

## Publications on Cybernetics

### Klaus Krippendorff

#### Books and Monographs

*On Communicating; Otherness, Meaning, and Information.* Fernando Bermejo (Ed.). 372 pages. New York: Routledge, 2009.

*Information Theory: Structural Models for Qualitative Data;* 96 pages. Beverly Hills, CA: Sage Publications, 1986.

*A Dictionary of Cybernetics.* Norfolk VA: The American Society for Cybernetics, 1986.

[http://repository.upenn.edu/asc\\_papers/224](http://repository.upenn.edu/asc_papers/224) Entrees also available on:

<http://pespmc1.vub.ac.be/ASC/INDEXASC.html>

#### Edited and Coedited Volumes

Special issue devoted to Autopoiesis with Milan Zeleny (Ed.). 39 pages. *Cybernetic Forum 10*, 2&3, 1981.

*Communication and Control in Society.* (Ed.). 597 pages. New York: Gordon and Breach, 1979.

#### Book Chapters

Cybernetics. Pages 285-290 in *Encyclopedia of Communication Theory*, S. W. Littlejohn & K. A. Foss (Eds). Los Angeles: Sage, 2009

Mathematical Theory of Communication. Pages 614-618 in *Encyclopedia of Communication Theory*, S. W. Littlejohn & K. A. Foss (Eds). Los Angeles: Sage, 2009. [http://repository.upenn.edu/asc\\_papers/169](http://repository.upenn.edu/asc_papers/169)

Cybernetics. Pages 1152-1159 in *The International Encyclopedia of Communication* (ed. W. Donsbach), Vol. V. Oxford UK and Malden, MA: Wiley-Blackwell, 2008.

A Recursive Theory of Communication. Pages 78-104 in David Crowley and David Mitchell (Eds.). *Communication Theory Today*. Cambridge UK: Polity Press, 1994.

[http://repository.upenn.edu/asc\\_papers/209](http://repository.upenn.edu/asc_papers/209)

Cybernetics. Pages 443-446 in Erik Barnouw et al. (Ed.). *International Encyclopedia of Communications*, Vol. 1. New York: Oxford University Press, 1989. [http://repository.upenn.edu/asc\\_papers/211](http://repository.upenn.edu/asc_papers/211)

Information Theory. Pages 314-320 in Erik Barnouw et al. (Ed.). *International Encyclopedia of Communication*, Vol 2. New York: Oxford University Press, 1989. [http://repository.upenn.edu/asc\\_papers/212](http://repository.upenn.edu/asc_papers/212)

Shannon, Claude. Pages 58-61 in Erik Barnouw et al. (Ed.). *International Encyclopedia of Communications*, Vol. 4. New York: Oxford University Press, 1989. [http://repository.upenn.edu/asc\\_papers/213](http://repository.upenn.edu/asc_papers/213)

Paradigms for Communication and Development with Emphasis on Autopoiesis. Chapter 14, pages 189-208 in D. Lawrence Kincaid (Ed.). *Communication Theory: Eastern and Western Perspectives*. New York: Academic Press, 1987.

Paradox and Information. Chapter 2, in Brenda Dervin and Melvin J. Voigt (Eds.). *Progress in Communication Sciences*, 5:45-71, 1984.

With Frederick Steier. Cybernetic Properties of Helping; the Organizational Level. Pages 89-94 in Richard F. Ericson (Ed.). *Improving the Human Condition: Quality and Stability in Social Systems*. Louisville KY: Society for General Systems Research, August 1979. [http://repository.upenn.edu/asc\\_papers/206](http://repository.upenn.edu/asc_papers/206)

The Systems Approach to Communication. Chapter 10, pages 138-163 in Brent D. Ruben and John Y. Kim (Eds.). *General Systems Theory and Human Communication*. Rochelle Park NJ: Hayden Book Co., 1975.

Information Theory. Chapter 17, pages 351-389 in Gerhard J. Hanneman and William J. McEvan (Eds.).

*Communication and Behavior*. Reading MA: Addison-Wesley, 1975.

## Journal Articles

- Conversation: Possibilities of its Repair and Descent into Discourse and Computation. *Constructivist Foundations* 4, 3: 135-147, 2009. [http://repository.upenn.edu/asc\\_papers/134](http://repository.upenn.edu/asc_papers/134)
- Cybernetics's Reflexive Turns. *Cybernetics and Human Knowing* 15, 3-4: 173-184, 2008. [http://repository.upenn.edu/asc\\_papers/136](http://repository.upenn.edu/asc_papers/136)
- Ross Ashby's Information Theory: A bit of History, Some Solutions to Problems, and What We Face Today. *International Journal of General Systems* 38, 2: 189-212, 2009. Correction of Figure 12, *International Journal of General Systems* 38, 6: 667-668, 2009. [http://repository.upenn.edu/asc\\_papers/237](http://repository.upenn.edu/asc_papers/237)
- Towards a Radically Social Constructivism. *Constructivist Foundation* 3, 2: 91-94, 2008. [http://repository.upenn.edu/asc\\_papers/133](http://repository.upenn.edu/asc_papers/133)
- The Cybernetics of Design and the Design of Cybernetics. *Kybernetes* 36, 9-10: 1381-1392, 2007. [http://repository.upenn.edu/asc\\_papers/48/](http://repository.upenn.edu/asc_papers/48/)
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- Rhetorische Geniestreiche. *Lernende Organisation*, 11, February: 59-60, 2003.
- Afterword (to an issue devoted to the work of Francisco J. Varela). *Cybernetics & Human Knowing* 9, 2: 95-96, 2002.
- A Second-order Cybernetics of Otherness. *Systems Research* 13, 3: 311-328, 1996. [http://repository.upenn.edu/asc\\_papers/80](http://repository.upenn.edu/asc_papers/80)
- Information, Information Society, and Some Marxian Propositions. *Information and Behavior* 5: 487-521, 1992. [http://repository.upenn.edu/asc\\_papers/216](http://repository.upenn.edu/asc_papers/216)
- Communication from a Cybernetic Perspective. *Informatologia Yugoslavica* 16, 1&2: 51-78, 1985. [http://repository.upenn.edu/asc\\_papers/218](http://repository.upenn.edu/asc_papers/218)
- Some Principles of Information Storage and Retrieval in Society. *General Systems* 20: 15-35, 1975. [http://repository.upenn.edu/asc\\_papers/229](http://repository.upenn.edu/asc_papers/229) Reprinted in *Communications* 4, 1: 5-34, & 4,2:141-156, 1978.
- Conclusions from the ASC Conference on Communication and Control in Social Processes, October 31-November 2, 1974 at the University of Pennsylvania. *Kybernetes* 4: 188-189, 1975; *Cybernetics Forum* 7, 1: 22-23, 1975.
- Adding Large Numbers by Computer. *Journal of Cybernetics* 3, 3: 13-14, 1973.
- Communication and the Genesis of Structure. *General Systems* 16: 171-185, 1971. [http://repository.upenn.edu/asc\\_papers/225](http://repository.upenn.edu/asc_papers/225)
- On Generating Data in Communication Research. *Journal of Communication* 20: 241-269, 1970. [http://repository.upenn.edu/asc\\_papers/273](http://repository.upenn.edu/asc_papers/273)

## Publications in Informal Conference Proceedings

- With Frederick Steier. Cybernetic Properties of Helping; the Organizational Level. Conference of the Society for General Systems Research: *Improving the Human Condition: Quality and Stability in Social Systems*. London, England, August 1979. [http://repository.upenn.edu/asc\\_papers/206](http://repository.upenn.edu/asc_papers/206)

## Book Reviews

- The Dream of Reality: Heinz von Foerster's Constructivism*, by Lynn Segal. New York & London: Norton, 1986. *Journal of Communication* 37,2: 155-158, 1987.

*The Sciences and Praxis of Complexity*. New York: U.N. University, 1985. *Journal of Communication* 36,3: 180-183, 1986.

*Self-Organization and Management of Social Systems: Insights, Promises, Doubts and Questions*, by H. Ulrich and G.J.B. Probst (Eds.). Berlin: Springer 1984. *European Journal of Operational Research* 27: 253-254, 1986.

*Cybernetic Principles of Learning and Educational Design*, by Karl U. Smith and Margaret Foltz Smith, New York: Holt, Rinehart and Winston, Inc., 1966. *AV Communication Review* 15,2: 216-218, 1967.

### **Research Reports and Proposals**

An Outline for BATIC: A Teaching Device for Demonstration of and Experimentation with Basic Automata Theory In Cybernetics and in Communications. Philadelphia: The Annenberg School of Communications, University of Pennsylvania, 1964 (mimeo).

### **Other Papers and Work in Progress**

Second-order Cybernetics, A Conversation that Reflects on Itself. Philadelphia: The Annenberg School for Communication, University of Pennsylvania, 2000.

A Paradigm Shift Invoked by the Emerging Cyberspaces. Paper presented to a conference on “Connected Intelligence; Humans in Information Systems” at the Center for Art and Media, Karlsruhe, Germany, October 28-30, 1997. Also discussed at the conference on Design, Planning and Human Understanding of the American Society for Cybernetics, April 2-5, 1998, Santa Cruz, CA.

Information, In-formation and in Formation in Theory and Practice. Philadelphia: The Annenberg School for Communication, mimeo. Requested for publication, 1990.

Towards a Cybernetics of (Mass-Media) Institutions. Sari Thomas and Nancy Signorielli (Eds.). *Essays in Honor of George Gerbner*, in press. [http://repository.upenn.edu/asc\\_papers/251](http://repository.upenn.edu/asc_papers/251)

On Constructing People in Social Inquiry. Philadelphia: The Annenberg School of Communications, University of Pennsylvania, 1986 (mimeo).

Communication from a Cybernetic Perspective, East and West? Philadelphia: The Annenberg School of Communications, University of Pennsylvania, 1982 (mimeo).

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