from

A Bibliography of Literary Theory, Criticism and Philology

<http://bit.ly/abibliog>

by José Ángel García Landa

(University of Zaragoza, Spain)

# Cybernetics

Ashby, W. Ross. "Adaptiveness and Equilibrium." *J. Ment. Sci.* 86 (1940): 478.

\_\_\_\_\_. "Effects of Control on Stability." *Nature* 155 (1945): 242–43.

\_\_\_\_\_. [*Design for a Brain*](https://archive.org/details/designforbrainor00ashb). Chapman & Hall, 1952.

\_\_\_\_\_. *An Introduction to Cybernetics.* London: Chapman and Hall, 1956.

\_\_\_\_\_. [*An Introduction to Cybernetics*](http://pespmc1.vub.ac.be/ASHBBOOK.html). Chapman & Hall, 1956.

\_\_\_\_\_. "La seconde génération de la micro-électronique." *La Recherche* 2 (June 1970).

\_\_\_\_\_. *Mechanisms of Intelligence: Ross Ashby's Writings on Cybernetics*. Ed. Roger C. Conant. Intersystems Publishers., 1981.

Bellert, S. "La formation des systèmes cybernétiques." In *Le Concept d'information dans la science contemporaine.* Paris: Minuit, 1965.

Birkets, Sven. "Into the Electronic Millennium." *Boston Review* (October 1991): 14-18.

Brier, Soren. *Cybersemiotics: Why Information Is Not Enough.* 2008.

Calvino, Italo. "Cybernetics and Ghosts." In Calvino, *The Literature Machine.* Trans. Patrick Creagh. London: Pan/Secker & Warburg, 1987. 3-27.\*

Churchland, P., and T. J. Sejnowski. *The Computational Brain.* Cambridge (MA): MIT Press, 1992.

Dery, Mark. *Escape Velocity: Cyberculture at the End of the Century.* London: Grove Press, 1997.

\_\_\_\_\_, ed. *Flame Wars: The Discourse of Cyberculture*. Durham (NC): Duke UP, 1994.

Foerster, H. von *Cybernetics: Ninth Conference.* New York: Josiah Macy, Jr. Foundation, 1953.

García Landa, José Ángel. "CyberNetics." In García Landa, *Vanity Fea* 20 Oct. 2005.

<http://garciala.blogia.com/2005/102002-cybernetics.php>

2005-10-31

\_\_\_\_\_. "El sueño de Ada Byron." In García Landa, *Vanity Fea* 31 August 2012.\*

<http://vanityfea.blogspot.com.es/2012/08/el-sueno-de-ada-byron.html>

2012

Gleick, James. "8 El giro informacional." In Gleick, *La información.* Barcelona: Crítica, 2012. 237-72.\* (Wiener, Shannon, Turing).

Hayles, N. Katherine. *How We Became Posthuman: Virtual Bodies in Cybernetics, Literature, and Informatics.* Chicago: Chicago UP, 1999.\*

Heims Steve J. *John von Neumann and Norbert Wiener.* The MIT Press, Cambridge (Mass),1981.

Hilbert and D. Kemp. "Information in the Biosphere: Biological and Digital Worlds." *Trends in Ecology & Evolution* 31.3 (2016): 180-89.

López-Pellisa, Teresa. *Patologías de la realidad virtual: Cibercultura y ciencia ficción.* FCE, 2015.

Missika, Louis, and Dominique Wolton. *Les Réseaux pensants.* Librairie technique et documentaire, 1978.

Moch, R. "Le tournant informatique." *Documents contributifs,* Annex 4, *L'Informatisation de la société*. Paris: La Documentation Française, 1978.

Nora, P., and A. Minc. *L'Informatisation de la société.* Paris: La Documentation Française, 1978.

Porush, David. *The Soft Machine: Cybernetic Fiction.* New York: Methuen, 1985.

Salaverría, R., ed. *Cibermedios*. CSEP, 2005.

Terceiro, José B. *Sociedad digital: del homo sapiens al homo digitalis.* (Libros singulares). Madrid: Alianza, 1996.

Trappl, R., ed. *Cybernetics and Systems' 90.* Singapore: World Scientific, 1990.

von Neumann, John. *The Computer and the Brain.* New Haven: Yale UP, 1958.

Weizenbaum, Joseph. *Computer Power and Human Reason: From Judgment to Calculation*. Freeman, 1976.

Wiener, Norbert. *Cybernetics or Control and Communication in the Animal and the Machine.* Paris: Hermann et Cie, Cambridge (MA): The MIT Press; New York: Wiley and Sons, 1948. 2nd ed., revised, with two more chapters, Cambridge (MA): MIT Press; New York: Wiley and Sons, 1961.

*\_\_\_\_\_. Cibernética: O el Control y comunicación en animales y máquinas.* Trans. Francisco Martín. (Metatemas, 8). Barcelona: Tusquets, 1985. (Part I, 1st ed. (1948); Part II supplementary chapters (1961) IX and X).

\_\_\_\_\_. "Introducción." In Wiener, *Cibernética.* Barcelona: Tusquets, 1985. 23-54.\*

\_\_\_\_\_. "I. Tiempo newtoniano y tiempo bergsoniano." In Wiener, *Cibernética.* Barcelona: Tusquets, 1985. 55-70.\*

\_\_\_\_\_. "II. Grupos y mecánica estadística." In Wiener, *Cibernética.* Barcelona: Tusquets, 1985. 71-88.\*

\_\_\_\_\_. "III. Series temporales, información y comunicación." In Wiener, *Cibernética.* Barcelona: Tusquets, 1985. 89-132.\*

\_\_\_\_\_. "IV. Retroalimentación y oscilación." In Wiener, *Cibernética.* Barcelona: Tusquets, 1985. 133-58.\*

\_\_\_\_\_. "V. Computadoras y sistema nervioso." In Wiener, *Cibernética.* Barcelona: Tusquets, 1985. 159-78.\*

\_\_\_\_\_. "VI. Gestalt y universales." In Wiener, *Cibernética.* Barcelona: Tusquets, 1985. 179-90.\*

\_\_\_\_\_. "VII. Cibernética y psicopatología." In Wiener, *Cibernética.* Barcelona: Tusquets, 1985. 191-204.\*

\_\_\_\_\_. "VIII. Información, lenguaje y sociedad." In Wiener, *Cibernética.* Barcelona: Tusquets, 1985. 205-16.\*

\_\_\_\_\_. "IX. Sobre máquinas que aprenden y se autorreproducen." In Wiener, *Cibernética.* Barcelona: Tusquets, 1985. 219-32.\*

\_\_\_\_\_. "X. Ondas cerebrales y sistemas autoorganizados." In Wiener, *Cibernética.* Barcelona: Tusquets, 1985. 233-58.\*

\_\_\_\_\_. *Extrapolation, Interpolation and Smoothing of Stationary Time Series with Engineering Applications*, Cambridge (MA): MIT Press; New York: Wiley and Sons; London: Chapman & Hall, 1949.

\_\_\_\_\_. *Cybernetics and Society: The Human Use of Human Beings.* Boston: Houghton Mifflin, 1950.

\_\_\_\_\_. *Cybernetics and Society: The Human Use of Human Beings.* Boston: Houghton Mifflin, 1949.

\_\_\_\_\_. *Extrapolation, Interpolation and Smoothing of Stationary Time Series with Engineering Applications*, Cambridge (MA): MIT Press; New York: Wiley and Sons; London: Chapman & Hall, 1949.

\_\_\_\_\_. *God, Golem, Inc. A Comment on Certain Points Where Cybernetics Impinges on Religion.* The MIT Press, Cambridge (Mass.), 1964.

\_\_\_\_\_. *Collected Works.* Ed. P. R. Masani. Cambridge (MA): MIT Press. Vol. I, 1976, vol. II, 1979, vol. III, 1981, vol. IV, 1985.

Warrick, Patricia S. *The Cybernetic Imagination in Science Fiction.* Cambridge: MIT Press, 1980.\* (Asimov, Delany, Dick, Evolution, consciousness, Lem, Wells).

Yolles, Maurice. *Organizations as Complex Systems: An Introduction to Knowledge Cybernetics.* (Managing the Complex, 2). Greenwich (CT): Information Age Publishing, 2006. Online at *Academia.\**

<https://www.academia.edu/170622/>

2019

Journals

*Biological Cybernetics* 54 (1986).

*Byte* 6 (1981).

*Communications of the ACM* 13 (1970).

*ACM Transactions on Information Systems* 7 (1989).

*Biol.* *Cybernetics* 23 (1976).

*Fibreculture Journal* 3 (2004).

<http://journal.fibreculture.org/>

2005

*Humankybernetik* 30.4 (1989.

*JoDI: Journal of Digital Information* (2003):

<http://jodi.ecs.soton.ac.uk>

*Journal of Systems and Information Technology* 11.2 (May 2009).

*Petermr's Blog.* (Peter Murrary-Rust, professor of Molecular Informatics, U of Cambridge).

<http://wwmm.ch.cam.ac.uk/blogs/murrayrust/>

2008

*Wired News* 3 Oct. 2005.

Video

Fridman, Lex. "Stephen Wolfram: Fundamental Theory of Physics, Life, and the Universe | Lex Fridman Podcast #124." Video interview. *YouTube (Lex Fridman)* 16 Sept. 2020.\* (Models, Reducibility, Cybernetics, Computation, Pandemics, Theories, Quantum theory, Relativity, Mathematics, Multiverse)

<https://youtu.be/-t1_ffaFXao>

2022

See also Computers; Information science; Systems theory.