

11/6/100
Engineering
Electrical and Computer Engineering
American Society for Cybernetics Publications, 1943-

Box 1:

ASC academic journals

ASC Communications, October 1968-July 1969

Journal of Cybernetics vol. 1-3, January 1971-June 1973 (4 folders)

Box 2:

Journal of Cybernetics vol. 3-4, July 1973-March 1974 (2 folders)

ASC Forum vol. 6-9, 1974-79

Box 3:

ASC Cybernetics Forum vol. 10, 1981

Journal of Cybernetics and Info Science vol. 1-3, 1977-80 (3 folders)

Communication and Anti-Communication vol. 1-2, undated (c. 1997)

Box 4:

Cybernetic vol. 1:1, 1985

Cybernetic 2:1, 1986

Cybernetics and Human Knowing vol. 1, 1992

ASC newsletter

ASC News vol. 1-3, 1968-70

ASC Forum vol. 4-6, 1972-74

ASC Newsletter vol. 1-17, 1980-82

Box 5:

The Newsletter: ASC, November 1989-April 1991

Annual Symposia and Conference Papers

Purposive Systems, 1968 (1st)

Cybernetics and the Management of Large Systems, 1969 (2nd)

Cybernetics, Simulation, and Conflict Resolution, published 1971 (3rd)

Box 6:

Cybernetics, Artificial Intelligence, and Ecology, 1970, published 1972 (4th)

Cybernetics Technique in Brain Research and the Educational Process, 1971 Fall
Conference

Conference Workbook for Texts in Cybernetic Theory, 1988 Conference

Conference Workbook for Language, Emotion, the Social, and the Ethical, 1992
Conference

General Publications

ASC Membership Handbook, ca. 1982

A Dictionary of Cybernetics, Klaus Krippendorf, 1986

Box 7:

Automata Studies (Princeton University Press, Princeton, NJ), 1956 (contains articles by W. Ross Ashby, J. von Neumann, and others)

Articles, authors A-Z (3 folders)

Jean Dreyfus-Graf

"Spectres Logarithmiques de la Parole Chuchotee," unpublished, 1960s

"Spectres Phonétographiques de la Parole Chantée et du `Bel Canto,'" La Vérité des Restitutions Sonores, ca. 1967-68 (accompanied by correspondence)

Heinz von Foerster)

Peter Duran

"The Logic of Neural Nets," unpublished, 1960s

"Monotopy Theory, part II: A Pictorial Display of Change," unpublished, July 1, 1966

"Note on Zero Dimensionality, Metrizable, and Their Relation to Cardinality," unpublished, 1960s

"Space Perceived by the Blind," unpublished, June 23, 1966

Peter Greene

"An Approach to Computers That Perceive, Learn, and Reason," Proceedings of the Western Joint Computer Conference (San Francisco, CA), March 1959

"A Suggested Model for Information Representation In a Computer That Perceives, Learns, and Reasons," unpublished, December 21, 1959

Gotthard Günther

"Can Mechanical Brains Have Consciousness?" Startling Stories 29:1, February 1953

"Dreiwertige Logik und Die Heisenbergsche Unbestimmtheitsrelation," Physique, 1954

"The Logical Parallax," Astounding Science Fiction 52:3, November 1953

"Schöpfung, Reflexion und Geschichte," ca. 1940s

Lars Lofgren

"The Structures of Switching Nets," unpublished

Humberto Maturana

"Anatomy and Physiology of Vision in the Frog (Rana pipens)," Journal of General Physiology 43:6

Warren McCulloch

"A Hierarchy of Values Determined by the Topology of Nervous Nets," Bulletin of Mathematical Biophysics 7, 1945

"Introduction to the Problem of the Reticular Formation," Lecture, International Summer School of Physics, Ravello, Italy, June 23, 1964

"A Logical Calculus of the Ideas Immanent in Nervous Activities," Bulletin of Mathematical Biophysics 5, 1943 (accompanied by 1959 correspondence from Lockheed Aircraft corporation)

"Reliable Systems Using Unreliable Units," Disorders of Communication Vol. 42: Research Publications, Association for Research in Nervous and Mental Disease, 1964

"The Utility of Anastomotic Nets," Redundance Techniques for Computing Systems (Spartan Books: Washington, D.C.), 1962

Albert Mullin

"Reliable Stochastic Sequential Switching Circuits," Communication and Electronics (AIEE), 1958

Gordon Pask

"Automatic Teaching Techniques," British Communications and Electronics, April 1957

"Electronic Keyboard Teaching Machines," Education and Commerce: The Journal of the National Association for Education for Commerce 24, July 1958

"The Growth Process Inside the Cybernetic Machine," unpublished, September 1958

"The Teaching Machine," The Overseas Engineer, February 1959

"A Teaching Machine for Radar Training," Automation Progress, May 1957

"Teaching Machines," unpublished, September 1958

"Tomorrow's Control Systems Can learn from Experience," Automation Progress, February 1959

Rowena Swanson

"Cybernetics in Europe and the U.S.S.R.: Activities, Plans, and Impressions," published by the Office of Aerospace Research, US Air Force, March 1966

Heinz Von Foerster

"Epistemology and Cybernetics," adaptation of lecture given at the Casa della Cultura, Milano, Italy, February 18, 1985

"The Future of Information Sciences: A Projected Evolution," unpublished, January 29, 1969

"Neural Networks," section 2, chapter 6 of The Biological Basis of Pediatric Practice, preprint, September 30, 1963

Oversize:

Posters

4 posters designed by Klaus Krippendorf, ca. 1982

"Self reference is the infinite..."

"The logic of the world..."

"Communication is the interactive computation...."

"Observers ultimately observe themselves" (possibly not by Krippendorf)

Small ASC logo poster designed by Heinz von Foerster