

11/6/40

Engineering

Electrical Engineering

Ricardo B. Uribe Papers, 1948-1997

Box 1:

Publications

Uribe (2 folders)

Uribe, Ricardo B., "Modeling Autopoiesis"

Uribe, Ricardo B., "Modeling Autopoiesis", version 2

Uribe, Ricardo B., "Modeling Autopoiesis" version 3

Uribe, Ricardo B., "Modeling Autopoiesis" final version

Varela, Francisco G. et al. "Autopoiesis – A Theory of the Biological Organization: Modeling of a Minimal Case", 1972, second writing

Periodicals (2 folders)

Behavioral Science Vol. 23 No. 4, Jul 1978

General Systems Bulletin Vol. 8 No. 3, Spring – Summer 1978

General Systems Bulletin Vol. 9 No. 2, Winter 1979

The Journal of Philosophy Vol. 66 No. 14, Jul 24 1969

4th Order Communication, ARTORGA Communications 165-171, March 1974

International Journal of General Systems Vol. 5 No. 4, 1979

Stanford Literature Review, Spring-Fall 1990

Others (4 folders)

Wiener, Norbert, "Cybernetics", *Scientific American* Vol. 179 No. 5, 1948

Von Foerster, Heinz, "On Self-Organizing Systems and their Environments", 1959

Braunsteiner, H. et al, "Physiologie und Physiopathologie der Weissen Blutzellen", 1959

Menger, Karl, "Gulliver in the Land Without One, Two, Three", *The Mathematical Gazette: The Journal of the Mathematical Association* Vol. 43 No. 346, Dec 1959Menger, Karl, "Gulliver's Return to the Land Without One, Two, Three", *American Mathematical Monthly* Vol. 67 No. 7, Aug-Sep 1960Menger, Karl, "Gulliver in Applyland", *Eureka*, Oct 1960Gardner, Martin, "Logical Paradoxes", *The Antioch Review*, 1963

Von Foerster, Heinz, "The Anatomy of Memory," Learning, Remembering, and Forgetting Volume I, 1965.

Günther, Gotthard et al, "Grundlagenstudien aus Kybernetik und Geisteswissenschaft", 1969

Witz, K. G. and J. A. Easley Jr. "Cognitive Deep Structure and Science Teaching", 1971

Von Foerster, Heinz and John A. Easley Jr, Research Proposal - "Cognitive Technology: A Citizen-Society Problem Solving Interface", 1972

Amari, Shun-Ichi, "Learning Patterns and Pattern Sequences by Self-Organizing Nets of Threshold Elements", 1972

Smock, Charles D. and Ernst von Glasersfeld, ed., "Epistemology and Education: The Implications of Radical Constructivism for Knowledge Acquisition," Follow Through Research Report: Mathemagenic Activities Program No 14, Dec 1974.

Malone, Robert, *The Robot Book*, 1978

Günther, Gotthard, "Das Janusgesicht der Dialektik", 1979

Pask, Gordon, "Conversation & Support", 1987

Brand, Stewart, "Both Sides of the Necessary Paradox: Meditations on Gregory Bateson and the death of the Bread-and-Butterfly."

Bridwell, Nelson John, "The View from the Black Box"

Howe, Richard Herbert, "Kant and Adam, or the Model of Cognition"

Pamphlet "S. Sabathil & Son Ltd. Makers of Fine Harpsichords"
 Papers missing cover: "Introduction"
 "Panel Discussion", *Annals New York Academy of Sciences*
 Maturana, Humberto R., "Biology of Cognition."

Box 2:

Maturana, Humberto R. and Francisco C. Varela, "Autopoietic Systems: A Characterization of the Living Organization"

Pack, Gordon, Papers: "Cybernetics in Psychology and Education", "Organisational Closure of Potentially Conscious Systems", and "Knowledge, Innovation and 'Learning to Learn'"

Biological Computer Laboratory
 BCL Library 1970-1973

Beer, S., "The Management of Information and Knowledge: a compilation of papers prepared for the eleventh meeting of the panel on science and technology," Committee on Science and Astronautics, U.S. House of Representatives, 1970.

Blackburn, Thomas R., "Sensuous-Intellectual Complementarity in Science: Countercultural epistemology has something of value to contribute to the science of complex systems," 1971.

Harlow, H.F. et al., "From Thought to Therapy: Lessons from a Primate Laboratory," ARTORGA 161, 162, May and June 1973.

Gunther, Gotthard, "Cognition and Volition: A Contribution to a Theory of Subjectivity."

Gunther, Gotthard, "Life as Poly-Contextuality."

Hawkins, David, "The Nature of Purpose," Purposive Systems: Proceedings of the first annual symposium of the American Society for Cybernetics.

Miller, George A., "Psycholinguistic Approaches to the Study of Communication," Journeys in Science: Psycholinguistics and Communication.

BCL Publications 1957-1975 (7 folders)

BCL Publication 5: Von Foerster, H., "Basic Concepts of Homeostasis", *Homeostatic Mechanisms, Brookhaven Symposia in Biology*, 1957

BCL Publication 11: Mullin, A. A., "Poincaré, Metric Reliability and Switching Components", *IRE Transactions of the Professional Group on Information Theory*, Sep 1959

BCL Publication 14: Mullin, A. A., "Stochastic Combinational Relay Switching Circuits and Reliability", *IRE Transactions of the Professional Group on Information Theory*, Mar 1959

BCL Publication 17: Von Foerster, Heinz, "Some Remarks on Changing Population", *The Kinetics of Cellular Proliferation*, 1959

BCL Publication 33: Von Foerster, Heinz, "On Self-Organizing Systems and Their Environments", *Self-Organizing Systems*, 1960

BCL Publication 34: Bionics Symposium: "Living Prototypes—the Key to New Technology", Sep 1960

BCL Publication 36: Von Foerster, Heinz, "A Predictive Model for Self-Organizing Systems", 1961

BCL Publication 38: Von Foerster, Heinz, "Some Aspects in the Design of Biological Computers"

BCL Publication 39: Ashby, W. Ross and J. Riguet, "The Avoidance of Over-Writing in Self-Organizing Systems", *J. Theoret. Biol.*, 1961

BCL Publication 40: Ashby, W. Ross, "Brain and Computer", *3^e Congrès International de Cybernétique [3rd International Congress on Cybernetics]*, Sep 1961

BCL Publications 35, 57, 59, 85: Von Foerster, H. et al, "Doomsday – Friday, 13 November, A.D. 2026", *Science*

- BCL Publication 62: Weston, Paul, "Photocell Field Counts Random Objects", *Electronics*, Sep 1961
- BCL Publication 68: Gunther, Gotthard, "Cybernetic Ontology and Transjunctional Operations", *Self-Organizing Systems*, 1962
- BCL Publication 78: Von Foerster, Heinz, "Bio-Logic", *Biological Prototypes and Synthetic Systems*, 1962)
- BCL Publication 79: Von Foerster, Heinz, "Biological Ideas for the Engineer", *New Scientist*
- BCL Publication 80: Von Foerster, Heinz, "Circuitry of Clues to Platonic Ideation", *Aspects of the Theory of Artificial Intelligence*, 1960
- BCL Publication 81: Von Foerster, Heinz, "Communication Amongst Automata", *The American Journal of Psychiatry*, Apr 1962
- BCL Publication 82: Von Foerster, Heinz, "Perception of Form in Biological and Man-Made Systems"
- BCL Publication 88: Ashby, W. R. et al, "The Essential Instability of Systems with Threshold and Some Possible Applications to Psychiatry", *Nerve, Brain and Memory Models*, 1963
- BCL Publication 95: Von Foerster, Heinz, "Bionics", *McGraw-Hill Yearbook Science and Technology*, 1963
- BCL Publication 96: Von Foerster, Heinz, "Logical Structure of Environment and Its Internal Representation", *International Design Conference Aspen, 1962*, 1963
- BCL Publication 99: Ainsworth, W. A., "Electrolytic Growth of Silver Dendrites", *Science*, Dec 1964
- BCL Publication 109: Von Foerster, Heinz, "Form: Perception, Representation and Symbolization", *Form and Meaning*, 1962
- BCL Publication 110: 1963 Bionics Symposium: "Information Processing by Living Organisms and Machines", Mar 1964
- BCL Publication 112: Von Foerster, "Structural Models of Functional Interactions", *Information Processing in the Nervous System*, 1962
- BCL Publication 112A: Andrew, Alex M., "Self-Improvement Using a Disturbed Measure of Goal-Achievement", advance publication, Jun 1965
- BCL Publication 114: Ashby, W. Ross, "Constraint Analysis of Many-Dimensional Relations", *Progress in Cybernetics Vol. 2*, 1965
- BCL Publication 120: Von Foerster, Heinz, "Memory Without Record", *Learning, Memory and Forgetting Vol. 1*, 1965
- BCL Publication 125: Ashby, W. Ross, "Mathematical Models and Computer Analysis of the Function of the Central Nervous System", 1966
- BCL Publication 128: Cohen, Dan, "Optimizing Reproduction in a Randomly Varying Environment", *J. Theoret. Biol.*, 1966
- BCL Publication 135: Von Foerster, H., "From Stimulus to Symbol", *Sign, Image, Symbol*, 1966
- BCL Publication 136: Von Foerster, Heinz, "Computation in Neural Nets", *Currents in Modern Biology*, Mar 1967
- BCL Publication 137: Günther, Gotthard, "Logik, Zeit, Emanation und Evolution", Jun 1966
- BCL Publication 138: Günther, Gotthard, "Time, Timeless Logic and Self-Referential Systems", *Annals of The New York Academy of Sciences*, Feb 1967
- Box 3:
- BCL Publication 139: Günther, Gotthard and Heinz von Foerster, "The Logical Structure of Evolution and Emanation", *Annals of The New York Academy of Sciences*, 1967

- BCL Publication 140: Von Foerster, Heinz, "Time and Memory", *Annals of The New York Academy of Sciences*, 1967
- BCL Publication 141: Ashby, W. Ross, "The Place of the Brain in the Natural World", *Currents in Modern Biology*, May 1967
- BCL Publication 143: Freedman, M. David, "A Digital Computer for the Electronic Music Studio", *Journal of the Audio Engineering Society*, Jan 1967
- BCL Publication 144: Freedman, M. David, "Analysis of Musical Instrument Tones", *The Journal of The Acoustical Society of America*, Apr 1967
- BCL Publication 147: Löfgren, Lars, "Recognition of Order and Evolutionary Systems by Lars Löfgren", *Computer and Information Sciences II*, 1967
- BCL Publication 149: Thomas, Ian B., "The Second Formant and Speech Intelligibility", *Proceedings of the National Electronics Conference Vol XXIII*, 1967
- BCL Publication 150: Von Foerster, H., "Biological Principles of Information Storage and Retrieval", *Electronic Handling of Information: Testing and Evaluation*, 1967
- BCL Publication 152: Von Foerster, Heinz et al., "Memory and Inductive Inference", *Bionics Symposium 1966: Cybernetic Problems in Bionics*, 1968
- BCL Publication 153: Von Foerster, Heinz, "What Is Memory That It May Have Hindsight and Foresight as Well?", *Proceedings of the Third International Conference: The Future of the Brain Sciences*, 1969
- BCL Publication 154: Conant, Roger C., "Channel Capacity of Moore Automata", *Information and Control*, 1968
- BCL Publication 155: Löfgren, Lars, "An Axiomatic Explanation of Complete Self-Reproduction", *The Bulletin of Mathematical Biophysics*, Sep 1968
- BCL Publication 156: Russel, John K., "A Visual Image Processor", Mar 1968
- BCL Publication 158: Inselberg, Alfred, "Linear Solvability and the Riccati Operator", *Journal of Mathematical Analysis and Applications*, Jun 1968
- BCL Publication 159: Freedman, M. David, "A Method for Analyzing Musical Tones", *Journal of the Audio Engineering Society*, Oct 1968
- BCL Publication 164: Ashby, W. Ross, "The Contribution of Information Theory to Pathological Mechanisms in Psychiatry", *The British Journal of Psychiatry*, Dec 1968
- BCL Publication 165: Maturana, Humberto, "Neurophysiology of Cognition", *Cognition: A Multiple View*, 1970
- BCL Publication 166: Von Foerster, Heinz, "Thoughts and Notes on Cognition", *Cognition: A Multiple View*, 1970
- BCL Publication 167: Weston, Paul, "Man-Like Machines: The Language Barrier", *Cognition: A Multiple View*, 1970
- BCL 168: Duran, Peter and Sylvia Tufenkjian, "Tactile-Kinesthetic Methods for Measuring Length Used by Congenitally Blind Children", *Perceptual and Motor Skills*, 1969
- BCL Publication 173: Inselberg, Alfred, "Phase-Plane Solutions of Langmuir's Equation", *Journal of Mathematical Analysis and Applications*, May 1969
- BCL Publication 177: Löfgren, Lars, "Kinematic and Tessellation Models of Self-Repair", *Biological Prototypes and Synthetic Systems Vol 1*, 1962
- BCL Publications 180: Günther, Gotthard, "Kritische Bemerkungen zur Gegenwärtigen Wissenschaftstheorie", *Zur Logik der Sozialwissenschaften*, 1967
- BCL Publication 181: Günther, Gotthard, "Strukturelle Minimalbedingungen einer Theorie des Objektiven Geistes als Einheit der Geschichte", *Actes du III^{eme} Congres International de l'Association Internationale pour l'Etude de la Philosophie du Hegel*, Apr 1968

- BCL Publication 182: Günther, Gotthard, "Many-Valued Designations and a Hierarchy of First Order Ontologies: Remarks concerning a philosophical interpretation of many-valued systems", *Akten des XIV. International Kongresse fur Philosophie*, 1969
- BCL Publication 183: Von Foerster, Heinz, "Shape of Community: Realization of Human Potential", *Shape of Community*, 1971
- BCL Publication 184: Von Foerster, Heinz, "Molecular Ethology: An Immodest Proposal for Semantic Clarification", *Molecular Mechanisms in Memory and Learning*, 1970
- BCL Publication 186: Ashby, W. Ross, "Two Tables of Identities Governing Information Flows Within Large Systems", *ASC Communications*, 1969
- BCL Publication 187: Duran, Peter Jr., "Imagery and Blindness: A Personal Report", *Journal of Humanistic Psychology*, Fall 1969
- BCL Publication 190: Inselberg, Alfred, "Noncommutative Superpositions for Nonlinear Operators", *Journal of Mathematical Analysis and Applications*, Feb 1970
- BCL Publication 191: Inselberg, Alfred and Heinz Von Foerster, "A Mathematical Model of the Basilar Membrane", *Mathematical Biosciences*, Apr 1970
- BCL Publication 192: Von Foerster, Heinz, "Perception of Form in Biological and Man-Made Systems", *Journal of the Industrial Designers Society of America*, Sep 1970
- BCL Publication 194: Gardner, Mark R. and W. Ross Ashby, "Connectance of Large Dynamic (Cybernetic) Systems: Critical Values for Stability", *Nature*, Nov 1970
- BCL Publication 195: "Laws of Form", *Whole Earth Catalog Access to Tools*, Spring 1969
- BCL Publication 196: Von Foerster, Heinz, "Computing in the Semantic Domain (Abstract)", 1970
- BCL Publication 198: Von Foerster, Heinz, "Perception of the Future and the Future of Perception", *Instructional Science*, 1972
- BCL Publication 201: Weston, Paul, "To Uncover, To Deduce, To Conclude", *Computer Studies in the Humanities and Verbal Behavior*, Aug 1970
- BCL Publication 203: Ashby, W. Ross, "Information Flows Within Co-Ordinated Systems", Sep 1969
- BCL Publication 215: Peterson, Larry and Heinz Von Foerster, "Cybernetics of Taxation: The Optimization of Economic Participation", *Journal of Cybernetics*, 1970
- BCL Publication 216: Günther, Gotthard, "Natural Numbers in Trans-Classic Systems", *Journal of Cybernetics*, 1971
- BCL Publication 218: "Notes and Reviews", *Computer Studies in the Humanities and Verbal Behavior*, Aug 1970
- BCL Publication 219: Von Foerster, Heinz, "Technology: What Will it Mean to Librarians? [A Response]", *Illinois Libraries*, 1971
- BCL Publication 221: Umpleby, Stuart, "Information Theory and Consumer Action", *Business and Society Review*, 1972
- BCL Publication 222: Inselberg, Alfred, "Superpositions for Nonlinear Operators I. Strong Superpositions and Linearizability", *Journal of Mathematical Analysis and Applications*, Nov 1972
- BCL Publication 224: "Chapitre III: Théorie de la cognition et épistémologie de l'observation", *L'Unité de l'Homme*
- BCL Publication 228: Inselberg, Alfred, "Superpositions for Nonlinear Operators II. Generalized Affine Operators", *Journal of Mathematical Analysis and Applications*, Jan 1973

- BCL Publication 231: Weston, Paul E. and Heinz Von Foerster, "Artificial Intelligence and Machines that Understand", *Annual Review of Physical Chemistry*, 1974
- BCL Publication 232: "Kybernetik und Bionik [Cybernetics and Bionics]", *Proceedings of the 5th Congress of the Deutsche Gesellschaft für Kybernetik*, 1973
- BCL Publication 233: Madden, R. F. and W. Ross Ashby, "The Identification of Many-Dimensional Relations", *Int. J. Systems Sci.*, 1972
- BCL Publication 234: Von Foerster, Heinz, "On Construction a Reality", *Environmental Design Research*, 1973
- BCL Publication 237: Pask, Gordon, "The Meaning of Cybernetics in the Behavioural Sciences", *Progress of Cybernetics*, 1969
- BCL Publication 239: Varela, F. G. et al, "Autopoiesis: The Organization of Living Systems, its Characterization and a Model", *Bio Systems Journal of Molecular, Cellular and Behavioral Origins and Evolution*, May 1974
- BCL Publication 241: Von Foerster, Heinz, "Giving with a Purpose: The Cybernetics of Philanthropy"
- BCL Publication 245: Von Foerster, "Logical Structure of Environment and its Internal Representation", *Man-Environment Systems*, May 1974
- BCL Publication 248: Howe, Richard Herbert, "Dialogue, Dialogic, Dialectic: A Sketch of Jurgen Habermas' Theory of Communicative Competence", *Cybernetician*, 1974
- BCL Publication 249: Howe, Richard Herbert and Heinz Von Foerster, "Cybernetics at Illinois", *ASC Forum*, 1974
- BCL Publication 251: Varela G., Francisco J., "A Calculus for Self-Referencing", *Int. J. General Systems*, 1975
- BCL Publication 251: Peterson, Larry J., "The Recursive Nature of Descriptions: A Fixed Point", Apr 1975
- BCL Publication 256: Howe, Richard Herbert, "Some Problems of a Social Cybernetics", *ASC Cybernetics Forum*, 1975
- BCL Publication 259: Von Foerster, Heinz, "The Need of Perception for the Perception of Needs", 1975
- BCL Publication 264: Howe, Richard Herbert, "Philosophical Precursors of Cybernetics: Pascal, or Method", *ASC Cybernetics Forum*, 1975
- BCL Publication 266: Günther, Gotthard, "Selbstdarstellung im Spiegel Amerikas", *Philosophie in Selbstdarstellungen*, 1975

Reprints Mailed to Heinz Von Foerster

- Freedman, M. David, "A Digital Computer for the Electronic Music Studio", *Journal of the Aido Engineering Society*, Jan 1967, BCL 143
- Von Foerster, Heinz, "Biological Ideas for the Engineer", *New Scientist*, BCL 79
- Von Foerster, Heinz et al, "'Projections' versus 'Forecasts' in Human Population Studies", *Science*, Apr 1962, BCL 85
- Von Foerster, Heinz, et al, "Doomsday: Friday, 13 November, A.D. 2026", *Science*, Nov 1960, BCL 35
- "Doomsday Commentary", *Science*, Mar 1961
- Weston, Paul, "Photocell Field Counts Random Objects", *Electronics*, Sep 1961, BCL 62
- "Population Density and Growth", *Science*, Jun 1961, BCL 59
- Von Foerster, Heinz, "Logical Structure of Environment and its Internal Representation", *International Design Conference Aspen*, 1962, BCL 96
- Von Foerster, Heinz, "Bionics", *McGraw-Hill Yearbook Science and Technology*, BCL 95
- Envelope addressed to Dr. Heinz Von Foerster, Feb 1975

Box 4:

The Cybernetician

- The Cybernetician No. 1, Oct 15 1973
- The Cybernetician No. 3, Nov 21 1973
- The Cybernetician No. 4, Dec 6 1973
- The Cybernetician No. 5, Feb 8 1974
- The Cybernetician No. 6, Mar 7 1974

BCL Notices 1958-70

- BCL Notice 6: Ashby, W. Ross, "The Applications of Cybernetics to Biology and Sociology", *Vosprosû Philosophii*, Aug 1958
- BCL Notice 18: Ashby, W. Ross, "The Brain as Regulator", *Nature*, Apr 1960
- BCL Notice 19: Ashby, W. Ross, "Computers and Decision Making", *New Scientist*, 1960
- BCL Notice 44: Ashby, W. Ross, "What is an Intelligent Machine?"
- BCL Notice 58: Holshausen, D. F. et al, "Microwave Modulation of Light Using the Kerr Effect", *Journal of the Optical Society of America*, Dec 1961
- BCL Notice 111: Von Foerster, Heinz, "Physics and Anthropology: A Personal Account by the New President of the Wenner-Gren Foundation", *Current Anthropology*, Oct 1964
- BCL Notice 119: Von Foerster, Heinz, "Bionic Principles (A Summary)"
- BCL Notice 133: Computers in Music
- BCL Notice 134: Proceedings of IFIP Congress 65, 1966
- BCL Notice 171: Von Foerster, Heinz, "Sounds and Music", *Music by Computers*
- BCL Notice 197: Von Foerster, H., "Bionics: Critique and Outlook"
- BCL Notice - Excerpt 7/15/70: Von Foerster, Heinz, "Toward an Axiomatization of Cognition", *Accomplishment Summary, BCL Report No. 70.2*
- BCL Notice – Keynote Address: "The Liberty Machine by Stafford Beer", *ASC International Conference on Cybernetics and the Management of Ecological Systems*, Oct 1970
- BCL Notice – Notes on an Epistemology for Living Things, Nov 30 1972.

BCL/Electrical Engineering Research Laboratory Joint Reports 1970-71

- Mullin, A.A., "Philosophical Comments on the Philosophies of Charles Sanders Peirce and Ludwig Wittgenstein," Aug 1 1961.
- Andrew, Alex M., "Table of the Stirling Numbers of the Second Kind," Dec 1965.
- Weston, Paul E., "Cylinders: A Relational Data Structure", Feb 1970
- Hoffman, M. P., "A Study of the Free Response Distortion in Speech Processing", Jun 1970
- Struhar, J. M. Jr., "An Omnidirectional Loudspeaker System", Apr 1971

BCL Reports 1966-75

- BCL Report No. 3.0: Gunther, Gotthard, "Cybernetics and the Transition from Classical to Trans-Classical Logic."
- BCL Report No. 13.0: Von Foerster, Heinz, "The Numbers of Man", 1 Apr 1966
- BCL Report No. 66.1: BCL Staff, "Accomplishment Summary", 15 May 1966
- BCL Report No. 3.2: Von Foerster, Heinz, "From Stimulus to Symbol", 15 Oct 1966
- BCL Report No. 67.2: B.C.L. Staff, "Accomplishment Summary 66/67," Jun 15 1967.
- BCL Report No. 68.2: BCL Staff, "Accomplishment Summary 67/68", 15 Jun 1968
- BCL Report No. 4.2: Bielowski, Heinz, "Computer Systems Scheduling", 15 Oct 1968
- BCL Report No. 7.4: Schill, John, "Machine Coded Speech", 1 Dec 1968

Box 5:

- BCL Report No. 70.2: BCL Staff, "Accomplishment Summary 69/70", 15 Jul 1970
- BCL Report No. 4.3: Taylor, Stephen M., "Loops in Computer Programs", 15 Oct 1970
- BCL Report No. 3.4: Gunther, Gotthard, "Natural Numbers", 1 Nov 1970

BCL Report No. 71.2: BCL Staff, "Accomplishment Summary 70/71", 15 Jul 1971
 BCL Report No. 5.10: Godfrey, Warren, "Computer Simulation of Small Groups", 1 Aug 1971
 BCL Report No. P.1: B.C.L. Staff, "List of Publications," Dec 1 1971.
 BCL Report No. 72.2: "Accomplishment Summary 1971/1972", 1 Jun 1972
 BCL Report No. 9.3: Von Foerster, Heinz, "An Epistemology for Living Things", 8 Sep 1972
 BCL Report: Martin, Robert J. Jr., "To Approach Music", 31 May 1972
 BCL Report No. 72.2: "Accomplishment Summary 71/72", 1 Jun 1972
 BCL Report No. 9.2: Wilson, Kenneth L., "The Cybernetics of Cognitive Processes", 1 May 1974
 BCL Report No. 74.1: BCL Staff, "BCL Publications", 31 Dec 1974
 BCL Report No. 9.4: Maturana, H. and F. Varela, "Autopoietic Systems", 1 Sep 1975
 BCL Report No. 75.1: BCL Staff, "BCL Publications", 15 Oct 1975

American Society for Cybernetics (2 folders)

ASC Journal of Cybernetics 1972, 1973

Von Foerster, Heinz, "Responsibilities of Competence", *Journal of Cybernetics: Transactions of the American Society for Cybernetics Vol. 2 No. 2, Apr-Jun 1972*

Laing, Richard, "A Note on Maxwell's Demon and Universal Computation", *Journal of Cybernetics: Transactions of the American Society for Cybernetics Vol. 3 No. 2, Apr-Jun 1973*

ASC Newsletter 1970, 1992, 1993

Von Foerster, Heinz, "Warren S. McCulloch", 1 Feb 1970

ASC Newsletter, May 1972

ASC Newsletter, 1993

Box 6:

Lectures, Courses, Conferences, Professional

Courses 1970, 1974

Von Foerster, H. and H. Brun, "BCL Report No. 13.1: Heuristic", 3 Oct 1970

Cybernetics of Cognitive, Social and Cultural Processes 1974

Experiment to be Conducted in Class, March 11 1974.

Rebitzer, Bob and Jim, Assignment Submission, March 13 1974.

"On the Concept of Causality and the Causality of Concepts," Hand-out, Cybernetics Class, March 13 1974.

Lectures – AV Recordings 1983, 1991

The Stanford Lectures – Heinz Von Foerster

High Tech Heroes – VHS and Guide

Conferences

"General Systems Research: A Science, A Methodology, A Technology," Conference Program, January 3-6 1979.

Yorke, James et al., "Chaos: An Emerging Science," October 3 1989.

"Images of the Future," Conference Presentation Transcript.

Professional

L-5 Society, Membership Outreach.

Manuscripts (1 folder)

Martin, Robert J., "Craftsmanship" [Draft].

Von Foerster, Heinz, "Circular Causality: The Beginnings of an Epistemology of Responsibility."

Pre-Arranged Materials

Manuscripts

Uribe 1977-2007

- Uribe, Ricardo B., "Organizations and Uncertainty", 1977
- Uribe, Ricardo B., "Tractatus Paradoxico-Philosophicus", 1984
- Uribe, Ricardo B., "Chapter 1: An Invitation"
- Uribe, Ricardo B., "Tractatus Paradoxico-Philosophicus: A Philosophical Approach to Education", copyright 1991-2007

Other 1960-94 (2 folders)

- "Table of Historical Events Drawn on Logarithmic Paper", 1994
- "Cybernetics: Circular Causal and Feedback Mechanisms in Biological and Social Systems"
- Description of the BCL
- "BCL"
- Maturana, H. R. et al, "Anatomy and Physiology of the Vision in the Frog (*rana pipiens*)", 1960
- Cybernetics and Robots*
- Maturana, Humberto R., "The Biological Foundations of Self Consciousness and the Physical Domain of Existence"

Box 7:

- Pask, Gordon, "Some Generalizations of Conversation Theory and Protolanguage Lp.", 1980
- Holt, Anatol and Frederic Commoner, "Events and Conditions", 1970
- Howe, Richard Herbert and Heinz Von Foerster, "Introductory Comments to Francisco Varela's Calculus for Self-Reference"
- Von Foerster, Heinz, "For Niklas Luhmann: How Recursive is Communication?"
- Martin, Robert J., "Tools and Personal Power"
- Kauffman, Louis H., "Self Reference and Recursive Forms"
- Kauffman, Louis H., "On the Form of Self-Reference"

Misc. Reprints 1958-1996 (2 folders)

- 2^e Congres International de Cybernétique [2nd International Congress on Cybernetics], *Association Internationale de Cybernétique*, 1958
- Günther, Gotthard, "Logik, Zeit, Emanation und Evolution", 1966
- Kauffman, Louis H., "Self-Reference and Recursive Forms", 1987
- Varela F. G. et al, "Autopoiesis: The Organization of Living Systems, its Characterization and a Model", 1974
- Systems Thinking and the Quality of Life: Proceedings of the 1975 Annual North American Meeting, Society for General Systems Research, 1975

Box 8:

- Rorty, Richard, *The Contingency of Selfhood by Richard Rorty*, 1986
- Cognition: International Journal of Cognitive Psychology, 1972
- Crook, Frederick, *Integration of Science*, 1961
- Mitrinović, D. S., and R. S. Mitrinović, *Tableaux d'une Classe de Nombres Reliés aux Nombres de Stirling VI*, 1966
- Duran, Peter and Sylvia Tufenkjian, "Tactile-Kinetic Methods for Measuring Length Used by Congenitally Blind Children", 1969
- Mitrinović, D. S., and R. S. Mitrinović, *Tableaux d'une Classe de Nombres Reliés aux Nombres de Stirling IV*, 1964
- The Physiological Basis for Form Discrimination: Symposium sponsored by Visual Sciences Study Section, National Institutes of Health, 1964

- II Cybernetic Frontiers: “Both Sides of the Necessary Paradox (Conversation with Gregory Bateson)” and “Fanatic Life and Symbolic Death Among the Computer Bums by Stewart Brand”, 1974
- Cybernetical Vol. 3 No. 4 by the Association Internationale de Cybernétique, 1960
- Cybernetical Vol. 4 No. 1 by the Association Internationale de Cybernétique, 1961
- “Stafford Beer Introduces Team Syntegrity for Inventing Your Future”
- Fischer, Roland, ed., *Annals of the New York Academy of Sciences Vol. 138 Art. 2*, 1967
- Williams, Greg and Tom Bourbon eds., “Continuing the Conversation: A Newsletter on the Ideas of Gregory Bateson”, Winter 1986
- Richards, Laurence D. and Rochelle K. Young, “Propositions on Cybernetics and Social Transformation: Implications of von Foerster’s Non-trivial Machine for Knowledge Processes”, 1996
- Varela G., Francisco J., “A Calculus for Self-Reference”, 1975
- Ashby, W. Ross, “The Place of the Brain in the Natural World”, 1967
- Pickett, Ronald M., “Perceiving Visual Texture: A Literature Survey”, 1968
- Gibney, Terrence K., “Legibility of Segmented Versus Standard Numerals: A Review”, 1967
- Alexander, Milton and Lloyd L. Laubach, “Anthropometry of the Human Ear (A Photogrammetric Study of USAF Flight Personnel)”, 1968
- Nixon, Charles W. et al, “Speech in an Artificial Atmosphere (44% Oxygen – 56% Helium)”, 1966
- Harris, C. Stanley and Henry C. Sommer, “Human Equilibrium During Acoustic Stimulation by Discrete Frequencies”, 1968

Box 9:

ASC (3 folders)

- Understanding Complexity: A Cybernetic Approach, ASC Conference 1989
- “Cybernetics of Cybernetics Cabaret”, 1987
- “Creative Cybernetics: Our Utopianists’ Audacious Constructions”, 1987
- “1987 Conference of the American Society for Cybernetics: Creative Cybernetics: Our Utopianists’ Audacious Constructions”, 1987
- “Three Unsolved Problems in Cybernetics”, 1993
- “Cybernetics and Circularity: A Conference in Honor of Heinz Von Foerster”, 1995
- “Cybernetics in the Art of Learning”, 1993
- “Cybernetics and Circularity: A Conference in Honor of Heinz Von Foerster”, 1995
- Cybernetics Forum: A Special Issue Devoted to Autopoiesis, 1981
- Krippendorff, Klaus, “A Dictionary of Cybernetics”, 1986
- Cybernetic Social Violence Vol. 2 No. 1, 1986
- Trachtman, Paul, “Prospectus for Cybernetic”, 1983
- ASC Conference Program, 1997
- Communication and Anti-Communication
- Cybernetic Vol. 1 No. 1, 1985
- “Declaration of the American Society for Cybernetics”, 1985
- “What is Cybernetics?”
- Lombardi, Judith A., ed., “Continuing the Conversation: Dialogues in Cybernetics Vol. 1: Papers Presented at the 1997 Meeting of the American Society of Cybernetics”, 1997

Lectures – AV Recordings 1983, 1991

The Stanford Lectures – Heinz Von Foerster
High Tech Heroes – VHS and Guide

Artifacts

Ashby's Elementary NTM (Non-Trivial Machine)