ASU Seminar in History of Biology, Marine Biological Laboratory, Woods Hole, MA, May 16, 2013
- “The Logical and the Analytic”, Carnap on Logic Workshop, Munich Center for Mathematical Philosophy, Munich, Germany, July 4, 2013
- “Global Architecture and the Modern World”, Global Classroom, ASU, September 25, 2013
- “Metaphysics and the Unity of Science: Two Hundred Years of Controversy” Integrated History and Philosophy of Science 5, Vienna, Austria, June 26, 2014
- “Modernism in the 20<sup>th</sup> Century”, Global Classroom, ASU, September 25, 2014
- “Science and Religion: Galileo and Gould”, Friendship Village of Tempe, October 13, 2014
- “Science and Religion: Galileo and Astronomy” Tempe Preparatory Academy, Nov.12, 2014
- “Understandability”, American Philosophical Association, Pacific Division Meeting, Vancouver, BC, Canada, April 2, 2015
- “Can the Platonist and the Nominalist Both be Right?”, Society for Exact Philosophy, McMaster University, Hamilton Ontario, Canada, May 23, 2015
- “Evolution as Involving Laws and Inconceivable Without Them”, International Society for the History, Philosophy, and Social Studies of Biology, Montreal, Quebec, Canada, July 8, 2015
- “Carnap, Quine, and Convention”, Plenary Lecture, Society for the Study of Analytic Philosophy, Denver, CO, June 16, 2016
- “What are the Prospects for Analyticity?”, HOPOS (History of the Philosophy of Science), Minneapolis, MN, June 24, 2016

**Referee For:**

*Journal of Philosophical Logic*  
*Philosophy of Science*

**Referee For:** (cont'd)

*Linguistics and Philosophy*  
*Journal of the History of Philosophy*  
*Philosophical Studies*  
*Nous*  
National Science Foundation  
*Erkenntnis*  
Cambridge University Press  
Oxford University Press  
University of Chicago Press  
*Isis*  
*Synthese*  
*Philosophy and Phenomenological Research*  
*Journal of Philosophical Research*  
Wadsworth Publishing Company  
*Australasian Journal of Philosophy*  
*Dialogue*  
*Mind*  
Fonds québécois de la recherche sur la société et la culture  
National Endowment for the Humanities  
Der Wissenschaftsfonds (Austrian National Research Foundation)  
*Perspectives in Science*  
*Grazer Philosophische Studien*  
*Perspectives on Science*  
*HOPOS: The Journal of the International Society for the History of the Philosophy of Science*  
*Theoria*  
*Philosophical Quarterly* (St. Andrews)  
*South African Journal of Philosophy*  
*Journal of Philosophy*

**Professional Memberships:**

Philosophy of Science Association  
American Philosophical Association  
Society of Exact Philosophy  
Center for Philosophy of Science, University of Pittsburgh  
Columbia History of Science Group  
History of Science Society  
Vienna Circle Institute  
International Society for the History, Philosophy, and Social Studies of Biology  
American Association for the Advancement of Science  
Marine Biological Laboratory, MBL Society Member  
International Society for the History of Philosophy of Science  
Society for the Study of the History of Analytical Philosophy

**Graduate Students:** (cont'd)

1989	Ph.D.	Thomas Oberdan, Indiana University, History and Philosophy of Science Department, Co-director
1991	Ph.D.	Justin Coven, ASU, Computer Science, Committee Member
1991	M.A.	Nancy Schaffer, ASU, Philosophy, Committee Member
1991	M.A.	William Berge, ASU, Philosophy, Director
1991	M.A.	Anthony Brichetto, ASU, Philosophy, Director
1993	M.A.	Nicholas Biermeier, ASU, Philosophy, Committee Member
1993	M.A.	W. R. Payne, ASU, Philosophy, Director
1994	M.A.	James Hitt, ASU, Philosophy, Director
1995	M.A.	David Denman, ASU, Philosophy, Committee Member
1995	M.A.	Sean O'Connor, ASU, Philosophy, Committee Member
1995	M.A.	Jeff Mehrens, ASU, Philosophy, Director
1995	M.A.	Sean Yocham, ASU, Philosophy, Director
1997	M.A.	Kent Van Cleave, ASU, Philosophy, Committee Member
1999	M.A.	Theodore Belledin, ASU, Philosophy, Committee Member
1999	M.A.	Herbert Hilbig, ASU, Philosophy, Director
2000	M.A.	Jason Decker, ASU, Philosophy, Director
2000	M.A.	Grant Dowell, ASU, Philosophy, Committee Member
2000	M.A.	Kevin Turgeon, ASU, Philosophy, Director
2000	M.A.	Rodney Gomez, ASU, Philosophy, Committee Member
2001	M.A.	Claudia Bachmann, ASU, Philosophy, Director
2001	M.A.	Joseph Sophy, ASU, Philosophy, Committee Member
2003	M.A.	John Stopples, ASU, Philosophy, Director
2004	Ph.D.	Heikki J. Koskinen, University of Helsinki, Philosophy, Opponent
2006	M.A.	Darin Harootunian, ASU, Philosophy, Committee Member
2008	M.S.	Mia McNulty, ASU, Biology and Society, Director
2008	M.S.	Mallory Feng, ASU, Biology and Society, Committee Member
2008	Ph.D.	Lydia Pyne, ASU, Biology and Society, Committee Member
2008	Ph.D.	Mary Sunderland, ASU, Biology and Society, Committee Member
2008	Ph.D.	Mathew Cooper, ASU, Philosophy, Director
2009	M.A.	Stephen Elliott, ASU, Philosophy, Director
2009	M.A.	Michael Gifford, ASU, Philosophy, Director
2010	M.S.	Nicole Newkirk, ASU, Biology and Society, Committee Member
2011	Ph.D.	Gerald Marsh, ASU, Philosophy, Committee Member
2012	Ph.D.	Scott Scheall, ASU, Philosophy, Director
2013	Ph.D.	Alexander Novack, ASU, Philosophy, Committee Member
2013	Ph.D.	Majid Davoody Beni, Iranian Institute of Philosophy, Teheran, Iran, Director
2013	Ph.D.	Nate Johnson, ASU, Biology and Society, Committee Member
2013	M.S.	Nicholas Zautra, ASU Biology and Society, Committee Member
2013	Ph.D.	Lijing Jaing, ASU Biology and Society, Committee Member
2014	Ph.D.	Karen Wellner, ASU Biology and Society, Committee Member
2014	Ph.D.	Noah Friedman-Biglin, U. of St. Andrews, External Examiner
2014	M.A.	Michael Elmer, ASU Philosophy, Director
2014	Ph.D.	Julia Damerow, ASU Biology and Society, Committee Member
2014	Ph.D.	Mark Ulett, ASU Biology and Society, Committee Member
2014	M.A.	Shea Musgrave, ASU Philosophy, Director
2015	Ph.D.	Erick Pierson, ASU Biology and Society, Committee Member

**Graduate Students:** (cont'd)

- 2015 Ph.D. Christopher French, University of British Columbia, Philosophy, Committee Member
- 2016 Ph.D. Wesley Anderson, ASU History and Philosophy of Science, Committee Member
- 2016 Ph.D. Valérie Racine, ASU Biology and Society, Committee Member
- 2016 Ph.D. Yawen, Zou, ASU Biology and Society, Committee Member
- 2017 Ph.D. Steve Elliott, ASU Biology and Society, Co-Director
- 2017 Ph.D. Kate MacCord, ASU History and Philosophy of Science, Committee Member