

11/6/17

Engineering

Electrical Engineering

Biological Computer Laboratory

Box 1: Contract File

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"Theory and Circuity of Property Nets and Fields"

Budget

Technical reports

Reports from NSF

"Investing in Scientific Progress," 1961

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Correspondence with NSF

Michigan

Proposal for evaluation, 1961

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Project report 23 March 1961-

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Pronko, Eugene, 1962-64

"Formalism and Intuition in Knowledge and Evolution" by T. Thatcher Robinson

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Multi-valved logic

Proposal amendment, 1961

Proposal for contract renewal, 1962

Papers produced under contract

Proposals to NSF, 1960, 1962

NSF Technical Reports - correspondence, 1962-63

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Office of Naval Research Contract NONR 1834(21), ONR Project No. NR 049-123

1 January 1958 to 31 July 1961

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Symposium, 1960

Preface to "Principles of Self-Organization"

Reprint orders for symposium papers

Introductory symposium session, 8 June 1960

Final remarks

Technical reports and papers, 1959-60, 1963

Correspondence on symposium papers, 1960-64 (4 folders)

Accomplishment summary, November 1960-November 1961

Publicity, 1960-63

Project notes

Bell Laboratories paper on neuron circuits 1959
 Quarterly progress reports, April 1958-November 1960

Box 2:

Patents, 1960-62
 Correspondence on reports and proposals, 1958-1962, 1964
 Monthly budgets, 1958-1961
 References and bibliography
 Report on temperature distribution
 Working papers - Gordon Pask (2 folders)
 Renewal proposal and revised budget, 1960,
 Massachusetts Institute of Technology, 1962
 Youit, Marchall C. - ONR, 1957-59
 Proposal for acceleration of contract, 1960
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 Gordon Pask manuscripts (2 folders)
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 Contract Accounting, 1961-63
 Technical reports, 1960-61
 United States Air Force, Air Material Command No. 14538-24 "Wide-Range Tunable Low
 Power Magnetrons for Frequencies About 2000 Megacycles"
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 "An RF Power Meter Employing a Stabilized Computer Circuit", 30 June 1950
 United States Air Force, Air Material Command WL-S (Watson Laboratories, AF 19(122)-5)
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 Technical reports 1-5, 1951
 Final report, W28-099-ac-126

Box 3:

Final report, AF19 (122)-5, 15 August 1952
 Final report on continuation

United States Air Force, Office of Scientific Research AF 18 (600)-1018 "The Time Element in Photo Electric Emission"

- Correspondence, 1955-59
- Bibliography
- Kerr-Guide materials
- Kerr-Cell illustration
- Ph.D thesis of George L. Clark
- Kerr-Cell material
- Correspondence, 1957, 1960
- Proposals
- Technical Notes 1-2, 1955, 1957
- Progress Reports 1-15, 1954-57
- Final Report, 1958
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- Progress reports 1-3, 1951-52
- Monthly letters, 1952-53
- Rotation paper and correspondence
- Engineering Reports 1-2, 1952

United States Air Force, Cambridge Research Center AF 19(604)-524

- "Research in Physical Electronics"
- Proposals, 1952-53, 1955-56
- Correspondence, 1958
- Quarterly Report 1, 1953

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- Quarterly Reports 2-17, 1953-56
- Final Report, 1957 (included with final 4 quarterly reports)
- Technical Reports 1-9, 1953-56
- Scientific Report #10, 1957

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- Correspondence, 1951
- Progress reports 1-10, 1946-47
- Progress reports 11-17, 19-24, 1948-1951

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 Office of Naval Research N6-ori-71 Task XIX; 56; 1834(08)
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 Final report (XIX) 1955
 (XIX) Working papers
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 Correspondence, 1952, 1954-58
 1834(08) Progress Report 1-6, 1956-58
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 A.L. Samuel, 1948
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 Grant application
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 GM-10718 1 May 1963 to 30 April 1966 "Principles of Information Transfer in Living Systems"
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 Extension, 1965-66
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 "Mechanisms of White Cell Production and Turnover" 1 July 1958-21 October
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Bond, V. P., 1961
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Appendix I, Mitotic Indices, 1961
Mitotic Indices - Notes
HSIE, Label appearance
Hamilton, L. D., 1959, 1963-64
Eviator calculations
Error graphs
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Brookhaven National Laboratory, 1958-64
 Grain count
 Brecher v. Sainte-Marie, 1962, 1964
 Hematology-notes
 Technical report on Label Incorporation
 Outline
 Progress report, 1 July 1962
 Sargent, Fred and Magnussen, Peter, 1963
 Patt, Harvey, 1963
 Argonne National Laboratory, 1963
 Population notes
 Publications, 1959-62
 Salk Institute, 1965
 Cronkite, Eugene P., 1960-62
 Sacher, George, 1962
 White cell propagation
 Corbett, Joseph
 Monographs
 Budgets, 1958-61
 Graphs

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 Computer Oriented Epistemological Approach to Information Storage and Retrieval" 1
 September 1967 to 31 August 1970

Cylke, Frank K., 1968
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 Organizational Committee, 1967-69 (2 folders)
 Coordinated Science Laboratory, 1967-68, 1970
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 Application for Research Support
 Swanson, Rowena, 1967 (2 folders)
 Proposals, (9 folders)
 Errata and Distribution list

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 Figures 1-4
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Correspondence re technical reports, 1962

Technical reports 1, 3-1, 1962

Quarterly reports 1-9, 1959-60

Quarterly report, July 1961

Budgets, 1959-61

Dr. Steele, Wright Field

Proposals (3 folders), 1959-60

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"Information Processing Capabilities of the University of Illinois Dynamic Signal Analyzer" 1 February 1963 to 31 January 1964

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Proposal-mechanisms of pattern recognition, 1961

- Air Force correspondence, 1961
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- Magnavox
 - Proposal (3 folders), 1961
- Army Research Office, Durham, N. C.
 - 1960-64 (5 folders)
- Westinghouse
 - Consultant work, 1960-64
 - Rome Air Force Center 1957-59, 1962
 - Proposal 1961 (3 folders)
- United States Air Force Office of Scientific Research AF 49(638)-1680, "Integration of Theory and Experiment into a Unified Concept of Visual Perception", 1 March 1966 to 30 April 1969
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 - Burkhard, Donald, 1965-66
 - U. of Georgia (Mythology), 1966
 - Athens proposal, 1965-66

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- Final report, 1969
- Correspondence, 1966-69
- Purchase and Check Requests (5 folders), 1966-69
- IBM Typewriter Project, 1968
- Travel Request forms
- Budget Amendments, 1966-68
- U. of Georgia Move, 1966
- Georgia budget, 1966-68
- Purchase and Check Requests, 1967-69 (2 folders)
- Payroll, 1967-68 (2 folders)
- Departmental budget, 1966-69
- Correspondence, 1966-70
- Homes in Athens
- Steno book
- THEMIS, 1968
- Bendix Corporation
 - Proposal and correspondence, 1967, 1969-70

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- Evaluation of Harth proposal, 1970

- Proposal, 1969 (2 folders)

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- Areas of Army Research Interest, 1970

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- Final Report, 1970

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- Report preview, 1969

- Correspondence, 1968-69

- Notation of Movement, 1968-69

- Photo experiments

- Eshkol-proposal, 1967

- Drawings-final representations

- Final report material, 1969

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- Eshkol - Center for Advanced Study, 1969

- Wachmann, Abraham, 1968

- Proposal-final draft

- Rock Island Proposal

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- Wright Field Correspondence, 1965-69

- Bionics papers

- Notes, correspondence, 1967

- Progress reports 1-14, 16-25, 27, 34-36, 1966-69

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 (7-66) Correspondence and forms
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 (7-67, 7-68) Correspondence and forms
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- “Direct Access Intelligence Systems,” Final Report for AF-OSR 7-63, 7-64, 7-66, 7-67, and 70-1865, October 1972
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- “On the Realization of Linear Automata,” Thomas J. C. Wey, AF-OSR 7-67, Technical Reprt 14, June 1969
- “The Analysis and Synthesis of a Learning Teaching System,” Gerald F. Brieske, AF 7-67, Technical Report, 16, June, 1969
- “A Method of Decoding Speech,” Jenö Gazdag, AF 7-66, Technical Report 9, June 1966
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- “Table of the Stirling Numbers of the Second Kind,” Alex M. Andrew, AF 7-64, Technical Report 6, December 1965
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 (7-63, 8-63, 33(616)-6428) Research Project Reports, 1963
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 (7-64, 7-67) Swanson, Rowena - 1961-68 (3 folders)
 (7-67) Proposal material, 1965-66 (3 folders)
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 Summer Employment, 1970
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 Publications and forms: non-BCL, 1960, 1968
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Advisory Groups on Electron Tubes, 1956-58
 Conferences, 1950-51, 1953, 1955-57 (7 folders)
 Symposium on Pattern Recognition, October 1957
 Conferences, 1958
 International Conference on Cybernetics, September 1958
 Conferences, 1959
 Faculty Conference, March 1959
 Conference on Fundamental Problems and Techniques for Study of Cellular Proliferation
 January 1959
 Western Electronic Show and Convention, August 1959
 American Association for the Advancement of Science, December 1959
 Bahamas Serendipity Session, January 1959
 Conferences, 1960 (2 folders)
 National Electronics Conference, October 1960
 American Institute of Electrical Engineers, February 1960
 Electron Tube Research Conference, June-July 1960
 New York Academy of Science, May 1960
 Locarno Symposium on Biosimulation, June-July 1960
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Temple Israel Speech, October 1961
Association of American Medical Colleges, June 1961
Stromberg-Carlson seminar, July 1961
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Michigan Communication Sciences Colloquium, April 1961
IBM seminar, February 1961
Bionics symposium, August-September 1961
Meeting of Minds program, February 1961
American Medical Association Clinical Session, November 1961
Conference on Application of Digital Computers to Automated Instruction, October 1961
University of Rochester seminar, December 1961
National Cash Register Corporation consultation, December 1961
Conferences, 1962
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Institute in Psychiatry and Neurology, March 1962
University of Illinois Zoology seminar, January 1962
Southern Illinois University Sigma Xi Club, January 1962
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British Broadcasting Corporation, February 1962
Washington, April 1962
Conference on Self-Organizing Systems, May 1962
Florida State, January 1962
International Design Conference, June 1962
U I Round Table, March 1962

University of Kansas Medical Center, August 1962
Ohio State seminar, March 1962
American Institute of Electrical Engineers, October, 1962, December 1962
Conference on I-Formation Processing in the Nervous System, September 1962
National Electronics Conference, October 1962
Conference on Data Acquisition and Processing in Biology and Medicine, July 1962
Allerton Conference on Typographic Arts, October 1962
Borg-Warner Research Center, October, 1962
Information System Sciences, November 1962
Melpar, June 1962
Conference on the Design of Experiments in Army Research, Development and Testing, October 1962
LFE Electronics, December 1962
Conferences, 1963
Coins Symposium, June 1963
North Carolina School of Design, February 1963
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Air Force Office of Scientific Research Advisory Committee to the Directorate of Information Sciences, February 1963
Western Reserve, April 1963
American Institute of Electrical Engineers, January-February 1963
General Electric, May 1963
Atomic Energy Commission Conference on Late Irradiation Effects, December 1963
International Congress on Cybernetics, March 1963
Bionics and Industry Conference, May 1963
University of Illinois Industry-University Research Forum, April 1963
MIT Lincoln Laboratory Summer Study, June-August 1963
American Society for Aesthetics, October 1963
General Electric Silicones
General Electric Seminar, November 1963
Avionics Panel Symposium, July 1963
Annual Review of Electronics Research, October 1963
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Purdue Electrical Engineering Seminar, December 1963
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Chapman, Holdsmith and Yamasaki Seminar, December 1964
Information, Entropy, and Energy meeting, January 1964
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NBC
Cybernetics Society, October 1964
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McKinley Health Service, October 1964
National Electronics Conference, October 1964
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UI Annual Review of Electronics, November 1964
Cybernetics and Society November 1964
1965 Conferences
Biophysical Society, February 1965
Channing-Murray Foundation, February 1965
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Zoology Lecture, March 1965
Basic Systems, September 1965
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Institute of Electrical and Electronics Engineers, March 1965
Air Force Avionics Laboratory, Bionics meeting, May 1965
Conference on World Affairs, 1965-66, 1969
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 Annual Review of Electronics, November 1965
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 Abstracts and Information material
 Abstracts
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 Government invitees
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 Organizational material (3 folders)
 Program material
 Resume
 General correspondence
 Follow-up, Everitt letter
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 University of Detroit Lecture, May 1965
 Conferences, 1966
 Annual Review of Electronics, November 1966 (2 folders)
 History of Science Society Lecture, January 1966
 W. T. Clock
 New York Academy Symposium on Biological Time, January 1966
 Bionics symposium, May 1966
 Music 303 Lecture, February 1966
 Department of Art seminar, February 1966
 U. of Georgia visit, March 1966
 Texas A & M, May 1966
 General Electric course, May 1966
 University of Hawaii symposium, February 1966
 Arch/Comp, July 1966
 Massachusetts Institute of Technology Neurosciences Research Program, July-August 1966
 Columbia University program
 International Conference on Nonlinear Dynamics

Kybernetik Seminar, July 1966
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 Computers in Design and Communication, June 1966
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 NASA-Boston, June 1966
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 Institute of Electrical and Electronics Engineers (3 folders)
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 New York Times, November 1966
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 Centennial Celebration

- Final Week
- People file
- Bourgin, Simon
- Carss, Brian
- Christie, George
- Chancellor, John
- Dizard, Wilson Paul
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- Duker, Sam
- Friendly, Fred
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- Hurley, Neil
- Keckskemeti, Paul

Box 18:

Levy, Harold
 Mabuchi, Kenneth
 Mager, Robert
 Markle, Susan
 Mc Hale, John - World Resources Inventory

Events

- Mayors
- Centennial titles
- Wald discussion
- YMCA and centennial
- Final week
- White, John

General topics

- Defense

- Learning
- Information Storage
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- Satellites
- World Education
- Education by Machine
- Communication
- Population
- 1984
- Games
- Reviews
- World Game

Way, Tom

Graduate College Committee

Pask, Gordon

Programs-material

Organizations

- Educom
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- Population Control
- Synton
- Washington trips (2 folders)
- New York City trip (2 folders)
- Notre Dame

Correspondence and notes

Resume

Proposal

Game

University Game

Peltason, J.W.

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Pask, Gordon

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Westinghouse talk, September 1966

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 Annual Review of Electronics, November 1967
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 University of Detroit Lecture, March 1967
 Washington trip, August 1967
 U. S. Army Research Office, december 1966
 The Art Club, April 1967
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 U. S. Army Biomechanics Symposium, April 1967 (2 folders)
 Electronic Information Handling, April 1967
 American Society for Cybernetics symposium, October 1967
 Coordinated Science Laboratory dedication, October 1967
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 United States Air Force-Dayton, September 1967
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 Biomathematical Symposium March 1967
 Dayton, July-August 1967
 United States Air Force Office of Scientific Research Science Seminar, June 1967
 International Cybernetics Congress, September 1967
 University of Michigan seminar, October 1967
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 Institute of Electrical and Electronics Engineers group conference, October 1967
 Natural History Survey, October 1967
 Channel 15-WICD program, December 1967
 Institute of Electrical and Electronics Engineers, Student Branch banquet, December 1967
 University of Georgia talk, December 1967
 American Institute of Architects, October 1967
 1968 Conferences (2 folders)
 Teach-In, March 1968
 American Society for Cybernetics, Chicago chapter, January 1968
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 Linguistics Club, April 1968
 Decatur Quest Club, January 1968
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Freshman Seminar, February 1968 (3 folders)
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Cecil Gwinn and Darrell Moore visit, May 1968
The Future of the Brain Sciences, May 1968
Fay Campbell Lectureship on Higher Education, May 1968
Helvey Symposium, May-June 1968
Future of Man, July 1968
Sigma Delta Epsilon talk, May 1968
University of Tennessee symposium, June 1968
Channel 3-WCIA program, October 1968
New York-Biafra, July 1968
NATO-Advisory Group for Aerospace Research and Development, September 1968
Coordinated Science Laboratory Joint Services Electronics Program Review, October 1968
Rockefeller University-Seitz, installation, October 1968
Daedalus conference November 1968

Box 20:

Daedalus conference (continued) (2 folders)
Annual Review of Electronics, November 1968
Visual perception-art course lecture, November 1968
Division of Social Sciences 292, November 1968
Summer School on Circuit Theory, June-July 1968
COMSAT, September 1968
American Society for Cybernetics symposium, October 1968
WILL program, December 1968
1969 Conferences
American Society for Cybernetics, January 1969
Wenner-Gren Symposium, March 1969 (2 folders)
Institute for Electrical and Electronics Engineers, March 1969
New York/Washington, March 1969
Mössbaver Spectroscopy meeting, March 1969
Formal Theories of Information conference, June 1969
Conference on Human and Artificial Intelligence (Watanabe), April 1969
Menninger Conferences, April 1969

University of Illinois-Chicago Circle talk, April 1969
Cybernetics Research Institute, March 1969
Chancellor's Faculty Conference, April 1969
Psychopictorics Symposium, April 1969
Harvard-Massachusetts Institute of Technology seminar (negroponte), April 1969
International Joint Conference on Artificial Intelligence, May 1969
BUILD Conference, April 1969
North Carolina State seminar, April-May 1969
National Aerospace Electronics Conference, May 1969
Self-organization notes
Global System Dynamics symposium, June 1969
Department of Defense-University Relationship, May 1969
Cybernetics Research Institute, June-July 1969 (2 folders)
Bell Telephone seminar, July 1969
American Society for Cybernetics, October 1969 (2 folders)
Coordinated Science Laboratory-Technical Advisory Committee, October 1969
International Congress of Cybernetics, September 1969
Harvard Graduate School of Design, November 1969
Annual Review of Electronics, December 1969
1970 Conferences
Winter Conference on Brain Research, January 1970
Office of Naval Research Conference
Cybernetics Research Institute, January 1970
LAS 141 course
Leipzig, February 1970
University of Illinois Faculty Forum (images), February 1970
University Forum of Current Affairs, February 1970
American Association of University Women, April 1970
University of Tennessee course, April 1970
San Francisco, June-July 1970
Lawrence Papier visit, July 1970
Teach-In, April 1970
Chemo-Computers Workshop, April 1970
Society for Applied Anthropology, April 1970
Experiments in Art and Technology, October 1970
Children's Hospital of the District of Columbia course, June 1970
University of Wisconsin institute, July 1970
Social Implications of Science and Technology, May 1970
Washington trip, June 1970
Cultural Ruturology Symposium, November 1970
Washington trip, June 1970

Cultural Futurology Symposium, November 1970
 Washington trip, July 1970
 Teacher's seminar, August 1970
 American Society for Cybernetics, October 1970
 Gordon Conference, August 1970
 World Game, October 1970
 Sensory-Perceptual Response Center workshop, November 1970
 Joint Conference of American Geographic Society and New York Academy of Sciences, April-May 1970

Box 21:

1971 Conferences
 Department of Architecture talk, March 1971
 Art School of the Society of Arts and Crafts panel, April 1971
 Washington trip, February 1971
 American Society for Cybernetics, February 1971
 World Affairs Conference, March-April 1971
 The Biology Semester-University of Southern California, March 1971
 Computing in the Semantic Domain, April 1971
 Dance course talk, April 1971
 Illinois Library Association, April 1971
 Wesley Foundation, October 1971
 Newman Foundation, May 1971
 Theoretical Biology Symposium (Helgoland)
 Gordon Research Conference, June 1971
 Neurosciences Research Program, July/August 1971
 Linguistic Institute, July-August 1971
 Atlanta School of Art
 Dominik seminar, July 1971
 Environmental Arts and Sciences, June 1971
 Cybernetics Research Institute, August 1971

Box 22:

Esalem Institute, October 1971
 YMCA New Student Conference, September 1971
 Newman Foundation, September 1971
 Psychology colloquium, October 1971
 Higher Education Society, October 1971
 Washington trip, October 1971

Annual Review of Electronics, October 1971
Washington trip, October 1971
Annual Review of Electronics, October 1971
Joint Conference on Artificial Intelligence, September 1971
Newman House, October 1971
Computer Science Seminar, November 1971
Speech 112 lecture, November 1971
American Society for Cybernetics, December 1971
YMCA-YWCA Faculty Forum

Box 23:

United States Air Force, Cambridge Research Center AF 19(604)-2152, "Gaseous Electronics Research"

Proposal Quarterly Reports 1-9, 11-13, 1957-60

Scientific Reports 1-7, 1957-59

Working material

W33-038-ac-18106, "Development of a Broad-Band Power Meter for 100-400 mc."

Interim Engineering Report, 1948

Final Report, 1949