

A Complete Bibliography of Publications in *The Rutherford Journal*

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Title word cross-reference

1951 [Car18].

After [Tee07]. **Again** [Sma18]. **Agent** [He06]. **Alan** [CP12, Cop18].
Analogue [Car07]. **Anticipatory** [Bod07]. **Argument** [Mus07]. **Artificial** [Rou18]. **Atomic** [Cha06]. **Australian** [BC07]. **Automatic** [Dor07, Swa10].

Babbage [Swa10]. **Back** [Sma18]. **be** [Sce18]. **becomes** [Mag06]. **Behavior** [Dre10]. **Bletchley** [Cop10, Wei06]. **Bombe** [Car10]. **Breaking** [Cop10].
Brief [Bow10, Sce18]. **Business** [Asp07].

C [BSS18]. **Canterbury** [Cla06]. **Causality** [He06]. **Charles** [Swa10].
Chemistry [Cha06, He06]. **Chronology** [Car07]. **Civilization** [Bon18].
Code [Cop10]. **cognition** [Ste03]. **College** [Cla06]. **Colossus** [Cop10].
Common [McC10]. **Computation** [Dre10, Mah10, Swa10]. **Computational**

[Swa10]. **Computer** [CP12, Sha10]. **Computers** [Cor10, DT18].
Computing [BC07, Car07, CPSB10, T⁺06]. **Conference** [Car18].
Contributors [Ano18b]. **Creation** [Bro06a]. **Critical** [Bro06a, Bro07].

D [Bro07]. **Dalton** [Cha06]. **Darwinian** [Bro06a]. **Depend** [He06].
designed [Hau06]. **Dialogue** [CC07]. **Discovery** [ADP06]. **Do**
[Cas07, He06].

Early [Bow10]. **Eggs** [Wei06]. **Elastician** [Mag06]. **Electronic** [Cor10].
Else [Cas07]. **Enabled** [Asp10]. **Events** [Cas07]. **Evolution** [Bro06a, Ste03].
Existence [Ste18]. **Experimental** [Cha06]. **Explanation** [He06]. **Export**
[Asp07].

Father [CP12]. **Figure** [Bon18]. **First** [Dor07]. **Fish** [Wei06]. **Formalizing**
[McC10]. **Formats** [He06]. **friendly** [CK06]. **Fujita** [Asp07].

German [Cop10]. **Grey** [Bod07].

Hauser [Bro07]. **Henry** [Dor18]. **Heritage** [DT18]. **History**
[BC07, Bow10, Cop10, CPSB10]. **Hodsdon** [Dor18]. **Hollerith** [ADP06].
Hostile [Bro06a, Ste03]. **Human** [Bro06a, Cor10, Ste03]. **Hunting** [Cor10].

Illustrated [Cop10]. **Indian** [Asp10]. **Industry** [Asp10]. **Information**
[Bro06b]. **Instinct** [Bro06b]. **Intelligence** [Rou18]. **Interpretation** [Pro06].
Israel [Sha10]. **Issue** [CPSB10]. **IT-Enabled** [Asp10].

J [BSS18]. **J.** [BSS18]. **Japanese** [Asp07]. **Jevons** [BC06]. **Journal**
[Ano18a].

Karl [Mag06]. **Kim** [Bro06a]. **Knowledge** [McC10]. **Konrad** [Bro06b].

Laid [Wei06]. **Limitations** [Cha06]. **Logic** [BC06, McC10, Num10]. **look**
[Sce18]. **Lorenz** [Bro06b]. **Lost** [Cop18].

Machine [ADP06, Num10, T⁺06]. **Machines** [Rou18]. **Made** [DT18].
Makudonaldo [Asp07]. **Map** [Tee07]. **'Marble** [Dor18]. **Marc** [Bro07].
Mark [Car18]. **Mathematical** [Mah10, McC10]. **Mathematics** [CC07].
Meeting [Car18]. **Memory** [Dre10]. **Metaphysics** [Sma18]. **Method**
[Swa10]. **Mind** [Bro06a, T⁺06]. **minds** [Hau06, Bro07]. **Miracle** [Mus07].
Missed [Car18]. **Modern** [CP12, Mag06]. **Moral** [Hau06, Bro07]. **Morality**
[Bro07]. **Morphogenesis** [Ric06]. **Museums** [Bow10]. **Myth** [Bro06a].

Named [Tee07]. **Nature** [Mah10, Hau06]. **No** [Wei06]. **Notebook** [Cop18].
Notice [Bro06a, Bro07]. **Numbers** [Cor10].

Obituary [BSS18]. **Online** [Bow10]. **Organization** [Num10]. **Origins** [Bon18, Mag06]. **Our** [DT18, Hau06].

P [Rou18]. **P-Type** [Rou18]. **Paris** [ADP06, Car18]. **Park** [Cop10, Wei06]. **Particle** [Yoc18]. **Pearson** [Mag06]. **Periodic** [Sce18]. **Perspective** [Yoc18]. **Phylogenetic** [Bro06b]. **Physics** [CC07, Sma18, Yoc18]. **Piano** [BC06]. **Places** [Tee07]. **Policy** [Asp10]. **Preserving** [DT18]. **Prime** [Cor10]. **Prometheus** [Bon18]. **proposals** [Sce18]. **Prototype** [ADP06]. **published** [Sce18].

Radio [Asp07]. **Realism** [Mus07]. **Regarded** [Sce18]. **Reign** [BC07]. **Richards** [Ric06]. **right** [Hau06]. **Rise** [Asp10]. **Role** [Asp10]. **Rutherford** [Cla06, Ano18a].

Science [Bro06a, Bro07, Cha06, Sha10, Tee07]. **Scientific** [Mus07]. **Scientists** [Tee07]. **See** [Cas07]. **Sense** [McC10, Hau06]. **Services** [Asp10]. **Should** [Sce18]. **Smart** [BSS18]. **Software** [Asp10, Ste18]. **some** [Sce18]. **Something** [Cas07]. **Special** [CPSB10]. **Statistician** [Mag06]. **Statistics** [Mag06]. **Sterelny** [Bro06a]. **Structure** [Mah10]. **Structures** [Mah10]. **Sturgeon** [Wei06]. **System** [Sce18].

Technology [Sha10]. **Test** [Pro06]. **Theory** [Cha06]. **Thought** [Ste03, Bro06a]. **Tortoises** [Bod07]. **Totalisator** [BC07, Dor07]. **Totalisators** [Dor18]. **Transforming** [Cha06]. **Transistor** [Asp07]. **Tunny** [Cop10]. **Turing** [Car10, CP12, Cop18, Dre10, Pro06, Ric06]. **Type** [Rou18]. **Typewriter** [CK06].

universal [Hau06]. **University** [Cla06]. **Unlikely** [BC07]. **Unorganised** [Rou18]. **User** [CK06]. **User-friendly** [CK06]. **Using** [Rou18].

Walter [Bod07]. **world** [Ste03, Bro06a]. **wrong** [Hau06].

Zealand [DT18, Tee07]. **Zealand-Made** [DT18].

References

Anderson:2005:DPH

- [ADP06] David Anderson, Janet Delve, and Hans Pufal. Discovery of a prototype Hollerith machine in Paris. *Rutherford Journal*, 1(??):??, ????. 2005–2006. CODEN ????. ISSN 1177-1380. URL <http://rutherfordjournal.org/article010108.html>.

Anonymous:2018:ARJ

- [Ano18a] Anonymous. About the *Rutherford Journal*. *Rutherford Journal*, 5(??):??, ??? 2018. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/editorial05.html>.

Anonymous:2018:AC

- [Ano18b] Anonymous. About the contributors. *Rutherford Journal*, 5(??):??, ??? 2018. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/about05.html>.

Aspray:2006:FJT

- [Asp07] William Aspray. Den Fujita: From the Japanese transistor radio export business to Makudonaldo. *Rutherford Journal*, 2(??):??, ??? 2006–2007. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article020110.html>.

Aspray:2010:RPR

- [Asp10] William Aspray. The role of policy in the rise of the Indian software and IT-enabled services industry. *Rutherford Journal*, 3(??):??, ??? 2010. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article030101.html>.

Barrett:2005:JLP

- [BC06] Lindsay Barrett and Matthew Connell. Jevons and the logic ‘piano’. *Rutherford Journal*, 1(??):??, ??? 2005–2006. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article010103.html>.

Barrett:2006:UHA

- [BC07] Lindsay Barrett and Matthew Connell. An unlikely history of Australian computing: the reign of the totalisator. *Rutherford Journal*, 2(??):??, ??? 2006–2007. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article020105.html>.

Boden:2006:GWA

- [Bod07] Margaret Boden. Grey Walter’s anticipatory tortoises. *Rutherford Journal*, 2(??):??, ??? 2006–2007. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article020101.html>.

Bond:2018:FPO

- [Bon18] Robin Bond. The figure of Prometheus and the origins of civilization. *Rutherford Journal*, 5(??):??, ??? 2018. CODEN

???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article050102.html>.

Bowen:2010:BHE

- [Bow10] Jonathan P. Bowen. A brief history of early museums online. *Rutherford Journal*, 3(??):??, ???? 2010. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article030103.html>.

Browne:2005:EHM

- [Bro06a] Derek Browne. The evolution of the human mind: Darwinian science or creation myth? Critical notice of Kim Sterelny, *Thought in a Hostile World* (2003). *Rutherford Journal*, 1(??):??, ???? 2005–2006. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article010110.html>.

Browne:2005:KLI

- [Bro06b] Derek Browne. Konrad Lorenz on instinct and phylogenetic information. *Rutherford Journal*, 1(??):??, ???? 2005–2006. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article010104.html>.

Browne:2006:SMC

- [Bro07] Derek Browne. A science of morality? Critical notice of Marc D. Hauser, *Moral Minds* (2006). *Rutherford Journal*, 2(??):??, ???? 2006–2007. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article020107.html>.

Bigelow:2018:OJJ

- [BSS18] John Bigelow, Elizabeth Smart, and Helen Smart. Obituary of J. J. C. Smart, 1910–2012. *Rutherford Journal*, 5(??):??, ???? 2018. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article050101.html>.

Care:2006:CAC

- [Car07] Charles Care. A chronology of analogue computing. *Rutherford Journal*, 2(??):??, ???? 2006–2007. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article020106.html>.

Carter:2010:TB

- [Car10] Frank Carter. The Turing Bombe. *Rutherford Journal*, 3(??):??, ???? 2010. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article030108.html>.

Carpenter:2018:MMM

- [Car18] Brian Carpenter. A meeting that missed its mark: The Paris Conference of 1951. *Rutherford Journal*, 5(??):??, ????. 2018. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article050103.html>.

Casti:2006:WWS

- [Cas07] John L. Casti. Why we see the events we do and not something else. *Rutherford Journal*, 2(??):??, ????. 2006–2007. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article020104.html>.

Calude:2006:DMP

- [CC07] Cristian S. Calude and Gregory J. Chaitin. A dialogue on mathematics and physics. *Rutherford Journal*, 2(??):??, ????. 2006–2007. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article020103.html>.

Chalmers:2005:TAC

- [Cha06] Alan Chalmers. Transforming atomic chemistry into an experimental science: The limitations of Dalton’s theory. *Rutherford Journal*, 1 (??):??, ????. 2005–2006. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article010101.html>.

Campbell-Kelly:2005:UFT

- [CK06] Martin Campbell-Kelly. The user-friendly typewriter. *Rutherford Journal*, 1(??):??, ????. 2005–2006. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article010105.html>.

Clarke:2005:RCU

- [Cla06] Simon Clarke. Rutherford at Canterbury University College. *Rutherford Journal*, 1(??):??, ????. 2005–2006. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article010112.html>.

Copeland:2010:CBG

- [Cop10] B. Jack Copeland. Colossus: Breaking the German ‘Tunny’ code at Bletchley Park. An illustrated history. *Rutherford Journal*, 3(??):??, ????. 2010. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article030109.html>.

- Copeland:2018:ATL**
- [Cop18] Jack Copeland. Alan Turing’s lost notebook. *Rutherford Journal*, 5(??:??, ????) 2018. CODEN ??? ISSN 1177-1380. URL <http://www.math.utah.edu/pub/bibnet/authors/t/turing-alan-mathison.bib>; <http://rutherfordjournal.org/article050104.html>.
- Corry:2010:HPN**
- [Cor10] Leo Corry. Hunting prime numbers — from human to electronic computers. *Rutherford Journal*, 3(??:??, ????) 2010. CODEN ??? ISSN 1177-1380. URL <http://rutherfordjournal.org/article030105.html>.
- Copeland:2011:ATF**
- [CP12] B. Jack Copeland and Diane Proudfoot. Alan Turing and father of the modern computer. *Rutherford Journal*, 4(??:??, ????) 2011–2012. CODEN ??? ISSN 1177-1380. URL <http://rutherfordjournal.org/article040101.html>.
- Copeland:2010:SIH**
- [CPSB10] B. Jack Copeland, Carl Posy, Oron Shagrir, and Parker Bright. A special issue on the history of computing. *Rutherford Journal*, 3(??:??, ????) 2010. CODEN ??? ISSN 1177-1380.
- Doran:2006:FAT**
- [Dor07] Bob Doran. The first automatic totalisator. *Rutherford Journal*, 2 (??:??, ????) 2006–2007. CODEN ??? ISSN 1177-1380. URL <http://rutherfordjournal.org/article020109.html>.
- Doran:2018:HHH**
- [Dor18] Bob Doran. Henry Hodsdon and his ‘marble’ totalisers. *Rutherford Journal*, 5(??:??, ????) 2018. CODEN ??? ISSN 1177-1380. URL <http://rutherfordjournal.org/article050105.html>.
- Dresner:2010:TCM**
- [Dre10] Eli Dresner. Turing on computation, memory and behavior. *Rutherford Journal*, 3(??:??, ????) 2010. CODEN ??? ISSN 1177-1380. URL <http://rutherfordjournal.org/article030104.html>.
- Doran:2018:POH**
- [DT18] Bob Doran and Andrew Trotman. Preserving our heritage: New Zealand-made computers. *Rutherford Journal*, 5(??:??, ????) 2018.

CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article050106.html>.

Hauser:2006:MMH

- [Hau06] Marc D. Hauser. *Moral minds: how nature designed our universal sense of right and wrong.* Ecco, New York, NY, USA, 2006. ISBN 0-06-078070-3. xx + 489 pp. LCCN BJ1012 .H348 2006. URL <http://www.loc.gov/catdir/enhancements/fy0911/2006041324-b.html>; <http://www.loc.gov/catdir/enhancements/fy0911/2006041324-d.html>.

Harr:2005:DEF

- [He06] Rom Harr and eacute. Do explanation formats in chemistry depend on agent causality? *Rutherford Journal*, 1(??):??, ???? 2005–2006. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article010102.html>.

Magnello:2005:KPO

- [Mag06] M. Eileen Magnello. Karl Pearson and the origins of modern statistics: An elastician becomes a statistician. *Rutherford Journal*, 1(??):??, ???? 2005–2006. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article010107.html>.

Mahoney:2010:SCM

- [Mah10] Michael S. Mahoney. The structures of computation and the mathematical structure of nature. *Rutherford Journal*, 3(??):??, ???? 2010. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article030107.html>.

McCarthy:2010:FCS

- [McC10] John McCarthy. Formalizing common sense knowledge in mathematical logic. *Rutherford Journal*, 3(??):??, ???? 2010. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article030110.html>.

Musgrave:2006:LMA

- [Mus07] Alan Musgrave. The ‘miracle argument’ for scientific realism. *Rutherford Journal*, 2(??):??, ???? 2006–2007. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article020108.html>.

Numerico:2010:NML

- [Num10] Teresa Numerico. The new machine: from logic to organization. *Rutherford Journal*, 3(??):??, ???? 2010. CODEN

???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article030102.html>.

Proudfoot:2005:NIT

- [Pro06] Diane Proudfoot. A new interpretation of the Turing Test. *Rutherford Journal*, 1(??):??, ???? 2005–2006. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article010113.html>.

Richards:2005:TRM

- [Ric06] Bernard Richards. Turing, Richards and morphogenesis. *Rutherford Journal*, 1(??):??, ???? 2005–2006. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article010109.html>.

Rouly:2018:AIU

- [Rou18] Ovi Chris Rouly. Artificial intelligence using P-type unorganised machines. *Rutherford Journal*, 5(??):??, ???? 2018. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article050107.html>.

Scerri:2018:HSP

- [Sce18] Eric Scerri. How should the periodic system be regarded? A brief look at some published proposals. *Rutherford Journal*, 5(??):??, ???? 2018. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article050108.html>.

Shamir:2010:CST

- [Sha10] Eli Shamir. Computer science and technology in Israel, 1950–1980. *Rutherford Journal*, 3(??):??, ???? 2010. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article030111.html>.

Smart:2018:PMB

- [Sma18] J. J. C. Smart. From physics to metaphysics and back again. *Rutherford Journal*, 5(??):??, ???? 2018. CODEN ???? ISSN 1177-1380. URL <http://rutherfordjournal.org/article050109.html>.

Sterelny:2003:THW

- [Ste03] Kim Sterelny. *Thought in a hostile world: the evolution of human cognition*. Blackwell, Malden, MA, USA, 2003. ISBN 0-631-18886-X, 0-631-18887-8 (paperback). xi + 262 pp. LCCN BF698.95 .S74 2003. URL <http://www.loc.gov/catdir/toc/fy044/2002155980.html>.

- Steinhart:2018:ES**
- [Ste18] Eric Steinhart. The existence of software. *Rutherford Journal*, 5(??):??, ??? 2018. CODEN ??? ISSN 1177-1380. URL <http://rutherfordjournal.org/article050110.html>.
- Swade:2010:ACC**
- [Swa10] Doron D. Swade. Automatic computation: Charles Babbage and computational method. *Rutherford Journal*, 3(??):??, ??? 2010. CODEN ??? ISSN 1177-1380. URL <http://rutherfordjournal.org/article030106.html>.
- Turing:2005:MCM**
- [T⁺06] Alan Turing et al. The mind and the computing machine. *Rutherford Journal*, 1(??):??, ??? 2005–2006. CODEN ??? ISSN 1177-1380. URL <http://rutherfordjournal.org/article010111.html>.
- Tee:2006:SMP**
- [Tee07] Garry J. Tee. Science on the map: Places in New Zealand named after scientists. *Rutherford Journal*, 2(??):??, ??? 2006–2007. CODEN ??? ISSN 1177-1380. URL <http://rutherfordjournal.org/article020102.html>.
- Weierud:2005:BPS**
- [Wei06] Frode Weierud. Bletchley Park’s Sturgeon, the fish that laid no eggs. *Rutherford Journal*, 1(??):??, ??? 2005–2006. CODEN ??? ISSN 1177-1380. URL <http://rutherfordjournal.org/article010106.html>.
- Yock:2018:PPP**
- [Yoc18] Philip Yock. A perspective on particle physics. *Rutherford Journal*, 5(??):??, ??? 2018. CODEN ??? ISSN 1177-1380. URL <http://rutherfordjournal.org/article050111.html>.