

Samuel John Butchart PhD, M. Phil, B.A.

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Summary

I am currently working as a Research Fellow at the School of Philosophy and Bioethics, Monash University. I graduated from Monash University with a PhD in philosophy in October 2002. I have a Masters degree in philosophy from the University of Cambridge and a first-class degree in philosophy from University College London. My areas of specialization are the philosophy of mathematics, logic and critical thinking. My areas of competence are philosophy of science and epistemology.

Personal Information

Nationality	British
Date of Birth	28 th January 1971
Australian residency status	Permanent residency pending

Education

Monash University Melbourne	1997 – 2001
PhD <i>Evidence and Explanation in Mathematics</i> Supervisor: Prof. John Bigelow	
University of Cambridge, UK	1993 – 1994
M.Phil. <i>The Epistemology of Mathematics</i> (High Pass) Supervisor: Prof. Timothy Smiley	
University College London, UK	1990 – 1993
B.A. Philosophy (Class I)	

Academic awards and scholarships

Overseas Postgraduate Research Scholarship	Monash University, 1998–2001
Monash Graduate Scholarship	Monash University, 1998–2000
British Academy Postgraduate Studentship	Cambridge University, 1993–1994
A. J. Ayer Award	University College London, 1992
Dawes Hicks Essay Prize	University College London, 1991

Publications

“A Note on Monothetic BCI” (with Tomasz Kowalski). *Notre Dame Journal of Formal Logic*, 47 (4), 2006, 541-544.

“Number” (with John Bigelow) in the *Encyclopedia of Philosophy* (2nd edition), edited by Donald Borchert (MacMillan: Farmington Hills, MI, 2005).

“Naïve Comprehension and Contracting Implications” (with Susan Rogerson). *Studia Logica* 71, 2002, 119-132.

Websites

Peer Instruction in the Humanities Project

<http://www.arts.monash.edu/phil/peerinstruction/>

The Monash Critical Thinking Study

<http://www.arts.monash.edu/phil/research/thinking/>

Two Computer Games Designed to Illustrate Simpson’s Paradox

<http://www.arts.monash.edu.au/phil/department/butchart/SharksAndSuckers/html/contents.html>

Work in progress or currently under review

“Web-based argument mapping with automated feedback for teaching critical thinking and argument analysis”. Under review at *Australasian Journal for Educational Technology*.

“Actively open-minded thinking dispositions and improvement in critical thinking”

“Peer Instruction in philosophy and critical thinking”

Conference papers and seminars

“Web-based argument mapping with automated feedback: Results from the Monash Critical Thinking Study”. Presentation to *AusThink* organisation, 15th June, 2006.

“Teaching Informal Logic”, presented at the Monash Bayesian Reasoning Conference, Monash University, March 2006.

“Illuminating Mathematics: Explanation and Mathematical Proofs”, presented at the Australasian Association for Philosophy conference, University of Melbourne, July 1999.

“Naïve Comprehension and Contracting Implications” (with Susan Rogerson), presented at the Australasian Association for Logic conference, University of Melbourne, July 1999.

“Sharks, Suckers and The Simpson Effect”, presented at the History and Philosophy of Science seminar, University of Melbourne, 1998; Philosophy Department seminar, La Trobe

University, 1998; Department of Economics seminar, Monash University, 1998 (with John Bigelow).

“Evidential Relevance and Indispensability Arguments”, presented at the Australasian Association for Philosophy conference, Macquarie University, Sydney, July 1998.

Teaching experience

Course co-ordination and design

PHL1030/2030: *Thinking: Analysing Arguments* Semester 2, 2007
PHL1030: *Thinking: Analysing Arguments* Semester 1–2, 2004–2006

Post-graduate supervision

Honours thesis: philosophy of mathematics Semester 1, 2007
PhD thesis (revise and resubmit): transcendental arguments Dec. 2004 – Sep. 2005
Honours thesis: philosophy of mathematics Semester 1–2, 2005

Lectures

PHL1030/2030: *Thinking: Analysing Arguments* Semester 2, 2007
LOG12BEL: *Beginning Logic* (La Trobe) Semester 2, 2006
PHL1030: *Thinking: Analysing Arguments* Semester 1, 2006

Seminars

PHL2570: *Recent Logic* Semester 2, 2007
PHL3790: *Issues in Logical Theory* Semester 2, 2006
PHL4010: *Metaphysics and Epistemology* (guest seminar) Semester 2, 2003

Tutorials

PHL1030: *Thinking: Analysing Arguments* Semester 1, 2006
PHL2170: *Symbolic Logic* Semester 2, 1999
PHL1010: *Crime and Punishment, Reason and Rationality* Semester 1, 1999
PHL1010: *Contemporary Moral Issues, Reason and Rationality* Semester 1, 1998

Flexible Learning and VCE Enhancement teaching (online delivery)

PHL3890: *Stoics and Epicureans* Semester 2, 2000
PHL1080: *Time, Self and Freedom, Primary Logic* Semester 1, 2, 1999–2000

Monash Centre for Public Philosophy

Teacher training workshop on critical thinking: Carey Grammar School 24th October, 2006
Teacher training workshop on critical thinking: Distance Education Centre Victoria. 14th November, 2006
Thinking Workshops for students: Carey Grammar School 18th July, 2006
I. B. seminar on ‘Mathematical Knowledge’: Wesley College. 1st May, 2006
I. B. seminar on ‘Mathematical Knowledge’: Wesley College. April, 2005

Employment History

Research Fellow

January 2007 - present

Project leader on grant funded by the Carrick Institute for Learning and Teaching in Higher Education: *Peer Instruction in the Humanities*.

School of Philosophy and Bioethics

Monash University

Melbourne, Australia

ARC Research Associate

June 2003 – Dec. 2006

Research associate on ARC linkage project: *Effective Pedagogy for Improving Critical Thinking*.

School of Philosophy and Bioethics

Monash University

Melbourne, Australia

Software engineer

Sep. 2001 – May 2003

Space-Time Research Ltd

Melbourne, Australia

PhD candidate

March 1997 – May 2001

Monash University

Melbourne, Australia

Software engineer

March 1996 – July 1996

NEC Australia Ltd

Melbourne, Australia

Software developer

Oct. 1996 – March 1997

Inference Europe Ltd

Slough, UK

Dec. 1994 – Sep. 1995

Referees

Professor John Bigelow

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Professor Ian Gold

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