RECENT BOOKS ON CYBERNETICS BY THE AUTHOR'S COUNTRY OF ORIGIN

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Compiled by Elise Hughes and Stuart Umpleby

Stuart Umpleby believed that the number of books on cybernetics had been increasing in recent years. He asked his research assistant Elise Hughes to compile a list. The list below includes some books that were published earlier but have been reissued in the last few years. He thought there would be more books from Europe than the US, since many people in the US have not heard of "cybernetics", but people in Europe seem to be more familiar with the term.

The list turned out to be longer than expected, and the number of contributions from the US and Canada were more than expected. North America (US 49 and Canada 4) contributed 53. Europe (UK to Russia) contributed 60 but if Australia is added to Europe, the number is 62. There were fewer books from Asia (China 6, Japan 1) with a total of 7. The list contains only books in English. If other languages were included (e.g., French, German, Spanish, Italian, Russian, Polish, etc.), the number of books from Europe would clearly be larger than the number of books from North America. The number of books published each year on cybernetics has been rising. See the bar chart on page 6. The fact that books published earlier have been reissued is another sign that there is renewed interest in the field in recent years.

Elise Hughes used Google Books and Amazon.com to search using the keywords "cybernetic," "cybernetics," and "cybernetician." She used each of the keywords as a general search as well as restricting the search to the title and subject fields. For example, the keyword "cybernetic" was used as a search term three times in Google Books, once in the standard search bar, and twice using the advanced search function to fill in the "title" and "subject" fields respectively. This process was repeated for each of the keywords and again on Amazon. At the end of this process each keyword had been used six times, and overall a total of 18 searches were completed. She restricted the publishing date to 2000 and later. The list includes books that have been rereleased within this time frame.

In order to find the first author's country of origin Ms. Hughes used the "About the Author" section of Amazon, book jacket biographies, and Google. Many of the authors of the rereleased books were notable enough to have Wikipedia pages.

The list can be used to answer a number of questions. Do authors think cybernetics is a technical discipline or a theoretical and philosophical field? Does "cybernetics" refer to the use of computers in society and organizations?

We welcome suggested modifications of this list – additions, deletions, and reassignments.

United States – 49

- 2017; Roberts, Scott J. and Kyle R. Maxwell; *Intelligence-Driven Incident Response: Outwitting the Adversary*
- 2016; Gillette, Colby; *The Cybernetics Club: Wired Veins & Reboot*
- 2016; Kelly, Kevin; *The Inevitable: Understanding the 12 Technological Forces That Will Shape Our Future*
- 2016; Kolb, David A.; *A Cybernetic Model of Human Change and Growth (*Classic Reprint*)*
- 2016; McCulloch, Warren S. and Seymour A. Papert; *Embodiments of Mind*

- 2016; US Government; *Cyberspace Command and Control Model: The Nature of Cyberspace, Computer Networks, Information Environment, Internet, Data Manipulation, Legal Authorities, Cyber Attack, Cybernetics, Systems Theory*
- 2016; Wiener, Norbert; *Cybernetics: Or Control and Communication in the Animal and the Machine*
- 2016; Xiao, Yang; *Bio-Inspired Computing and Networking*
- 2015; Gay, Malcolm; *The Brain Electric: The Dramatic High-Tech Race to Merge Minds and Machines*
- 2015; Goodman, Marc; *Future Crimes: Everything Is Connected, Everyone Is Vulnerable and What We Can Do About It*
- 2015; Hastreiter, Kim, Thomas Mandel, and Gerard Van der Leun; *Heaven: The Online Death of a Cybernetic Futurist*
- 2015; Kline, Ronald R.; *The Cybernetics Moment: Or Why We Call Our Age the Information Age*
- 2015; United States Army Command and General Staff College; *Adaptation, Learning, and the Art of War: A Cybernetic Perspective*
- 2015; Wood, Roger H. and Richard J. Wood; *Cultural Evolution and Ceramic Artifacts: Archaeology, Cybernetics and Psychoanalytic Theory*
- 2015; Zannetos, Zenon S. and Jarrod W. Wilcox; *The management process, management information and control systems, and cybernetics*
- 2014; Aribib, Michael A.; *Computers and the Cybernetic Society*
- 2014; Capra, Fritof, and Pier Luigi Luisi; *The Systems View of Life: A Unifying Vision*
- 2014; Clarke, Bruce; *Neocybernetics and Narrative*
- 2014; Medina, Eden; *Cybernetic Revolutionaries: Technology and Politics in Allende's Chile*
- 2014; Sayre, Kenneth; *Cybernetics and the Philosophy of Mind*
- 2014; Smith, Thomas J., Robert A. Henning, Michael G. Wade, and Thomas Fisher; *Variability in Human Performance*
- 2013; Anderson, U. S.; *Success Cybernetics*
- 2013; Maltz, Maxwell; *Psycho-Cybernetics and Self-Fulfillment*
- 2013; Pruchnic, Jeff; *Rhetoric and Ethics in the Cybernetic Age: The Transhuman Condition*
- 2013; Singer, P. W. and Allan Friedman; *Cybersecurity and Cyberwar: What Everyone Needs to Know*
- 2012; Casten, J. D.; *Cybernetic Revelation: Deconstructing Artificial Intelligence*
- 2012; Pierce, John R.; *An Introduction to Information Theory: Symbols, Signals and Noise*
- 2012; Saunders, Robert A.; *Ethnopolitics in Cyberspace: The Internet, Minority Nationalism, and the Web of Identity*
- 2011; Simeone, Michael P.; *American Gadgets: Cybernetics, Consumer Electronics, and Twentieth-century US Fiction*
- 2011; Stephenson Keeney, Hillary; *Circular Poetics: Cybernetics, Zen Koans, and the Art of Creative Transformative Pedagogy*
- 2011; Weck, Olivier L. de and Daniel Roos; *Engineering Systems: Meeting Human Needs in a Complex Technological World*
- 2010; Duncan, Robert; *Project Soul Catcher: Secrets of Cyber and Cybernetic Warfare Revealed*
- 2010; Kelly, Kevin; *What Technology Wants*
- 2010; Turner, Fred ; *From Counterculture to Cyberculture*
- 2009; Meadows, Donella H.; *Thinking in Systems: A Primer*
- 2009; Wallis, Steven E.; *Cybernetics and Systems Theory in Management: Tools, Views, and Advancements*
- 2008; Ehlers, John F.; *Cybernetic Analysis for Stocks and Futures*
- 2008; Hayles, N. Katherine; *How We Became Posthuman: Virtual Bodies in Cybernetics, Literature, and Informatics*
- 2008; Johnston, John; *The Allure of Machinic Life: Cybernetics, Artificial Life, and the New AI*

- 2008; Ruggiero, Murray A.; *Cybernetic Trading Strategies: Developing a Profitable Trading System with State-of-the-Art Technologies*
- 2007; Christopher, William F; *Holistic management; managing what matters for company success*
- 2007; Hight, Christopher; *Architectural Principles in the Age of Cybernetics*
- 2006; Conway, Flo and Jim Siegelman; *Dark Hero of the Information Age: In Search of Norbert Wiener, the Father of Cybernetics*
- 2005; Mayes, Randall Elam; *The Cybernetics of Kenyan Running: Hurry, Hurry Has No Blessing*
- 2005; Steier, Frederick; *Gregory Bateson: Essays for an Ecology of Ideas (*A special issue of *Cybernetics & Human Knowing)*
- 2004; Gerovitch, Slava ; *From Newspeak to Cyberspeak: A History of Soviet Cybernetics*
- 2002; Maltz, Maxwell; *New Psycho-Cybernetics*
- 2002; Mindell, David A.; *Between Human and Machine: Feedback, Control, and Computing Before Cybernetics*
- 2002; Steinbruner, John D.; *The Cybernetic Theory of Decision: New Dimensions of Political Analysis*

United Kingdom – 20

- 2016; Apter, Michael J.; *Cybernetics and Development: International Series of Monographs in Pure and Applied Biology: Zoology*
- 2016; Rid, Thomas; *Rise of the Machines: A Cybernetic History*
- 2015; Ashby, W. Ross; *An Introduction to Cybernetics*
- 2015; Barbrook, Richard and Andy Cameron; *The Internet Revolution: From Dot-com Capitalism to Cybernetic Communism*
- 2015; Espejo, Raul; *The Cybernetics of Self-organization*
- 2015; McCorquodale, Duncan; *Robot: Artificial Intelligence, Cybernetics and the Machine*
- 2015; Vickers, Michael; *On Wings of Light: Reflections on Cybernetics, Africa and the Wider World*
- 2014; Black, Jeremy; *The Power of Knowledge: How Information and Technology Made the Modern World*
- 2014; Hodges, Andrew and Hofstader, Douglas R; *Alan Turing: the enigma*
- 2011; Espejo, Raul; *Organizational Cybernetics*
- 2011; Espejo, Raul and Reyes, Alfonso; *Organizational Systems: Managing Complexity With the Viable System Model*
- 2011; Pask, Gordon; *The Cybernetics of Self-Organisation, Learning and Evolution*
- 2011; Scott, Bernard; *Explorations in Second-order Cybernetics: Reflections on Cybernetics, Psychology and Education*
- 2010; Pickering, Andrew; *The Cybernetic Brain: Sketches of Another Future*
- 2009; Andrew, Alex M.; *A Missing Link in Cybernetics: Logic and Continuity*
- 2007; Glanville, Ranulph; *Gordon Pask, Philosopher Mechanic: An Introduction to the Cybernetician's Cybernetician*
- 2006; Yolles, Maurice; *Organizations as Complex Systems: An Introduction to Knowledge Cybernetics*
- 2004; Espejo, Raul; *Tribute to Stafford Beer, Guest editor of Kybernetes*
- 2002; Flood, Robert Louis; *Rethinking the Fifth Discipline: Learning Within the Unknowable*
- 2001; Espejo, Raul and Reyes, Alfonso; *The State of the State, Guest editor of Systemic Practice and Action Research*

Austria – 7

- 2016; Malik, Fredmund and Jutta Scherer; *Strategy for Managing Complex Systems: A Contribution to Management Cybernetics for Evolutionary Systems*

- 2016; Riegler A. and Müller K. H. (eds.); *Varieties of Contemporary Second-Order Cybernetics (*A special issue of *Constructivist Foundations* 11/3)
- 2015; Nierhaus, Gerhard; *Patterns of Intuition: Musical Creativity in the Light of Algorithmic Composition*
- 2014; Riegler A. and Müller K. H. (eds.); *Second-Order Science (A special issue of Constructivist Foundations* 10/1)
- 2013; Foerster, Heinz von and Albert and Karl Müller; *The Beginning of Heaven and Earth Has No Name: Seven Days with Second-Order Cybernetics*
- 2008; Bachler, Elke Barbara; *The Innovative Mind - Characters & Cybernetics*
- 2000; Grössing, Gerhard; *Quantum Cybernetics: Toward a Unification of Relativity and Quantum Theory via Circularly Causal Modeling*

Denmark – 7

- 2016; Brier, Soren, Phillip Guddemi, and Louis H. Kauffman ; *Ranulph Glanville and How to Live the Cybernetics of Unknowing*
- 2011; Fischer, Elvira; *Visual motion and self-motion processing in the human brain, (*MPI Series in *Biological Cybernetics)*
- 2011; Sorensen, Bent and Torkild Thellefsen; *The Scientific Metaphysics of Charles S. Peirce (*A special issue of *Cybernetics & Human Knowing)*
- 2008; Brier, Soren, Dirk Baecker, and Ole Thyssen; *Cybernetics & Human Knowing, Volume 14: A Journal of Second-Order Cybernetics Autopoiesis and Cyber-Semiotics*
- 2007; Brier, Soren and Louis H. Kauffman; *History and Synergies in Cybersemiotics (*A special issue of *Cybernetics & Human Knowing)*
- 2004; Brier, Soren and Ranulph Glanville; *Heinz Von Foerster 1911-2002 (*A special issue of *Cybernetics & Human Knowing)*
- 2002; Brier, Soren and Jeanette Bopry; *Francisco J. Varela 1946-2001(*A special issue of *Cybernetics & Human Knowing)*

Germany – 7

- 2017; Holl, Ute; *Cinema, Trance and Cybernetics*
- 2016; Deissler, Gebhard; *Political Cybernetics*
- 2016; Günter, Oliver; *Market Cybernetics: Financial Markets Structure & Dynamics*
- 2016; Pias, Claus ; *Cybernetics: The Macy Conferences 1946-1953 - The Complete Transactions*
- 2014; Jeschke, Sabina, Ingrid Isenhardt, Frank Hees, and Klaus Henning; *Automation, Communication and Cybernetics in Science and Engineering*
- 2009; Schwaninger, Markus; *Intelligent organizations: powerful models for systemic management*
- 2003; Pias, Claus ; *Cybernetics: Transactions*

China – 6

- 2016; Choi, Tsan-Ming; *Service Supply Chain Systems: A Systems Engineering Approach (Communications in Cybernetics, Systems Science and Engineering)*
- 2015; Chan, Lanz; *Automated-Trading Strategies with Risk-Cybernetics: Algorithmic and Quantitative Machine-Learning Setups for Traders*
- 2014; Xu, Jiuping and Liming Yao; *Innovative Approaches Towards Low Carbon Economics: Regional Development Cybernetics*
- 2013; Zhong, Shaobo; *Proceedings of the 2012 International Conference on Cybernetics and Informatics*

- 2011; Jiang, Liangzhong; *Proceedings of the 2011 International Conference on Informatics, Cybernetics, and Computer Engineering (ICCE2011) November 19-20, 2011, Melbourne, Australia: Volume 1: Intelligent Control and Network Communication*
- 2006; Yeung, Daniel S., Zhi-Qiang Liu, Xi-Zhao Wang, and Hong Yan; *Advances in Machine Learning and Cybernetics: 4th International Conference, ICMLC 2005, Guangzhou, China, August 18-21, 2005, Revised Selected Papers*

Canada – 4

- 2016; Abraham, Tara; *Rebel Genius: Warren S. McCulloch's Transdisciplinary Life in Science*
- 2016; Katz, Meredith; *The Cybernetic Tea Shop*
- 2016; Mellamphy, Dan and Nandita Biswas Mellamphy; *The Digital Dionysus: Nietzsche and the Network-Centric Condition*
- 2003; Lasker, George Eric; *Information Systems Research and Management Cybernetics, Volume 1*

Netherlands – 4

- 2016; Llerena Moran, Jose Luis; *An Implementation Model for Integrated Computer Aided Maintenance Management Systems: A systems/cybernetic Approach for Design, Modelling & Configuration*
- 2009; Achterbergh, Jan and Vriers, Dirk; *Organizations: social systems conducting experiments*
- 2008; De Jong, Daan A.; *Progress in Biological Cybernetics Research*
- 2001; Geyer, R. Felix and J. van der Zouwen; *Sociocybernetics: Complexity, Autopoiesis, and Observation of Social Systems*

Russia – 4

- 2016; Grinin, Leonid E.; *The Cybernetic Revolution and the Forthcoming Epoch of Self-Regulating Systems*
- 2016; Kvitash, Vadim; *Novel Properties of Living and Other Super-Complex Systems (Communications in Cybernetics, Systems Science and Engineering)*
- 2015; Novikov, D. A.; *Cybernetics: From Past to Future (Studies in Systems, Decision and Control)*
- 2013; Safonova, Tatiana; *Culture Contact in Evenki Land: A Cybernetic Anthropology of the Baikal Region*

Australia – 2

- 2014; Arthur, P., and K. Bode; *Advancing Digital Humanities: Research, Methods, Theories*
- 2007; Marvell, Leon; *Transfigured Light: Philosophy, Cybernetics and the Hermetic Imaginary*

Belgium – 2

- 2013; Vijver, G.; *New Perspectives on Cybernetics: Self-Organization, Autonomy and Connectionism*
- 2004; François, Charles; *International Encyclopedia of Systems and Cybernetics*

Solvenia – 2

- 2015; Ivanuša, Teodora; *The Cybernetics of Security and Defense Systems*
- 2006; Mulej, Matjaž; *Systems, Cybernetics and Innovations*

Greece – 1

- 2016; Yiannoudes, Socrates; *Architecture and Adaptation: From Cybernetics to Tangible Computing*

Hungary – 1

- 2014; Barabasi, Albert-laszlo and Jennifer Frangos; *Linked: The New Science Of Networks*

Italy – 1

- 2012; Cecchin, Gianfranco and Gerry Lane; *Cybernetics of Prejudices in the Practice of Psychotherapy*

Japan – 1

- 2002; Hashimoto, Koichi, Yutaka Yamamoto, and Yasuaki Oishi; *Control and Modeling of Complex Systems: Cybernetics in the 21st Century*

Poland – 1

- 2014; Lange, Oskar; *Introduction to Economic Cybernetics*

Portugal – 1

- 2008; Teneiro Machado, J. A., Béla Pátkai, and Imre J. Rudas; *Intelligent Engineering Systems and Computational Cybernetics*

Spain – 1

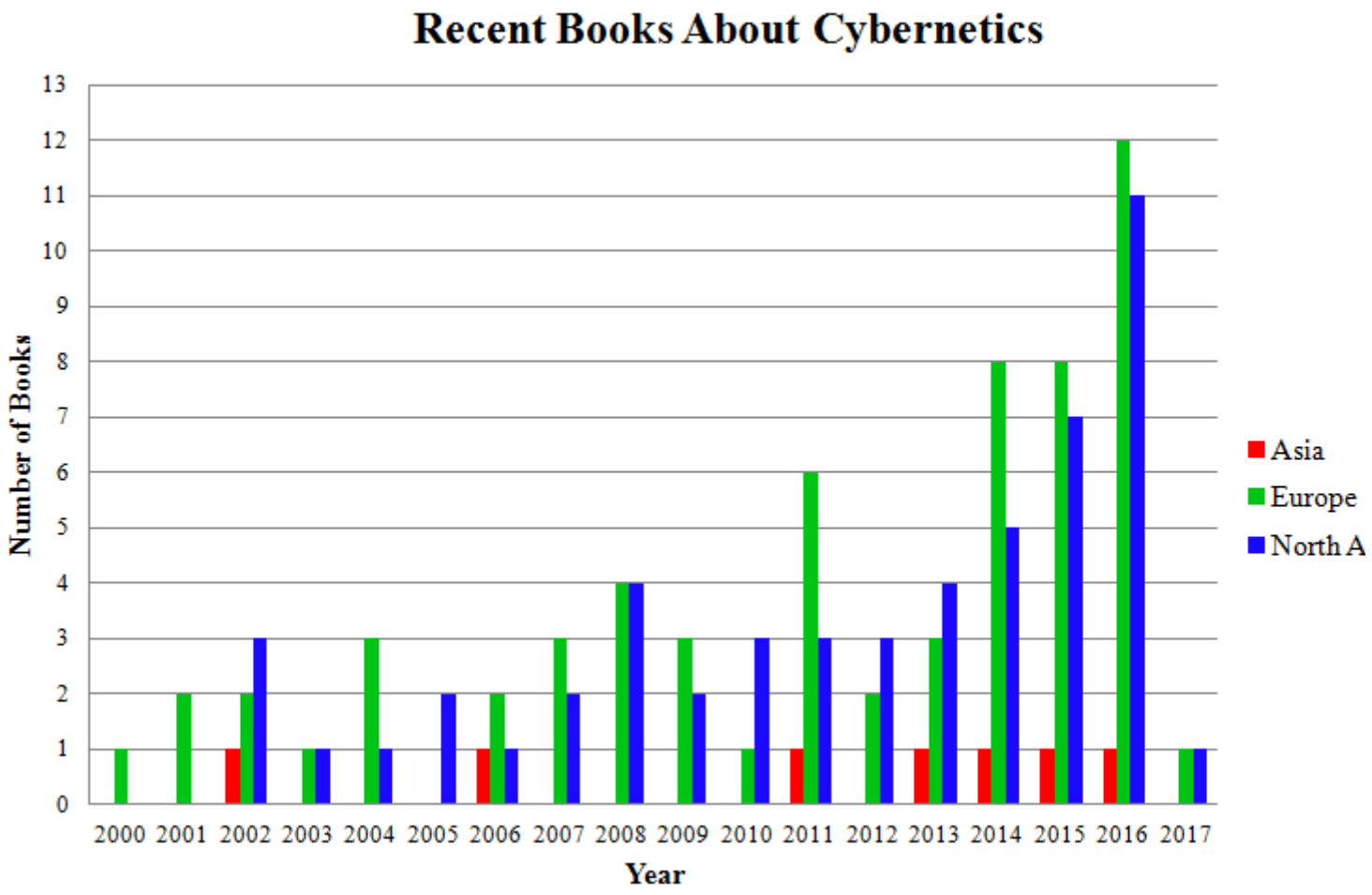
- 2012; Perez Rios, Jose; *Design and Diagnosis for Sustainable Organizations*

Switzerland – 1

- 2014; Lent, Bogdan; *Cybernetic Approach to Project Management*

Country Unknown – 9

- 2016; Fletcher, T.; *Cybernetics: The Revolution*
- 2016; Lippold, Weldon; *Advanced Topics in Cybernetics: Self Organization*
- 2016; Ras, Noah; *Cybersecurity: Cyberwar*
- 2015; Hebden, Cara; *Cybernetic Justice*
- 2015; Miranda, Francisco; *Control Theory: Perspectives, Applications and Developments*
- 2007; Williams, Thomas O.; *Biological Cybernetics Research Trends*
- 2006; Heller, Christian; *Cybernetics Oriented Programming (CYBOP): An Investigation on the Applicability of Inter-disciplinary Concepts to Software System Development*
- 2005; Venturella, Vincent; *Future Lost: A Cybernetic Sci-Fi Role Playing Game*
- 2002; Loker, Altan; *Cognitive-Behavioral Cybernetics of Symptoms, Dreams, Lateralization*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