

**BAS C. VAN FRAASSEN**  
**Curriculum Vitae**

*Last updated 5/4/2018*

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**BAS C. VAN FRAASSEN**  
**Curriculum Vitae**

**I. PERSONAL AND ACADEMIC HISTORY**

Date of Birth: 5 April 1941  
Citizenship: Canadian and USA  
Place of Birth: Goes, The Netherlands

**List of Degrees Earned**

B.A. (hon.), Philosophy, University of Alberta, 1963  
M.A., Philosophy, University of Pittsburgh, 1964  
Ph.D., Philosophy, University of Pittsburgh, 1966

**Title of Ph.D. Thesis**

"Foundations of the Causal Theory of Time"

**Supervisor of Ph.D. Research:**

Professor A. Grünbaum, Center for Philosophy of Science,  
University of Pittsburgh, Pittsburgh, PA 15260, U.S.A.

**Positions held**

Visiting Assistant Professor, West Virginia University, 1966, Spring Term.  
Assistant Professor, Yale University, 1966-68.  
Associate Professor, Yale University, 1968-69.  
Visiting Associate Professor, Indiana University, 1968-69.  
Associate Professor, University of Toronto, 1969-73.  
Professor, University of Toronto, 1973-January 1982.  
Professor, University of Southern California, 1976-1981.  
Visiting Professor, Princeton University, 1981 Spring Term.  
Professor, Princeton University, Spring term, 1982-1998  
McCosh Professor of Philosophy, Princeton University, 1998 -2008  
McCosh Professor of Philosophy, Emeritus Princeton University, 2008 -  
Distinguished Professor of Philosophy, San Francisco State University, 2008 -

**Invited lectures and lecture series**

[1970]

University College, London; Jan-Feb 1971, Course of four lectures, "Truth and Paradoxes".

University of Adelaide, Australia; Ap-May 1974, Course of four lectures, "Conditionals and Probability"

University of Western Ontario, Sept-Dec 1976. Course of seven lectures, "Scientific Realism and

Probability".

Enrico Fermi Institute, Varenna, Jul-Aug 1977. Course of five lectures, "Foundations of Probability".  
Wichita State University, Jan 1979. Course of five lectures, "Scientific Realism".  
Princeton University, May 1979. Course of three lectures, "The Scientific Image".

[1980]

University of Western Ontario, Sep-Dec 1980. Course of seven lectures, "Probability and Semantics".  
Instituto de Investigaciones Filosóficas, Mexico City, Aug 1985. Course of three lectures, "Empiricism and Philosophy of Science".  
Center for Philosophy of Science, University of Minnesota, March and May 1986. Course of five lectures, "Semantic Approach to Theories".  
International Center for Theoretical Physics, Trieste, Oct 1989. Course of four lectures, "Foundations and Interpretation of Probability".

[1990]

University of California at Davis, Oct-Dec 1990. Course of six lectures, "Epistemology of science".  
Monash University, August 1993. Course of four lectures, "Empiricism".  
Ernan J. McMullin Perspectives Series Lecturer, University of Notre Dame, October 1994.  
James B. and Grace J. Nelson Philosopher in Residence, University of Michigan, October 1994.  
The 1995 Immanuel Kant Lectures, Stanford University, April 1995.  
Closing Plenary Lecture, International Congress of Logic, Methodology and Philosophy of Science, Florence, August 1995.  
Collège de France, Invited Lecture, Dec. 1997, "What is empiricism and what could it be?"  
Alberto Coffa Lecturer, Indiana University, Sept 98, "Science as Representation"  
Lansdowne Lecturer, University of Victoria (Canada), Nov. 1998.  
Don Shula Lecturer, John Carroll University, March 1998, "What Is Empiricism, and What Could It Be?"  
Lawrence University, Oct. 1999 The Stevens Lecture, "Scientific Revolution/Conversion as a Philosophical Problem"  
Yale University, October 1999 the Dwight H. Terry Lectures  
University of Louvain-la-Neuve, Nov-Dec. 1999 the Cardinal Mercier Chair

[2000]

American Philosophical Association, Pacific Division, April 2000; Symposium "*The Scientific Image Twenty Years After*"  
St. Lawrence University, April 2001; The MacKay Lecture  
University of Dundee, April 2001; Conference: *van Fraassen's Philosophy of Science*  
University of Durham, May 2001; Royal Institute of Philosophy Lecture  
University of Oxford, April-June 2001, The Locke Lectures  
University College Dublin, October 2001, The Agnes Cuming Lectures (jointly with Ernan McMullin)  
Carnegie-Mellon University, Pittsburgh, February 2002, The Ernest Nagel Lectures  
University of Oklahoma, October 2002, The David Ross Boyd Lectures  
Fordham University, March 2003, The Suarez Lecture  
CNRS/Ecole Polytechnique, Paris May 2003, Colloque : Bas van Fraassen, *The Empirical Stance*  
University of Hamburg, June 2003, The Carl Friedrich von Weizsäcker Lectures on Philosophy and

Physics

American Philosophical Association, Pacific Division, March 2004. Symposium: *The Empirical Stance*.

University of California, Santa Cruz, May 2004. Presidential Chair Lecture Series on Science and Philosophy.

Canadian Society of History and Philosophy of Science, May 2004. The Stillman Drake Lecture. St. Olaf College, January 2005, The Belgum Lectures

University of Toronto, October 2007. The Wiegand Lecture

American Philosophical Association, Eastern Division, December 2007. The Carus Lectures.

Katholieke Universiteit Leuven. December 2008. Eredoktoraat Lezing

University of Uppsala. June 2009. The Hägerström Lectures

University of California at Berkeley, September 2009. The Townsend Lectures.

[2010]

University of Miami, March 2010, The Stanford Lectures

University of California at Los Angeles, October 2010, The Reichenbach Lecture.

University of Coruna, Spain. El Planteamiento de Bas van Fraassen, March 2011.

University of Quebec in Montreal, The Leblanc Lectures, April 2012.

Hamline University, The Hanna Lectures, April 2013.

Western University, The Rotman Lectures, April 2014.

## List of Honors, Prizes

Lieutenant-Governor's Gold Medal, Alberta, 1963.  
 MacEachren Gold Medal in Philosophy, Alberta, 1963.  
 Woodrow Wilson Fellowship, 1963-65.  
 Andrew Mellon Fellowship, 1965-66.  
 Woodrow Wilson Dissertation Fellowship, 1965-66.  
 John Simon Guggenheim Memorial Fellowship, 1970-71.  
 University of Toronto Humanities Grant, 1975-76.  
 Connaught Senior Leave Fellowship, Fall term, 1979.  
 Honorary Research Fellow, University College, London, 1979.  
 Co-winner, Franklin J. Matchette Prize for Philosophical Books, 1982.  
 Distinguished Alumnus Award for Excellence, University of Pittsburgh, 1984.  
 Co-winner, Imre Lakatos Award for 1986.  
 Howard T. Behrman Award for Distinguished Achievement in the Humanities, 1995  
 Foreign Member, Koninklijke Nederlandse Akademie van Wetenschappen  
 (Royal Netherlands Academy of Arts and Sciences); elected 1995.  
 Fellow, American Academy of Arts and Sciences, elected 1997.  
 University of Lethbridge, Doctor of Letters, honoris causa 1999.  
 All Souls College, Oxford, Visiting Fellow and Locke Lecturer, 2000.  
 University of Notre Dame, Doctor of Law, honoris causa, 2001.  
 Magdalen College, Oxford, Visiting Fellow, 2003.  
 Katholieke Universiteit Leuven (Belgium), Doctor of Philosophy, honoris causa, 2008.  
 Titular Member, Académie Internationale de Philosophie des Sciences, elected 2008.  
 Corresponding Fellow, The British Academy, elected 2008.  
 International Giulio Preti Prize (Tuscany), 2009.  
 The Hempel Award, Philosophy of Science Association 2012.  
 Honorary Presidency, XI International Ontology Congress, San Sebastian 2014.

## Research Grants

1967-69	NSF Research Grant.
1969-70	Canada Council Research Grant.
1971-74	Canada Council Research Grant.
1974-76	Canada Council Research Grant.
1976-78	Canada Council Research Grant.
1978-80	National Science Foundation: "Rational Belief Change and Scientific Inference".
1980-82	National Science Foundation: "An Empiricist Account of Probability Judgments and Theory Acceptance".
1982-1983	National Science Foundation Senior Research Grant.
1984-1986	National Science Foundation "The Problem of Identical Particles"
1986-1987	National Science Foundation Senior Research Grant "Laws of Nature and Laws of Physics".
1988-1989	National Science Foundation "Interpretation of Probability in Physics."
1989-1990	National Science Foundation "A Theory of Vague Expectation."

1999-2000	National Endowment for the Humanities, "The Prospect for Empiricism in Contemporary Philosophy"
2003-2004	Center for Advanced Study in the Behavioral Sciences, Stanford "Representation and Perspective in Science"
2006-2007	National Science Foundation, SES Award 549002 "Scientific Representation: Paradoxes of Perspective"
2010-2013	Co-PI, National Science Foundation, SES Award 1026183 "Making Sense of Modeling and Experimenting: Beyond Representation"

### Non-Academic Publications

- "The Next Song" (story), The Fiddlehead Number III (Fall 1976).  
 "Picture Yourself a Philosopher" (brochure -- with S. Alcalay), USC Graphics, May 1978.  
 "Walk to a Dead End" (story), Eros, Summer issue, 1979.  
 "St. Xaviera" (story), Poetic License, 1979.  
 "The Game" (Story), Corona, 1981.  
 "La Città Invisibile/The Invisible City", in L. Mazza (ed.), catalogue of the Milan Triennale Exhibition. Milano: ElectaS.p.a., 1988.

## II. PROFESSIONAL ACTIVITIES

### Conference Organizing Committees

1. Conference on Recent Research in Logic and Language , University of Toronto, April 1970.
2. Conference on the Philosophy and Foundations of Physics, Penns. State University, Sep. 1971.
3. Philosophy of Science Association Biennial Meeting Michigan State University, Oct. 1972.
4. Society for Exact Philosophy Annual Meeting, University of Toronto, March 1973.
5. Society for Exact Philosophy Annual Meeting, McGill University, Montreal, June 1979.
6. Workshop on Quantum Logic, Erice (Sicily), December 1979.
7. American Philosophical Association, Eastern Division, Program Committee for 1981.
8. Symposium on Modern Physics, Joensuu, Finland, June 1985.
9. Conference on Statistics in Science, Luino, Italy, June 1988.
10. Symposium on Modern Physics, Joensuu, Finland, June 1990.
11. Symposium on the Interpretation of Quantum Theory, New York, April 1992.
12. "Seven Perspectives on Literature" Philosophy and Literature Conference, Princeton, Nov., 1992
13. Philosophy of Quantum Mechanics Conference, Princeton University, May 1993.
14. Princeton-Rutgers Joint Conference on the Relations between Epistemology and Philosophy of Science (co-organizer with Dean Richard Foley) May 1994.
15. Princeton-Rutgers Joint Conference on Gravity And The Quantum. May 1998.
16. Princeton-Oxford Philosophy of Physics Conference, Princeton May 2002.
17. Evert J. Beth Symposium, Netherlands Academy of Arts and Sciences, Sept. 2008.
18. SFSU, Workshop "The Experimental Side of Modeling", San Francisco, March 2009
19. SFSU, Workshop "The Experimental Side of Modeling", San Francisco, March 2010
20. International Academy for the Philosophy of Science (AIPS) Conference, Louvain-la-Neuve,

April 2011

### Editorial Positions

1. Review Staff, *Zentralblatt fur Mathematik*, 1968-70.
2. Editorial Board, *Erkenntnis*, 1974- .
3. Editor-in-Chief, *Journal of Philosophical Logic*, 1971-77.
4. Member, Board of Referees, *Philosophical Research Archives*, 1975-89.
5. Member, Board of Editors, *Philosophical Studies*, 1977-82.
6. Member, Executive Committee, *Journal of Philosophical Logic*, 1977-89. Member, Editorial Board, 1989-.
7. Member, Board of Consulting Editors, *Epistemologia*, 1978- .
8. Member, Editorial Board, *University of Western Ontario Studies in the Philosophy of Science*, 1979-97.
9. Member, Editorial Executive, *Pacific Philosophical Quarterly*, 1979-1989.
10. Consulting Editor, Reviewing Advisory Board, *Journal of Symbolic Logic*, 1980-82.
11. Editorial Board, *Topoi*, 1980- .
12. Editorial Board, *Humanities in Society*, 1980-1988.
13. Editorial Board, *Philosophy of Science*, 1981-1999 (renewed 1994).
14. Joint Editor, *Journal of Symbolic Logic*, 1983-1986.
15. Consulting Editor, *Journal of Semantics*, 1982-86.
16. Nominating editor, *The Philosopher's Annual*, 1986-1995.
17. Joint editor, *Journal of Symbolic Logic*, 1986-1989.
18. Member, Editorial Board, *Foundations of Physics Letters*, 1988-2006.
19. Member, Board of Advisors, *The Cambridge Dictionary of Philosophy*, 1988 -.
20. Joint Guest Editor of first issue of new journal, and member, Editorial Board, *Foundations of Science*, 1993-
21. Member, Editorial Advisory Board, *Studies in History and Philosophy of Modern Physics*, 1995-
22. Member, Editorial Advisory Board, *Theoria* (Spain), 1996-
23. Member, Editorial Board, *Studies in the History and Philosophy of Science*, 1998-
24. Member, Editorial Board, *Logic, Epistemology And The Unity Of Science*, 2003 -
25. Member, Editorial Board, *Contemporary Pragmatism*, 2003 -
26. Member, Advisory Board, *Representaciones*, 2005-
27. Member, Editorial Board, *Foundations of Physics* 2006 – 2013.
28. Member, Advisory Board, *Abstracta* 2007-
29. Member, Editorial Board, *Tijdschrift voor Filosofie* 2008-
30. Member, Editorial Board, *European Journal for Philosophy of Science*, 2009-.
31. Member, Advisory Editorial Board, *Metatheoria. Revista de Filosofía e Historia de la Ciencia*, 2009 –
32. Member, Scientific Board, *Humana Mente*, 2010 -
33. Member, Editorial Advisory Board, *Versita Open Access*, 2012 -

### Other Professional Activities

1. Secretary, *Society for Exact Philosophy*, 1972-74.

2. Governing Board, *Philosophy of Science Association*, 1975-76.
3. President, *Society for Exact Philosophy*, 1976-78.
4. Scientific Secretary, *Summer School on Foundations of Physics*, Enrico Fermi Institute (Varena, Italy), 1977.
5. Chairman, Program Subcommittee on Philosophical Logic, *Sixth International Congress of Logic, Methodology and Philosophy of Science*, Hannover, 1979.
6. Member, Council of the *Association for Symbolic Logic*, 1978-81.
2. Member Advisory Panel, History and Philosophy of Science Program, *National Science Foundation* 1979-1982.
3. Eastern Division Representative, *American Philosophical Association*, 1983-1986.
4. Assessor, Division of Logic, Methodology, and Philosophy of Science, *International Union for History and Philosophy of Science*, 1983-1987.
5. Member of U.S. National Committee, *International Union for History and Philosophy of Science* 1984-1987.
6. Chairman, Committee on Committees, *American Philosophical Association*, 1985.
7. Member, Liaison subcommittee, *American Philosophical Association - Philosophy of Science Association*, 1985-86.
14. Member, Ministerial commission on philosophical research in the Netherlands, Netherlands Ministry of Education, 1986/87.
15. Member, Board of Advisors, *The Cambridge Dictionary of Philosophy*, 1988 -.
16. Member of Governing Board, *Evert Willem Beth Stichting* (The Netherlands), 1989-.
17. President, *Philosophy of Science Association*, 1990-1992.
18. Member, Governing Board, *Philosophy of Science Association*, 1992-1994.
19. Member, Advisory Committee to the Program Committee, Eastern Division, *American Philosophical Association*, 1996-9.
20. Member, Oxford-Princeton Philosophy of Physics Project, 2001-
21. Member, QANU committee on philosophical research in the Netherlands, 2005.
22. Member, International Advisory Board, Descartes Centre, University of Utrecht, 2007-
22. Co-organizer, Bay Area Philosophy of Science Group, 2008 -.

## Campus Activities

### non-departmental

- 1984-85 Humanities Council Curriculum Committee  
 1984-86 Coordinator, Humanities Faculty Seminar on Interpretation (Topics: Benjamin and Adorno)  
 1986-96 Member, Interdepartmental Committee for Cognitive Studies  
 1997-8 Old Dominion Fellow

### departmental

In recent years I have served on or chaired the following committees:  
 Graduate Studies Committee, Course Allocation Committee, Appointments Committee,  
 Library Committee, Undergraduate Course Committee



### III. PUBLICATIONS

#### Books

##### Monographs

*An Introduction to the Philosophy of Time and Space*, Random House, New York 1970.

- Spanish Translation, Barcelona (Editorial Labor, S.A.), tr. J-P.A. Goicoechea, 1978.
- Second edition, with new preface and postscript. Columbia University Press, 1985.

*Formal Semantics and Logic*, Macmillan, New York 1971.

- Spanish Translation, Mexico (Universitat Nacional Autonoma de Mexico), tr. J.A. Robles, 1987.

*The Scientific Image*, Oxford University Press 1980.

- Italian Edition, with new preface, Bologna 1985.
- Japanese Edition, with new preface, Tokyo 1987.
- Spanish Edition, Mexico City and Barcelona, 1996.
- Chinese Edition, Shanghai, 2002
- Portuguese Edition, *A Imagem Científica* tr. L. H. de Araújo Dutra. Sao Paulo: Editora UNESP, 2007.
- Greek Edition, scheduled for fall 2007.
- Korean Edition, The National Research Foundation of Korea, scheduled for 2012.

*Empirismus in XX Jahrhundert*; course text, Fernuniversitaet, Hagen (Germany) 1984.

*Laws and Symmetry*, Oxford University Press 1989.

- French translation and introduction by C. Chevalley. Paris: Vrin, 1994.

*Quantum Mechanics: An Empiricist View*, Oxford University Press, 1991.

*The Empirical Stance*. New Haven: Yale University Press, 2002.

*Scientific Representation: Paradoxes of Perspective*. Oxford: Oxford University Press, 2008.

##### Co-authored Books

*Derivation and Counterexample* (with K. Lambert), Dickenson, Encino, CA 1972.

- Chinese Translation, Taiwan 1975.
- Revision: E. Bencivenga, K. Lambert, and B. van Fraassen, *Logic, Bivalence and Denotation*. Atascadero, CA: Ridgeview Pub. Co. 1986.

*Possibilities and Paradox: An Introduction to Modal and Many-Valued Logic*. (with JC Beall)  
Oxford: Oxford University Press, 2003.

##### Edited Books

- *Current Issues in Quantum Logic*, edited jointly with E. Beltrametti, New York: Plenum Press 1981.

- *Existence and Explanation*, ed. jointly with W. Spohn and B. Skyrms. Dordrecht: Kluwer, 1991.
- *Topics in the Foundation of Statistics*, ed. Dordrecht: Kluwer, 1997.

### **Collections of Articles on my Work**

- Churchland, P.M. and C.A. Hooker (eds.) *Images of Science: Essays on Realism and Empiricism, with a Reply by Bas C. van Fraassen*. University of Chicago Press, 1985.
- Berg-Hildebrand, Andreas and Christian Suhm (2006) *Bas C. van Fraassen, The Fortunes of Empiricism*. Frankfurt: ontosverlag. (Collection of articles with my replies).
- Monton, Bradley (ed.) *Images of Empiricism: Essays on Science and Stances, with a Reply from Bas van Fraassen* Oxford University Press, 2007
- Rowbottom, Darrell P. and Otavio Bueno (eds.) *Stance and Rationality: A Perspective*. Special Issue *Synthese* 178, #1 (2011)
- Gonzalez, W. J. (ed.), *Bas van Fraassen's Approach to Representation and Models in Science*. Dordrecht: Springer Verlag, 2014.

### **Published Articles**

#### **[1962]**

1. "Capek on Eternal Recurrence", *Journal of Philosophy* 59 (1962), pp. 371-375.
2. "Singular Terms, Truth-Value Gaps and Free Logic", *Journal of Philosophy* 63 (1966), pp. 481-495.
3. "The Completeness of Free Logic", *Zeitschrift für Mathem Logik und Grundlagen der Mathematik* 12 (1966): 219-234.
4. "A Note on Bacon's Alternative to Russell", *Philosophical Studies* 18 (1967), pp. 47-48.
5. "Meaning Relations among Predicates", *Nous* 1 (1967), pp. 160-179.
6. "On Free Description Theory" (with Karel Lambert), *Zeitschrift für Mathem. Logik und Grundlagen der Mathematik* 13 (1967), 225-240.
7. "Presupposition, Implication, and Self-Reference", *Journal of Philosophy* 65 (1968), pp. 136-152.
8. Review: R. Carnap, The Logical Structure of the World, *Philosophy of Science* 35 (1968), pp. 298-299.
9. "A Topological Proof of the Lowenheim-Skolem, Compactness, and Strong Completeness Theorems for Free Logic", *Zeitschrift für Math. Logik und Grundlagen der Mathematik* 14 (1968), pp. 245-254.
10. "Philosophy of Science" (with H. Margenau), *Contemporary Philosophy/La Philosophie Contemporaine*, ed. R. Klibansky (Firenze, 1968), 25-30.
11. "Causality" (with H. Margenau) -- *Ibid.*, pp. 319-328.
13. "Logical Structure in Plato's Sophist", *Review of Metaphysics* 22 (1969), pp. 482-498.
14. "Conventionality in the Axiomatic Foundations of the Special Theory of Relativity", *Philosophy of Science* 36 (1969), pp. 64-73.
15. "Meaning Relations and Modalities", *Nous* 3 (1969), pp. 155-167.

16. "Presuppositions, Supervaluations, and Free Logic", in K. Lambert (ed.), *The Logical Way of Doing Things*, New Haven: Yale University Press (1969), pp. 67-91.
17. "Facts and Tautological Entailments", *Journal of Philosophy* 66 (1969), pp. 477-487.
18. "Compactness and Lowenheim-Skolem Proofs in Modal Logic", *Logique et Analyse* 12 (1969), pp. 167-178.

### [1970]

19. "On the Extension of Beth's Semantics of Physical Theories", *Philosophy of Science* 37 (1970), pp. 325-334.
20. "Meaning Relations, Possible Objects, and Possible Worlds" (with K. Lambert), in K. Lambert (ed.), *Philosophical Problems in Logic* (Reidel, 1970), pp. 1-20.
21. "On Massey's Explication of Grunbaum's Conception of Metric", *Philosophy of Science* 36 (1969), pp. 346-353.
22. "Truth and Paradoxical Consequences" in R. Martin (ed.), *The Paradox of the Liar* (New Haven: Yale University Press 1970), pp. 13-23.
23. "Rejoinder: On a Kantian Conception of Language", *Ibid.*, pp. 59-66.
24. "Inference and Self-Reference", *Synthese* 21 (1970), pp. 425-438.
25. "Probabilities and the Problem of Individuation" in S. Luckenbach (ed.), *Probabilities, Problem and Paradoxes* (Encino, California: Dickenson 1972), pp. 121-138.
26. "A Formal Approach to the Philosophy of Science" in R. Colodny (ed.), *Paradigms and Paradoxes: The Philosophical Challenge of the Quantum Domain*, (Pittsburgh: University of Pittsburgh Press, 1972), pp. 303-366.
27. "The Labyrinth of Quantum Logics", *Boston Studies in Philosophy of Science* 13 (1972), pp. 224-254.
28. "Earman on The Causal Theory of Time", *Synthese* 24 (1972), pp. 87-95; also in P. Suppes (ed.), *Space, Time and Geometry* (Reidel 1973).
29. "The Logic of Conditional Obligation", *Journal of Philosophical Logic* 1 (1972), pp. 417-438.
30. "Values and the Heart's Command", *Journal of Philosophy* 70 (1973), p. 5-19.
31. "Extension, Intension, and Comprehension", in *Logic and Ontology*, ed. M. Munitz (New York University Press, 1973).
32. "The Formal Representation of Physical Quantities", *Boston Studies in Philosophy of Science* 13 (1974), pp. 196-209.
33. "Putnam on the Corroboration of Theories", *The Structure of Scientific Theories*, ed. F. Suppe (Urbana: University of Illinois Press 1974), pp. 434-436.
34. "The Einstein-Podolski-Rosen Paradox", *Synthese* 29 (1974), pp. 291-309.
35. "Theoretical Entities: The Five Ways", *Philosophia* 4 (1974), pp. 95-109.
36. "Bressan and Suppes on Modality" in K.F. Schaffner and R.S. Cohen (eds.), *PSA 1972* (Reidel Publishing Co., 1974).
37. "Semantic Analysis of Quantum Logic", pp. 80-113 in C.A. Hooker (ed.), *Contemporary Research in the Foundations and Philosophy of Quantum Theory* (Dordrecht: Reidel, 1973).
38. "Hidden Variables in Conditional Logic", *Theoria* 40 (1974), pp. 176-190.
39. Review: Hide Ishiguro, Leibniz' Philosophy of Logic and Language. *Dialogue* 13 (1974), pp. 185-189.

**[1975]**

40. "Incompleteness Assertion and Belnap Connectives", *Contemporary Research in Philosophical Logic and Linguistic Semantics*, ed. D. Hockney and W. Harper (Reidel Publishing Co., 1975), pp. 43-70.
41. "Lakoff's Fuzzy Propositional Logic" (location of 38, pp. 273-278).
42. "Critical Notice: Hilary Putnam, Philosophy of Logic", *Canadian Journal of Philosophy* 4 (1975), pp. 731-743.
43. "Theories and Counterfactuals", pp. 237-263 in *Action, Knowledge and Reality*, ed. H.N. Castaneda (Bobbs-Merrill Co., 1975).
44. "Platonism's Pyrrhic Victory", in A.L. Anderson, et al. (eds.), *The Logical Enterprise* (New Haven: Yale University Press 1975), pp. 39-50.
45. "Probabilities of Conditionals", in W. Harper and C.A. Hooker (eds.) *Foundations of Probability and Statistics*, Volume I (Reidel, 1975), pp. 261-308.
46. "Wilfrid Sellars on Scientific Realism", *Dialogue* 14 (1975), pp. 606-616.
47. "A Semantic Analysis of Bohr's Philosophy of Quantum Mechanics" (jointly with C.A. Hooker) in Harper, W.L. and C.A. Hooker (eds.), *Foundations of Probability and Statistics*, Volume 3 (Dordrecht: Reidel, 1975), pp. 222-241.
48. "Report on Conditionals" *Teorema* 6 (1976), pp. 5-25.
49. "Representation of Conditional Probabilities", *Journal of Philosophical Logic* 5 (1976), pp. 417-430. (Erratum: 6(1977), 365).
50. "To Save the Phenomena", *Journal of Philosophy* 73 (1976), pp. 623-632.
51. "The Only Necessity is Verbal Necessity", *Journal of Philosophy* 74 (1977), pp. 71-85.
52. Review: Wilfred Sellars, *Essays in Philosophy and its History*, *Annals of Science* 34 (1977), pp. 73-77.
53. "The Pragmatics of Explanation", *American Philosophical Quarterly* 14 (1977), pp. 143-150.
54. "Relative Frequencies", *Synthese* 34 (1977), pp. 133-166.
55. "On the Radical Incompleteness of the Manifest Image (Comments on Sellars)", pp. 335-343 in F. Suppe and P. Asquith, eds., *PSA 1976*, Volume II (Philosophy of Science Association, East Lansing, 1977), pp. 335-343.
56. "Essence and Existence", *American Philosophical Quarterly Monograph Series* No. 12 (1978).
57. Review: Wolfgang Stegmüller, *Personnelle und Statistische Wahrscheinlichkeit*, *Philosophy of Science* 45 (1978), pp. 158-163.
58. "Time, Physical and Experiential", *Epistemologia* 1 (1978), pp. 323-338.
59. "Foundations of Probability: A Modal Frequency Interpretation", in G. Toraldo di Francia (ed.), *Problems in the Foundations of Physics*, pp. 344-394. Amsterdam: North-Holland Pub. Co. 1979.
60. "On Carnap and Popper Probability Functions" (with Hughes Leblanc), *Journal of Symbolic Logic* 44 (1979), pp. 369-373.
61. "Hidden Variables and the Modal Interpretation of Quantum Mechanics", *Synthese* 42 (1979), pp. 155-165.
62. "Propositional Attitudes in Weak Pragmatics", *Studia Logica* 38 (1979), pp. 365-374.
63. "Modality" in H. Kyburg (ed.), *Current Research in Philosophy of Science* (Philosophy of Science Association 1979).
64. "Russell's Philosophical Account of Probability", in G.W. Roberts (ed.), *Bertrand Russell Memorial Volume* (London: Allen and Unwin, 1979), pp. 384-413.

**[1980-]**

65. "A Temporal Framework for Conditionals and Chance", *Philosophical Review* 89 (1980), pp. 91-108.
66. "A Re-examination of Aristotle's Philosophy of Science", *Dialogue* 19 (1980), pp. 20-45.
67. "Rational Belief and Probability Kinematics", *Philosophy of Science*, Vol. 47, June 1980, pp. 165-187.
68. "Critical Study: Brian Ellis, Rational Belief Systems", *Canadian Journal of Philosophy*, 10 (1980), 497-511.
69. "Assumptions and Interpretations of Quantum Logic" in *Current Issues in Quantum Logic*, (1981).
70. "A Modal Interpretation of Quantum Mechanics" in *Current Issues in Quantum Logic* (1981).
71. "Critical Study: Paul Churchland, Scientific Realism and the Plasticity of Mind, *Canadian Journal of Philosophy*, 11 (1981), 555-567.
72. "Probabilistic Semantics Objectified, I", *Journal of Philosophical Logic*, 10 (1981), 371-394; Part II, 10(1981), 495-510.
73. "Essences and Laws of Nature", in R. Healey (ed.), *Reduction, Time and Reality*, Cambridge University Press (1981), pp. 189-200.
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