

J.D. TROUT

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Permanent Address

Philosophy Department and the Parmly Hearing Institute
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EDUCATION

Ph.D. Cornell University, 1988 Major fields of study: Philosophy and Cognitive Science
M.A. Cornell University, 1986 Major fields of study: Philosophy and Cognitive Science
B.A. Bucknell University, 1982 Major fields of study: Philosophy and History

AREAS OF SPECIALIZATION

Epistemology, Philosophy of Science, Philosophy of Mind/Cognitive Science, Speech Perception, Value Theory

ACADEMIC POSITIONS

- Loyola University of Chicago, Professor of Philosophy, 2003-present; Associate Professor of Philosophy, 1995-2003; Assistant Professor of Philosophy, 1992-1995. Adjunct, Parmly Hearing Institute, Loyola University of Chicago 1992 – present.
- Virginia Polytechnic Institute and State University, Visiting Assistant Professor of Philosophy, 1991-1992.
- Stevens Institute of Technology, Assistant Professor of Philosophy, 1989-1991.
- Bryn Mawr College, Andrew W. Mellon Post-Doctoral Fellow and Lecturer, 1988-1989.
- University of Innsbruck, Visiting Professor, December 1999

PROFESSIONAL AWARDS

- National Science Foundation Collaborative Grant (with Michael Bishop as Co-PI), Science & Technology Studies, August 15, 2003 – May 15, 2004; approximate total award: \$180,000. Title: “Model Knowledge and Scientific Judgment”.
- Research Stimulation Grants (7 years of summer salary through Parmly Hearing Institute).
- National Science Foundation Travel Grant, August 1995 (administered by Philosophy of Science Association; \$900).
- Loyola University of Chicago Summer Research Stipend (competitively awarded), May August 1994.
- NEH Summer Seminar, Johns Hopkins University; Title: "Methodological Disputes in 19th Century Physics"; Director: Dr. Peter Achinstein; June-August 1992.

- Andrew W. Mellon Postdoctoral Fellowship, Bryn Mawr College; "Folk Psychology and Narrow Content", September 1988-May 1989.
- Deafness Research Foundation Grant, with William Poser (Co-Principal Investigator); "Auditory and Visual Influences on Phonemic Restoration"; July 1, 1987 to June 30, 1988. Stanford ACIS Grant, with William Poser (Principal Investigator) \$10,000; Achieving Audio-visual Synchrony when Dubbing Speech onto Videotape; July 1, 1987 to June 30, 1988.
- National Science Foundation Predoctoral Fellowship, "Philosophical Foundations of Cognitive Science"; 1984 - 1985, and 1986 - 1988.
- Cornell University Sage Graduate Fellowship, 1984-1985.
- Phi Beta Kappa, Bucknell University, 1982.

WORKS-IN-PROGRESS

Knowledge and Happiness: Using Psychological Science to Improve Human Welfare

A popular book that documents the impact of judgmental biases on moral responsibility and effective social policy, and recruits scientific research to devise bias-reducing strategies that contribute to individual happiness and collective welfare.

"Basic Needs, Welfare, and the Science of Happiness"

A paper on moral policy that establishes the importance of basic needs by recruiting scientific research, both within and across cultures, on the conditions for happiness. Under review.

"Lexical Boosting of Noise-band Speech in Open- and Closed-set Formats"

Experimental speech perception article currently under review.

PUBLICATIONS

Authored Book

Measuring the Intentional World: Realism, Naturalism, and Quantitative Methods in the Behavioral Sciences. New York: Oxford University Press, 1998. (Named a "1998 Outstanding Academic Book" by Choice.) Paperback February 2003.

Co-authored Books

Model Knowledge: Epistemic Excellence and the Psychology of Human Judgment (with Michael Bishop). New York: Oxford University Press, forthcoming.

The Theory of Knowledge: A Thematic Introduction (with Paul Moser and Dwayne Mulder). New York: Oxford University Press, 1998. (Abridged version of Chapter 6 appears in French translation as "La raison, l'expérience" in Sciences Humaines (April 1999), pp.60-64.)

Co-edited Books

Contemporary Materialism: A Reader (with Paul Moser). London and New York: Routledge, 1995. A collection of modern classic readings on Materialism, with short, follow-up essays by contributors, a General Introduction, 4 Section Introductions, and a Topical Bibliography.

The Philosophy of Science (with Richard Boyd and Philip Gasper). Cambridge, MA: Bradford Books/The MIT Press, 1991. A comprehensive collection of influential readings in the philosophy of science. I contribute introductory essays for the sections "Reductionism and the Unity of Science" pp.387-392, "The Philosophy of Physics" pp.463-471, and "The Philosophy of Psychology" pp.605-614; 7th printing, 1998; over 14,000 copies sold.

Articles & Chapters

To appear. Biological Specializations for Speech: What Can the Animals Tell Us? *Current Directions in Psychological Science*.

2003. Epistemology's Search for Significance. *Journal of Experimental and Theoretical Artificial Intelligence*, volume 15, (2), 203-216. (with Michael Bishop).

2002. Scientific Explanation and the Sense of Understanding. *Philosophy of Science* 69, (2), 212-233. <http://www.journals.uchicago.edu/PHILSCI/journal/issues/v69n2/690204/690204.web.pdf>

2002. 50 Years of Successful Predictive Modeling Should be Enough: Lessons for the Philosophy of Science. *Philosophy of Science* 68 (Proceedings): S197-S208 (with Michael Bishop).

2001. Metaphysics, Method and the Mouth: Philosophical Lessons of Speech Perception. *Philosophical Psychology*, 14, (3), 261-291.

2001. The Biological Basis of Speech: What to Infer from Talking to the Animals. *Psychological Review*, 108, (3), 523-549.

2000. Resurrecting "Death Taxes": Inheritance, Redistribution, and the Science of Happiness. *Journal of Law and Politics*, 16(4), 765-847 (with Shahid Buttar as second author).

2000. Entries on 'Scientific Realism', 'Empirical Decision Theory', and 'Belief Revision'. In R. Audi, ed., *The Cambridge Dictionary of Philosophy* (2nd Edition), Cambridge: Cambridge University Press.

2000. 'Measurement' (4500 words) and 'Paradoxes of Confirmation' (1000 words) in *A Companion to the Philosophy of Science*, Blackwell Publishers, edited by W. H. Newton-Smith.

1999. Measured Realism and Statistical Inference: An Explanation for the Fast Progress of 'Hard' Psychology. *Philosophy of Science* 66 (Proceedings): S260-S272.
1998. 'Materialism'. In C. Eliasmith, ed., *Online Dictionary of the Philosophy of Mind* (2000 words, with Paul Moser as second author). Posted at <http://www.artsci.wustl.edu/~philos/MindDict/materialism.html>
1995. Entries on 'Alchemy' (pp.16-17) and 'Uniformity of Nature' (pp.820-21). In R. Audi, ed., *The Cambridge Dictionary of Philosophy*, Cambridge: Cambridge University Press.
1995. Diverse Tests on an Independent World. *Studies in History and Philosophy of Science*, 26 (3), 407-429.
1995. Ontological Progress in Science. *Canadian Journal of Philosophy*, 25 (2), 177-201 (with R. Burian as first author).
1995. Physicalism, Supervenience, and Dependence (pp.187-217). In Ü. D. Yalçın and E. E. Savellos, eds., *Supervenience: New Essays*, Cambridge: Cambridge University Press (with P. K. Moser).
1994. Austere Realism and the Worldly Assumptions of Inferential Statistics (pp.190-199). In M. Forbes, D. Hull, and R. Burian, eds., *PSA 1994, Volume 1*, Lansing, MI: Philosophy of Science Association.
1994. A Realistic Look Backward. *Studies in History and Philosophy of Science*, 25 (1), 37-64.
1993. Robustness and Integrative Survival in Significance Testing: The World's Contribution to Rationality. *British Journal for the Philosophy of Science*, 44, 1-15.
1992. Theory-Conjunction and Mercenary Reliance. *Philosophy of Science*, 59, 231-245.
1991. Belief Attribution in Science: Folk Psychology Under Theoretical Stress. *Synthese*, 87, 379-400.
1990. Auditory and Visual Influences on Phonemic Restoration. *Language and Speech*, 33, 121-135 (with William Poser as second author).

Abstracts

- 1996, December. "Vowel Environments in Minimal Pair Sequences." *Journal of the Acoustical Society of America* (Abstract), 100(4), Pt.2, p.2688.
- 1996, November. "Duration as a Boundary Cue in Minimal Pairs." *Bulletin of the Psychonomic Society* (Abstract), 1, p.58.
- 1996, June. "Fundamental Frequency in Minimal Pair Sentences". *Journal of the Acoustical*

Society of America, volume 99(5), Pt.2, p.2547.

1995, "Statistical Designs as Instruments". In *Proceedings of the 10th International Congress of Logic, Methodology, and Philosophy of Science*, Florence, Italy, p.606.

Book Reviews

Review of *Common Sense, Reasoning, and Rationality*, ed. by Renee Elio, *Philosophical Psychology*, vol.15(4).

Review of *Critical Realism: Essential Readings*, ed. by Margaret Archer et al., *Choice*, (May 1999), vol.36, no.9, p.1631.

Review of *Representations, Targets, and Attitudes*, by Robert Cummins, *American Journal of Psychology*, (Spring 1999), vol.112, no.1, pp.167-170.

Review of *On the Contrary: Critical Essays, 1987-1997*, by Paul Churchland and Patricia Churchland, *Choice*, (December 1998), vol.36, no.4, p.701.

Review of *Beauty & Revolution in Science*, by James W. McAllister, *Philosophical Review*, 107, no. 2 (April 1998), pp.320-324.

Review of *Interpreting Minds: The Evolution of a Practice*, by Radu Bogdan, *Choice*, (October 1997), vol.35, no.2, p.374.

Review of *The Discovery of Spoken Language*, by Peter Jusczyk, *Philosophical Psychology*, (1998), vol. 11, pp.105-107.

What is Feminist Epistemology? *Informal Logic*, (1995), vol 11, 1-13 (with Paul Moser).

Review of *Truth and Objectivity*, Brian Ellis, Oxford: Basil Blackwell, *The Philosophical Review*, (January 1993), vol.102, pp.126-129.

PHILOSOPHY OF SCIENCE ASSOCIATION SYMPOSIUM

(PSA 2000, November 2-5, Vancouver). "New Perspectives on Scientific Rationality". (Co-organized with Michael Bishop). Speakers include Robyn Dawes, David Faust, Michael Bishop, and J.D. Trout. This symposium takes some lessons of research on decision making – in particular research on the reliability of simple linear prediction that has been largely ignored by philosophers – and apply them to issues in philosophy of science and science policy. Papers are published in the Proceedings.

CONFERENCE & COLLOQUIUM PAPERS

(2003, April 18). "Basic Needs, Welfare, and the Science of Happiness". Northern Illinois University Philosophy Department Colloquium Series.

(2003, March 27). University-wide lecture at Columbia University, NY, for the University Seminar on Language and Cognition (<http://www.columbia.edu/cu/psychology/dept/events/usems.html>), held jointly with another series, the University Seminar on Behavioral and Cognitive Neuroscience (<http://www.columbia.edu/cu/psychology/terrace99/univseminar.html>). Minutes of my talk can be found at <http://www.columbia.edu/~remez/27apr03.pdf>

(2002, May 31). "Epistemology as (Philosophy of) Science". University of Washington Philosophy Department Colloquium series.

(2002, April 11-14). "Epistemology as (Philosophy of) Science, or: Why Epistemology is too Important to be Left to Traditional Epistemologists". California State University at Long Beach - Cognitive Science in the New Millenium Conference; (invited speaker, with Mike Bishop)

(2002, April 4-6). "The Sciences of Self-Knowledge". Self-Knowledge: A Conference. University of Utah, Salt Lake City, Utah; (invited speaker).

(2001, November 12). "Self-Serving Bias and Self-Binding Solutions". University of Illinois at Chicago Philosophy Department Colloquium Series.

(2001, August 25). "Measured Realism and the Scientific Gaze: Internalism, Externalism, and Actuarial Paths to Clinical Knowledge." Paper presented at the annual convention of the American Psychological Association, San Francisco.

(2000, November 3). "50 Years of Successful Predictive Modeling Should be Enough: Lessons for the Philosophy of Science." Philosophy of Science Association meeting (with Michael Bishop).

(2000, October 6). "Debiasing and the Case of Judgment." Howard University, Washington, D.C.

(1999, December 1 - 15). "Realistic Models of the Mind." A series of six, three-hour lectures. University of Innsbruck.

(1999, June 21). "The Mental Representation of Variability in Speech." University of the Basque Country, San Sebastian, Spain.

(1999, March 4). "Concepts and Properties: New Philosophical Proposals about Artifacts and Relations". Northwestern Psychology Department Brown Bag, Northwestern University.

(1998, November 18). "Scientific Realism and the Radically Contingent Nature of the History of

Science". Bryn Mawr Lecture Series, Bryn Mawr College.

(1998, October 22-24). "Measured Realism and Statistical Inference: An Explanation for the Fast Progress of 'Hard' Psychology". Refereed paper presented at the Philosophy of Science Association meeting, Kansas City, Kansas.

(1998, June 13). "Nativism, Statistical Complexity, and Speech". Refereed paper presented at the 24th Meeting of the Society for Philosophy and Psychology, University of Minnesota, Minneapolis. Commentator: Arlene Carney.

(1997, December 5). "The Biology of Speech: Or, What to Infer from Talking to the Animals", Speech Research Laboratory, Indiana University, Bloomington.

(1997, October 24). "Complexity, Emergence, and the Statistics of Large Populations", History and Philosophy of Science Series, Northwestern University.

(1997, April 10). "The Perceptual Motivation for Sinewave Speech", Language Processing Lab, University of Illinois, Urbana-Champaign.

(1996, December 4). "Vowel Environments in Minimal Pair Sequences" (Abstract). Poster presented at the Acoustical Society. Published in the Proceedings of the Acoustical Society meeting. Waikiki Beach, Hawaii.

(1996, November 14). "Nativism, Speech, and Complexity". Invited paper presented at Washington University to the Philosophy-Neuroscience-Psychology program, St. Louis, MI.

(1996, November 2). "Duration as a Boundary Cue in Minimal Pairs" (Abstract). Poster presented at the Psychonomic Society. Published in the Proceedings of the Acoustical Society meeting. Chicago, IL.

(1996, June 1). "Metaphysics, Method, and the Mouth". Refereed paper presented at the 22nd annual meeting of the Society for Philosophy and Psychology, San Francisco, CA.

(1996, May). "Fundamental Frequency in Minimal Pair Sentences" (Abstract). Poster presented at the Acoustical Society. Published in the Proceedings of the Acoustical Society meeting. Indianapolis, IN.

(1995, November). "Metaphysical Morals of Speech Perception". Invited paper, Colloquium series, Philosophy Department, University of Illinois, Champaign-Urbana.

(1995, August). "Statistical Designs as Instruments". Refereed paper presented to LMPS (the international congress in the philosophy of science), Florence, Italy.

(1995, May). "Integrative Knowledge: The New Naturalism in Philosophy". Keynote address, Annual Research Conference at Governor's State University.

(1994, October). "Austere Realism and the Worldly Assumptions of Inferential Statistics". Refereed paper presented at the Philosophy of Science Association in New Orleans.

(1994, May). "Metaphysics, Method, and the Mouth". Science and Technology Research Series at Northwestern University.

(1994, April). "Positivism and Its Lingering Influences in Psychology". Invited lecture, Department of Psychology, University of Illinois at Chicago.

(1993, October). "A Measured Realism for Psychology: Statistical Designs as Instruments". Invited Colloquium Series talk, Committee on the Conceptual Foundations of Science and the Fishbein Center for the History of Science and Medicine, University of Chicago; also presented in November 1993 at Philosophy Department Speaker series, University of Illinois at Chicago.

(1993, June). "Gender Diversity in Science". 5th Annual Cuba Conference, Havana, Cuba, June 17-July 2.

(1993, June). " F_0 Declination and Lexical Recognition". Research talk at the Parmlly Hearing Institute.

(1992, October). "Speech Perception and the Psychological Environment". Invited talk, Psychology Department Colloquium, Loyola University, Chicago, IL.

(1992, March). "Robustness and Integrative Survival in Significance Testing: The World's Contribution to Rationality". Refereed conference paper, American Philosophical Association Pacific Division meeting in Portland; (1991, May), refereed conference paper, Society for the History and Philosophy of Science, Canadian Philosophical Association in Kingston, Ontario.

(1992, February). "The Metaphysical Morals of Psychological Method". Invited paper presented at University of Georgia, Athens, GA; (1992, January), invited paper at Loyola University of Chicago, Department of Philosophy, Chicago, IL.

(1992, January). "Demon vs. Disciplined Skepticism: Diverse Tests on an Independent World". Invited paper, Philosophy Department Colloquium, Virginia Tech, Blacksburg, VA.

(1991, September). "Realism in the Social and Behavioral Sciences: Statistical Designs as Instruments of Measurement". Invited paper, Science Studies Center at Virginia Tech, Blacksburg, VA.

(1991, February). "A Realistic Look Backward". Invited paper, Queens University (Canada) Philosophy Colloquium; (1990, November), invited paper, Science & Technology Group at University of Hawaii, Manoa.

(1989, March). "How the Success of Science Depends on Folk Psychology". Invited paper, Susquehanna University, Selinsgrove, PA.

(1989, January). "Two-factor Semantic Theories". Invited paper, Department of Philosophy, Carnegie Mellon University, Pittsburgh, PA.

(1988, November). "Psychoanalytic Science and the Gentle Caress of Reductionism", Annual Mellon Postdoctoral Lecture, Bryn Mawr College.

COURSES TAUGHT

Epistemology (Loyola; Grad Seminar – Spring 2003)

Rational Judgment and Social Policy (Loyola; Grad Seminar - Fall 1999)

Philosophy of Science (Virginia Tech; Stevens; Loyola; Graduate Seminar - Fall 1995)

Historical Introduction to the Philosophy of Science (Stevens) Philosophy of Psychology (Loyola - Graduate Seminar - Fall 1992, Fall 1997)

Philosophy of Mind (Bryn Mawr College; Stevens; Loyola)

Metaphysics (Loyola; Graduate Seminar - Spring 1993)

Philosophy of Social Science (Stevens; Loyola; Graduate Seminar - Fall 1994)

Epistemology (Loyola)

Philosophy of Language (Bryn Mawr College; Stevens)

Language and Logic (Virginia Tech)

Regular lecturer in Interdisciplinary Neuroscience Minor Seminar and Lab courses (administered by the Parmlly Hearing Institute) since Fall 1997; Topics on Mind and Brain, the Moral Status of Animals, Ethics of Sharing Information, Deaf Culture; Speech Perception Lab Class

Knowledge and Reality: Truth (Loyola)

Knowledge and Reality: History of Modern Philosophy (Virginia Tech; Stevens)

Knowledge and Reality: Mind (Loyola)

Knowledge and Reality: Science (Loyola)

PROFESSIONAL SERVICES

Editorial Board, Brain and Mind

Referee of book manuscripts for Oxford University Press, MIT Press, Blackwell, Routledge, Rowman and Littlefield, and Broadview.

Referee of submitted papers for *Philosophy of Science*, *Synthese*, *Noûs*, *Studies in History and Philosophy of Science*, *Canadian Journal of Philosophy*, *Psyche* (an on-line journal), *Perspectives on Science*, Society for Philosophy and Psychology.

Member of Philosophy of Science Association, American Philosophical Association, Psychonomic Society, Acoustical Society of America, Society for Philosophy and Psychology