

## Curriculum Vitae



Dr Barry R. Clarke

**Physics, recreational mathematics,  
and Shakespeare attribution**

email: [aleteller@barryispuzzled.com](mailto:aleteller@barryispuzzled.com)

website: <http://barryispuzzled.com>

bluesky: @barryispuzzled

### **EDUCATION**

- 1976–78: Ordinary National Certificate Engineering (Huddersfield Technical College): attained 100% in mathematics
- 1978–81: B.Sc.Theoretical Physics (University of Hull): attained 90% in Advanced Mathematics ancillary (only 4 out of 92 candidates gained over 80%).
- 1982–84: M.Sc. Theoretical Physics (University of Hull) by thesis ‘Commutator Techniques of Quantum Mechanics’, matrix mechanics and FORTRAN algorithms.
- 2010–2013: PhD Shakespeare Studies (Brunel University, Uxbridge) by thesis ‘Francis Bacon’s contribution to three Shakespeare plays’, passed without amendment

**PEER-REVIEWED ARTICLES**

- 'Perturbation series for transition moments of anharmonic oscillators', *J. Phys. A: Math. Gen.* 18 (1985): 2207 (see <http://barryispuzzled.com/perturbation.pdf>)
- 'Structure of matrix perturbation coefficients', *J. Phys. A: Math. Gen.* 18 (1985): 2729 (see <http://barryispuzzled.com/structure.pdf>)
- 'The Virginia Company and *The Tempest*', *J. Drama Studies* 5 (July 2011):13–27
- 'The Virginia Company's role in *The Tempest*', in Petar Penda, ed., *The Whirlwind of Passion*. Cambridge Scholars Publishing, 2016.
- 'Response to book review "Francis Bacon's contribution to Shakespeare"', *Style* 54, 3 (2020): 365–368.
- 'A reinterpretation of the Grangier experiment using a multiple-triggering single-photon model', *Modern Physics Letters B*, 37, 15, 2350042, (2023).
- 'A photonic toroidal vortex model of the hydrogen atom fine structure', *Quantum Studies: Mathematics and Foundations*, Vol. 12, Article 19 <https://doi.org/10.1007/s40509-025-00364-9> (2025)

**PEER REVIEWER**

*Princeton University Press* (recreational mathematics), *Taylor & Francis* (recreational mathematics), *Journal of Early Modern Studies* (Shakespeare attribution), *Physics Essays* (theoretical physics)

**BOOKS**

- *The Daily Telegraph Book of Brain Twisters* (part contributor, Pan: 1993)
- *Puzzles for Pleasure* (Cambridge University Press: 1994)
- *Test Your Puzzle Power* (Ward Lock: 1994)
- *Brain Busters* (Dover: 2003) No. 1 bestseller amazon.com Math & Puzzles, 2004
- *Challenging Logic Puzzles Mensa* (Sterling: 2003) over 100,000 copies sold
- *Mathematical Puzzles and Curiosities* (Dover, 2013)
- *Extreme Logic Puzzles* (Sterling, NY, 2013)
- *The Quantum Puzzle: Critique of Quantum Theory and Electrodynamics* (World Scientific Publishing, 2017)
- *Supergenius Logic Puzzles* (Puzzlewright Press, NY, 2019)
- *Brain-Stretching Logic Puzzles* (Puzzlewright Press, NY, 2019)
- *Francis Bacon's Contribution to Shakespeare: A New Attribution Method* (Routledge Studies in Shakespeare, 2019) foreword by Sir Mark Rylance
- *The Vortex Atom: A New Paradigm* (World Scientific Publishing, 2021)
- *Mathematical Conundrums* (Taylor & Francis, 2023)
- *Newton's Puzzles* (Arcturus, 2024)
- *Tesla's Puzzles* (Arcturus, to be published 2026)
- *Tic Tac Test: Beat the Book at Noughts and Crosses* (Taylor & Francis, to be published 2026) an interactive noughts and crosses computer

### POPULAR ARTICLES

- 'Francis Bacon', in William Leahy, ed., *My Shakespeare*. Edward Everett Root, 2017.
- 'Who didn't write Shakespeare?', <https://www.prospectmagazine.co.uk/arts-and-books>, 21 May 2018.
- 'Andy Yorke', a review of a performance at the Jericho Tavern, Oxford, *The Independent*, 7 June 2018.
- 'How professional puzzlers keep their brains sharp', part-contributor, *The Sunday Telegraph*, 30 September 2018.
- 'Who wrote Shakespeare?' part-contributor with Sir Mark Rylance, *The Sunday Times*, 3 February 2019.
- Christmas puzzle pages, *Prospect* magazine (UK), January 2015–2021.

### PUZZLE COLUMNS

Over 1,500 puzzles for *The Daily Telegraph* as well as contributions to *The Sunday Times*, *The Sunday Telegraph*, *New Scientist*, *Reader's Digest*, *Brain Games* (USA), and *Prospect* magazine. Currently compile maths and logic puzzles for *The Daily Telegraph*.

### TV CONSULTANCY

- Consultant in 2004 to BBC4 television's "Mind Games" Series III which also broadcast my HAIL CLIP puzzle on 25 October 2004.
- Consultant in 2016 to Channel 4 television's "Child Genius" series.

### MATHEMATICS TUITION

- 1995–present Over 10,000 hours one-to-one tuition at Oxford Tutorial College, Cherwell Tutorial College, Greene's Tutorial College, Oxford International. GCSE, IGCSE, IB, A-level mathematics and further mathematics. Also online Zoom tuition with whiteboard.

### TV COMEDY BROADCAST WRITING

- 'Army aptitude test quickie', Alas Smith and Jones, Series IV, BBC TV, 1987.
- 'Operating theatre sketch', Little and Large, Series VIII, BBC TV, 1988.
- Three comedy sketches, Beadle's Hotshots, Series II, ITV, 1997.

### SHORT FILMS

- 'The Bath in the Garden', psychological drama, writer, editor, director, 1997: <https://www.youtube.com/watch?v=qUQ37xIm9Vs>
- 'Don't Feed the Demon', drama, writer, editor, director, 1997: <https://www.youtube.com/watch?v=WHIHBByLoAcc>
- 'Horis and Doris', comedy, writer, editor, director, 1998: <https://www.youtube.com/watch?v=gvueH7yhpQk>
- 'Pythagoras podcast', humorous educational, presenter, writer, director, 2010: [https://www.youtube.com/watch?v=zgWC7\\_FLdpM](https://www.youtube.com/watch?v=zgWC7_FLdpM)
- 'Francis Bacon as Insider, Shakespeare as Outsider', presenter, writer, animator, editor, director, 2020: <https://www.youtube.com/watch?v=K3mAu1f2pLI>