

# Inventory of Art Burks' Papers [ca. October 2008 accessions]

Created by Amanda Kay Barrett

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## Annals – 2 boxes

- *Annals of the History of Computing* Cumulative Index Volumes 1-5
- *Annals of the History of Computing* Indices Volumes 1-10
- *Annals of the History of Computing* Vol. 1, No. 1 (1979)
- *Annals of the History of Computing* Vol. 1, No. 2 (1979)
- *Annals of the History of Computing* Vol. 2, No. 2 (1980)
- *Annals of the History of Computing* Vol. 2, No. 4 (1980)
- *Annals of the History of Computing* Vol. 3, No. 1 (1981)
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- *Annals of the History of Computing* Vol. 4, No. 1 (1982) – Two copies
- *Annals of the History of Computing* Vol. 4, No. 2 (1982)
- *Annals of the History of Computing* Vol. 4, No. 4 (1982)
- *Annals of the History of Computing* Vol. 5, No. 1 (1983)
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- *Annals of the History of Computing* Index, Volume 6, 1984
- *Annals of the History of Computing* Vol. 6, No. 1 (1984)
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- *Annals of the History of Computing* Vol. 7, No. 1 (1985)
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- *Annals of the History of Computing* Index, Volume 9, 1987/88
- *Annals of the History of Computing* Vol. 9, No. 1 (1987)
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- *Annals of the History of Computing* Vol. 10, No. 1 (1988)
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- *Annals of the History of Computing* Vol. 10, No. 4 (1989)
- *Annals of the History of Computing* Tables of Contents, Volumes 11-17, 1989-1995
- *Annals of the History of Computing* Vol. 11, No. 1 (1989)

- *Annals of the History of Computing* Vol. 11, No. 2 (1989)
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- *Annals of the History of Computing* Vol. 11, No. 4 (1989)
- *Annals of the History of Computing* Vol. 12, No. 1 (1990)
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- *Annals of the History of Computing* Vol. 12, No. 4 (1990)
- *Annals Contents by Volume and Issue Number* Volumes 1-18
- *Annals Contents by Department, Volume, and Issue Number* Volumes 1-18
- *Annals of the History of Computing* Vol. 13, No. 4 (1991)
- *Annals of the History of Computing* Vol. 13, No. 3 (1991)
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- *IEEE Annals of the History of Computing* Vol. 14, No. 2 (1992)
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- *IEEE Annals of the History of Computing* Vol. 22, No. 2 (2000)
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- *IEEE Annals of the History of Computing* Vol. 22, No. 4 (2000)
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- *IEEE Annals of the History of Computing* Vol. 24, No. 1 (2002)
- *IEEE Annals of the History of Computing* Vol. 27, No. 1 (2005)
- *IEEE Annals of the History of Computing* Vol. 27, No. 4 (2005)

### Articles by Arthur W. Burks – 1 box

- *ACRI*
- *An Analysis of a Logical Machine Using...*
- *An Architectural Theory of Functional Consciousness*
- *Argonne Patent 1960 (filed 1954)*
- *Automata Models of Self-Reproduction*
- *Artificial Life V*
- *Book Review of Automata Studies*
- *Cellular Automata and Natural Systems*
- *Charles Sanders Peirce (Book Chapter)*
- *Complete Decoding Nets*
- *Computation, Behavior and Structure in Fixed and Growing Automata*
- *Computer Science and Philosophy*
- *Computers and Control in Society*
- *Computers, Control and Intentionality*
- *Creative Uses of Logic in the Invention of the Electronic Computer*
- *Dispositional Statements*
- *An Early Graduate Program in Computers and Communication*
- *Electronic Computing Circuits of the ENIAC*
- *Empiricism and Vagueness*
- *Enumerative Induction versus Eliminative Induction*
- *Ethical Naturalism and Hedonics*
- *Festschrift Preface*
- *The Folded Tree*
- *From ENIAC to the Stored Program Computer*
- *Hardware and Architectural Revolutions*
- *The History of Early Computer Switching*
- *Icon, Index and Symbol*
- *Intro to "The ENIAC"*
- *The Invention of the Universal Electronic Computer*
- *John von Neumann – Biography in Encyclopedia*

- *Laws of Nature and Reasonableness of Regret*
- *Logic, Biology and Automata*
- *Logic, Computers and Men*
- *Logic, Learning and Creativity in Evolution*
- *The Logic of Automata – Parts 1 and 2*
- *The Logic of Causal Propositions*
- *The Logic of Evolution, and the Reduction....*
- *The Logic of Fixed and Growing Automata*
- *The Logic of Programming Electronic Digital Computers*
- *The Logical Design of an Idealized General-Purpose Computer*
- *Logical Foundations of Probability Book Review*
- *A Logico-Mechanistic Alternative to Peirce's...*
- *Man: Sign, or Algorithm?*
- *Models of Deterministic Systems*
- *The Natural Basis of Freedom and Morality*
- *Notes on Truth, Falsity, and Designation*
- *On Backwards – Deterministic, Erasable,... Automata*
- *On the Significance of Carnap's System*
- *Ontological Categories and Language*
- *Outline of Six Lectures*
- *Peirce's Conception of Logic as a Normative Science*
- *Peirce's Evolutionary Pragmatic Idealism*
- *Peirce's Theory of Abduction*
- *Peirce's Two Theories of Probability*
- *The Philosophy of Logical Mechanism*
- *The Presupposition Theory of Induction*
- *Programming and Structure Changes...*
- *Programming and the Theory of Automata*
- *Proposal for IUPUI Display*
- *The Propositional Calculus*
- *A Radically Non-Von Architecture*
- *Review of W. Aspray "The Stored Program Concept"*
- *Robots and Free Minds*
- *Self-Reproducing Automata*
- *Sequence Generators and Digital Computers*
- *Sequence Generators, Graphs, and Formal Language*
- *Super Electronic Computing Machines*
- *Teleology and Logical Mechanism*
- *Teleology, Intentionality, and Consciousness*
- *A Theory of Logical Nets*
- *A Theory of Proper Names*
- *Three Notes on Editing Peirce*
- *Turing's Theory of Infinite Computing Machines*
- *UM Exhibit Pamphlet on the ENIAC*

- *US Patent 2,936,115*
- *US Patent 4,697,242*
- *US Patent 4,881,178*
- *John von Neumann*
- *Von Neumann's Self-Reproducing Automata*
- *Who Invented the General-Purpose Electronic Computer?*

### Articles by Others – Box 1

- Burks's Collection in regard to North Pole Exploration
  - Alan Cook
  - Crombie
  - John Euller
  - L. M. Forbes
  - Laurence Gould
  - J. Gordon Hayes
  - Kish
  - Walter Lord
  - Orren Mohler
  - National Geographic Society
  - James C. Reddig
  - Dennis Rawlins
  - Reviews
  - Florence Ward Wood
  - Helene Cook Vetter
  - Theon Wright
- Further Burks's Collection in regard to North Pole Exploration
  - Carlton Wells Correspondence
  - Dennis Rawlins
  - Carlton Wells Xeroxes
  - Bob Warner, Charles Henshaw Ward
  - Charles Henshaw Ward Manuscript
- S.M. Ulam Reprints – Articles
  - "On General Formulations of Simulation and Model Construction"
  - "The Age of Electronics"
  - "On Some New Possibilities in the Organization and Use of Computing Machines"
  - "Computers"
  - "The Monte Carlo Method"
  - "Combinatorial Analysis in Infinite Sets and Some Physical Theories"
  - Publications of Stanislaw M. Ulam
- Folder: Articles by Others
  - "ENIAC, Where are You Now? Pieces of it Still Working" by Michael Sullivan-Trainor *History of Computing* November 3, 1986
  - John H. Holland Distinguished Faculty Achievement Award, University of Michigan newspaper clipping

- “Historic Computer to be on display at U-M” Ann Arbor News October 1987
- “U-M will display parts of world’s first computer” University of Michigan newspaper clipping 10/26/87
- “The Resurrection of Jan Lukasiewicz” by Ralph Pearson
- Review of *Cause, Chance and Reason* written by Brian Skyrms
- Review of *The First Electronic Computer: the Atanasoff Story* by Paul E. Ceruzzi
- “The Heartless Lovers of Humankind” by Paul Johnson from *The Wall Street Journal* January 5, 1987
- “Computing and Neural Networks” from *Science* vol. 235
- “Decision-Making in the Presence of Risk” by Mark J. Machina from *Science* vol. 236
- *Michigan Philosophy News* June 1986
- “Contra-Copernicus: A Critical Re-Estimation of the Mathematical Planetary Theory of Ptolemy, Copernicus, and Kepler” by Derek J. de S. Price from *Critical Problems in the History of Science* edited by Marshall Clagett
- “Impressions of the Early Days of Programming” by Peter Naur
- “GM vice president Marina Whitman” Ann Arbor Observer newspaper clipping March 1986
- “Computing Pioneer Arthur Burks” by Anne Rueter in *The Research News* U-M 1986
- “Building Athens Without the Slaves” by Robert A. Freitas Jr. from *Technology Illustrated* August 1983
- “Roboclone” by Robert Freitas, Jr. from *Omni* July 1983
- “Space Butterflies” by Freeman Dyson from *Science* 85
- “Advent of Electronic Digital Computing” by J.V. Atanasoff reprint from *Annals*
- Book review of *Codebreakers* from *Science* vol. 264
- “The System Organization of MOBIDIC B” by Stanley K. Chao from *1959 Proceedings of the Eastern Joint Computer Conference*
- Website article: “PC Ancestor Under the Sea” by Blair Soden ABC News <http://abcnews.go.com/technology/story?id=2697384&page=1>
- Note on checking sources AWB
- “Natural Philosophy in the Constitution” by Gerard Piel from *Science* vol. 233
- “A Storage System for Use with Binary-Digital Computing Machines” by F.C. Williams and T. Kilburn
- Book review of *Memoirs of a Computer Pioneer* from *Science* vol. 233
- “Video Storage by Secondary Emission from Simple Mosaics” by Robert A. McConnell from *Proceedings of the I.R.E.*
- “Information Technology” and “Forward March” from *The Economist* July 12, 1986
- “Home of the New Dinosaurs” by I. Bernard Cohen
- “Chinese Astronomical Clockwork” by Needham, Ling and Price from *Actes Du VIII Congres International D’Histoire des Sciences* 1956
- “The First Scientific Instrument of the Renaissance” by Derek J. De S. Price
- “Computing Machinery and Intelligence” by A. M. Turing tearsheet from *Mind: A Quarterly Review* October 1950

- “Dr. Atanasoff’s Computer” by Allan R. Mackintosh from *Scientific American* August 1988
- “Third Branch of Science Debuts” *Science* volume 256 (April 1992)
- “Go Forth and Replicate” by Moshe Sipper and James A. Reggia from *Scientific American* August 2001
- “Self-Similarity of Linear Cellular Automata” by Satoshi Takahashi March 1988
- “Cellular Algorithms and Their Verification” by T. Legendi from *Lecture Notes in Computer Science* edited by G. Goos and J. Hartmanis
- “Parallel Decompositions of Finite Linear Cellular Automata” by Karl-Heinz Zimmerman from *Journal of Computer and System Sciences* February 1989
- “Man Views as a Machine” by John G. Kemeny from unknown magazine
- “The Computer Revolution” by N. Metropolis and G-C. Rota from unknown
- “Rewriting the History of the H-Bomb” by William J. Broad from *Science* vol. 218
- “Handler: The History of Parallelism” from CONPAR 88
- “Ultrasonic Delay Lines II” by Emslie, Huntington, Shapior and Benfield (MIT)
- “Ultrasonic Delay Lines I” by Huntington, Emslie and Hughes from *Journal of the Franklin Institute* 1948
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  - “Records of Lawsuit Reveal Computer History” from *Hagley Museum and Library Newsletter* Summer 1980 (Vol. 15, No. 2)
  - *Computer Museum Report* Vol. 10, Spring 1987
  - “A Small World Grows Tinier” by William D. Marbach from *Newsweek* November 20, 1987
  - “A Historical Timeline of Artificial Intelligence and Robotics” by Gwen Bell and Leah Hutten from *The Computer Museum Report* Summer/Fall 1987
  - “New Technologies and Trade Secret Law” by Roger M. Milgrim from *The Bridge??*
  - “High-Tech BoonDoggle?” from *Newsweek* June 29, 1987
  - “Gambling on Going Gearless” by Steve Weiner from *Forbes* June 15, 1987
  - “Konrad Zuse” by John Dornberg from *Northwest Orient* September 1986
  - Book review of *Lessons: An Autobiography* from *Datamation* January 15, 1987
  - “Mathematical Logic and the Origin of Modern Computers” by Martin Davis
  - “Whirlwind” from *Computer User* September 1984
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  - *The Computer Museum Report* Winter 1987
  - “Fame at Last” by Rick Haglund *Ann Arbor News* Sept. 14, 1986 (re John T. Parsons)
  - “The Chip: Electronic Mini-marvel” by Allen A. Boraiko *National Geographic* Vol. 162, No. 4 (October 1982)
  - “The Datamation Hall of Fame” from *Datamation* September 15, 1987
  - “The Institute for Advanced Study’s Computer” by William Aspray from *Computer User* January 1985
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- “The Right Concept at the Right Time: How Concepts Emerge as Relevant in Response to Context-Dependent Pressures” by Mitchell and Hofstadter Indiana University
- “Man discounts Peary’s feat, claims to have been first at pole” by Boyce Rensberger from *Ann Arbor News* April 23, 1989
- “Peary’s North Pole Claim Reexamined” by Eliot Marshall from *Science* vol. 243
- Book review for *Charles S. Peirce and the Philosophy of Science* from University of Alabama Press newsletter 1992-93
- “Adapting to Complexity” by Russell Ruthen from *Scientific American* January 1993
- “The Semantics of Questions and the Theory of Inquiry” by Risto Hilpinen from *Logique et Analyse* December 1986
- Photocopy of Chapter 2 of *Annals of Theoretical Psychology Vol. 4*
- “Quiet Contributor: The Civic Career and Times of John W. Tukey” by F. R. Anscombe reprint from *Statistical Science* vol. 18, no. 3 (2003)
- “A Complex-Systems Perspective on the “Computation vs. Dynamics” Debate in Cognitive Science” by Melanie Mitchell (Santa Fe Institute)
- “Integration of Machine Organization and Control Program Design – Review and Direction” by G.S. Rao and P.L. Rosenfeld from *IBM J. Res. Develop.* Vol. 27, No. 3 (May 1983)
- “The Apiary Network Architecture for Knowledgeable Systems” by Carl Hewitt MIT
- *The Computer Museum Report* Winter 1983
- *Innovation in IBM Computer Technology* January 1984
- Book reviews of *Algorithmic Language and Program Development* and *Programming Languages: A Grand Tour* from the *Annals* Vol. 6, No. 1
- Photocopy from *Programming Languages: A Grand Tour* by Ellis Horowitz (pp.4-22)
- “Pre-Electronic Aids to Digital Computation” by William J. Worlton
- Obit Tommy Flowers *The New York Times* November 8, 1998
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- “Bossy Sponsors” from *The Economist* April 30, 1994
- “Computer Age Classics: the von Neumann Machine” from *CA-Insight* Vol. 2, No. 1 (May 1989)
- “The Contributions of Leibniz to the Art of Mechanical Calculation” by L. Leland Locke from unknown book
- “Want to Buy a Brain” by Martin Mann from *Popular Science* May 1949
- “’39: Tech’s Watershed Year” from *USA Today* 12/1/89
- Excerpt from *Bit by Bit: An Illustrated History of Computers* by Stan Augarten (pp. 112, 289-294)
- “Computer Engineering Attitudes from Eckert-Mauchly to Analogic” by Bernard Gordon from *The Computer Museum Report* Summer 1984
- Excerpts from *The Preparation of Programs for an Electronic Digital Computer* by Maurice V. Wilkes

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- “John Vincent Atanasoff: Father of the Computer?” from *Forbes* July 7, 1997
- “On Computable Numbers with an Application to the Entscheidungs Problem” by A. M. Turing from *The Proceedings of the London Mathematical Society* Ser. 2, Vol. 42 (1937)
- “Some Alternative Reproductive Strategies in Artificial Molecular Machines” by Richard Laing from *J. theor. Biol.* (1975) 54
- “An Analysis of a Logical Machine Using Parenthesis-Free Notation” by Burks, Warren and Wright with “Burroughs Truth Function Evaluator” by William Miehle from *J. Assoc. Comp. Mach.* April 1957
- “Advent of Electronic Digital Computing” by J.V. Atanasoff reprinted from the Annals
- “Mauchly: Unpublished Remarks” from the Annals Vol. 4, No. 3 (July 1982)
- “From ENIAC to the Stored-Program Computer: Two Revolutions in Computers” by Burks from *A History of Computing in the Twentieth Century*
- “John Mauchly’s Early Years” by Kathleen R. Mauchly from Annals Vol. 6, no. 2 April 1984
- “Computing Machine for the Solution of Large Systems of Linear Algebraic Equations” Reprinted from Randell: *The Origins of Digital Computers*
- “Application of Punched Card Equipment to the Analysis of Complex Spectra” by J.V. Atanasoff from *Journal of the Optical Society of America* Vol. 26, No. 2 1936
- “The Invention of the Universal Electronic Computer – how the Electronic Computer Revolution Began” by Burks from *Future Generation Computer Systems* 18 (2002)
- “Electronic Computing Circuits of the ENIAC” by Burks from *Proceedings of the I.R.E.* August 1947
- “The Evolution of Computing Machines and Systems” by Serrell, Astrahan, Patterson and Pyne from *Proceedings of the IRE* May 1962
- “Thoughts on the History of Computing” by Eckert from *Computer* (IEEE Computer Society) Vol. 9, no. 12 1976
- “A Survey of Digital Computer Memory Systems” by Eckert from *Proceedings of the I.R.E.* 1953
- “Mauchly on the trials of building ENIAC” by Mauchly from *IEEE Spectrum* April 1975
- “Artificial Living Plants” by Edward F. Moore from *Scientific American* October 1956 Vol. 195, no. 4
- “Animating the Material World” by Ivan Amato from *Science* vol. 255
- “How von Neumann Showed the Way” by T.A. Heppenheimer from *Invention and Technology* Fall 1990
- Excerpts from *The American Journal of Psychology* Volume 1 (1888)

### Articles by Others – Box 2

- “The Quadratic Arc Computer” by M.J. Mendelson (Mellon Institute Pittsburgh, 1952)
- “Fundamental Concepts of the Digital Differential Analyzer Method of Computation” by R.E Sprague
- “A Study of Digital Differential Analyzers for Inertial Navigation” by Donald F. Zimmerle (April 1960, WADC Technical Report, US Air Force)

- “A Western View of Computer History” by Richard E. Sprague from *Communications of the ACM* Vol. 15, No. 7 July 1972
- “The Decimal Digital Differential Analyzer” by Myron J. Mendelson from *Aeronautical Engineering Review* Vol. 13, No. 2 1954
- “Dynamic Circuit Techniques Used in SEAC and DYSEAC” by Elbourn and Witt from *Proceedings of the I.R.E.* October 1953
- “A Mechanical Device for the Solution of Equations Involving the Laplacian Operator” by Glenn Murphy from *The Iowa State College Bulletin* Vol. XLVIII 1949
- “The University of Manchester Computing Machine” By Williams and Kilburn from unknown (1953)
- “Coordinate Tubes for Use with Electrostatic Storage Tubes” by Julian and Samuel (University of Illinois) n.d.
- “Recent Advances in Cathode-Ray-Tube Storage by Williams, et al. from *Symposium of Papers on Digital Computers*
- “Storage System for Use with Binary-Digital Computing Machines by Williams and Kilburn from *Proceedings of IEEE* vol. 96, pt. 2, no. 81 1949
- “The Binac” by Auerbach, Eckert, Shaw, Weiner and Wilson from *Proceedings of the I.R.E* vol. 40 (1952)
- “Universal High-Speed Digital Computers: A Small-Scale Experimental Machine” by Williams, Kilburn and Tootill from *Proceedings of the I.R.E* vol. 98 (1951)
- “Thoughts on the History of Computing” by J. Presper Eckert from *IEEE*
- “The ENIAC” by Brainerd and Sharpless from *Electrical Engineering* February 1948
- “Introduction to ‘The ENIAC’” by Burks and Davidson from *Proceedings of the IEEE* vol. 87, no. 6 June 1999
- *Proceedings of the IEEE* June 1999 Vol. 87, No. 6
- “A Trilogy on Errors in the History of Computing” by Metropolis and Worlton from First USA-Japan Computer Conference, 1972
- “Monte Carlo: In the Beginning and Some Great Expectations” by Nicholas Metropolis (Los Alamos National Laboratory)
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- “Computers Then and Now” by Wilkes from *1967 ACM Turing Lecture*
- “The Brain and the Machine” by Norbert Wiener, photocopy from book *Dimensions of the Mind* 1960
- “A Logical Calculus of the Ideas Immanent in Nervous Activity” by McCulloch and Pitts from *Bulletin of Mathematical Biophysics* Vol. 5, 1943
- “The Computer, the Brain, and the Missing Link (In Memoriam John von Neumann” by Nagy, Horvath and Nagy 1987
- Excerpt from *Bibliography of the History of Technology* by Eugene S. Ferguson
- Folder: Papers on the Differential Analyzer
  - Excerpt from *The Differential Analyser* by J. Crank
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- “Integrgraph Solution of Differential Equations” by Bush and Hazen from *Journal of the Franklin Institute* November 1927
- “A Continuous Integrgraph” by Bush, Gage and Stewart from *Journal of the Franklin Institute* January 1927
- “The Design of a Small Differential Analyser” by Lennard-Jones, Wilkes and Bratt from *Proceedings of the Cambridge Philosophical Society* vol. 35
- “The Application of the Differential Analyser to Transients on a Distortionless Transmission Line” by Hartree and Porter from *The Journal of the Institution of Electrical Engineers* Vol. 83 July-December 1938
- “The Differential Analyzer: A New Machine for Solving Differential Equations” by V. Bush from *J.F.I.* October 1931
- “Mathematical Theory of the Differential Analyzer” by Claude E. Shannon from *Journal of Mathematics and Physics* Vol. 20, No. 4
- “The Evaluation of Transient Temperature Distributions in a Dielectric in an Alternating Field” by Copple, Hartree, Porter and Tyson from *Journal of the Institution of Electrical Engineers* Vol. 85, No. 511 July 1939
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- “Mechanical Solution of Algebraic Equations” by Hart and Traven from *Journal of the Franklin Institute* January 1938
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  - “Magnetic and Phosphor Coated Discs” by Benjamin Moore
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### **Book Draft – 1 box**

- MSS

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- Folder 14: Chapter 9 71 pp
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- Folder 18: Appendix D 37 pp.  
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- Photos and Linotronics for figures for Arthur's Book
  - 96 folders
- 1 folder "Assorted Mater's for Art's Book" Approx. 70 pp.
  - Book outline
  - Notes for chapters
  - Drafts
- Blue binder
  - 1 folder: "Original File for The Origin of the Electronic Computer Revolution (Material for a second book, April, 2000) (Hand revisions in separate notebook)" first eight sections
    - TOC
    - Ch. 1 The Moore School and the Army
    - Ch. 2 Introduction to the ENIAC
    - Ch. 3 The Origin of Electronic Computing Technology in England, and Bletchley Park
    - Ch. 4 The creation of the Standard Formalized System of Logic and Arithmetic  $L_a$ , and Hilbert's Program for the Foundation of Mathematics
    - Ch. 5 Godel's Computable Subsystem of  $L_a$ , and His Incompleteness Proff of  $L_a$
    - Ch. 6 Turing's Theory of Infinite Computation, and His Concept of a Universal Infinite Machine
    - Ch. 7 Turing's Proof that the Decision Problems for Quantified Relational Logic is Unsolvable
    - Ch. 8 The Myth about Turing, and Global vs. Local Logics of Automata
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### Computer History – 1 box

- Folder: "Judge Larson's Preliminary Decision 4/9/73"
  - *Wall Street Journal* newspaper clipping 4/13/1973 "Sperry Rand Patent Ruled Invalid, Freeing Honeywell of Royalties"
  - *New York Times* newspaper clipping 4/13/1973 "Basic Computer Patent at Sperry Rand Annulled"
  - Post-it: "Larson's covering letter was confidential and I have destroyed it. – ARB"
  - Letter from AWB to Seymour Yuter concerning the confidentiality of Larson's cover letter
  - Letter from Yuter to AWB re confidentiality
  - "Comments on Earl Larson's draft" by AWB
  - News and Comment section of *PTCJ* No. 162, 1/24/74 re Patent
- Folder: "Larson's Decision Excerpts"

- Pp. 681, 694-697, 708, 710-712, 716-717, 722-723, 725, 731, 756-757
  - “Larson Decision Quotations Relevant to Atanasoff” compiled 6/9/82
- Folder: “Judge Larson’s ENIAC Decision”
  - Copy from U.S. Patent Quarterly
- Folder: “Judge Larson’s Decision – U.S. Patent Quarterly”
  - Copy
- Folder: “Changes at *Annals* 1986-1992”
  - Letter from Bernard A. Galler to Steve Yau re resignation of editor-in-chief
  - Minutes of Editorial Board Meeting, June 18, 1986
  - Letter to *Annals* Friends from Mondy Dana re ACM contract
  - Memo to Editorial Board from Bernie Galler re resignation
  - Memo to Board members from John A.N. Lee re IEEE bid
- Folder: “Burks-Weiss-Galler argument in re Mauchly article and our right to respond”
  - Letter to Editorial Board from Rosamond Dana re ENIAC article by Arthur and Alice Burks, February 1, 1982
  - Letter to Eric Weiss from Arthur and Alice Burks re response to Kay Mauchly’s article
  - Memo to AWB from Bernard A. Galler re Kay Mauchly’s article
  - Letter from Eric Weiss to Arthur and Alice Burks re Kay Mauchly’s article
  - Note on telephone conversation with Bernard Galler 10/7/82
  - Letter to Eric Weiss from AWB re Kay Mauchly’s article
  - “Hypothetical Situation” Meeting of *Annals* editorial board Oct. 26, 1982
  - “Comment on Kathleen R. Mauchly’s Biographical Article on John W. Mauchly” by Alice and Arthur Burks, October 13, 1982
  - 2 Letters to Eric Weiss from John Vincent Atanasoff re Kay Mauchly’s article
  - Memo to AWB from Bernard A. Galler re response to Mauchly’s article
  - Letter to Arthur and Alice Burks from Eric Weiss re decision to not publish the Burks’ response and ask for modifications from Mauchly instead
  - Letter to Bernard Galler from “Hank” (Tropp?) from California State University
  - Memo to Bernard Galler from Maurice Wilkes re inability to attend editorial meeting
  - Report on Oct. 26, 1982 meeting
  - Letter to Arthur and Alice Burks from Eric Weiss re revision of Mauchly’s paper, controversy this led to, and not publishing their response
  - Memo AFIPS News: “Mauchly Discovered and Published in the *Annals*” April 1984
- Folder: JVA Biography – by *Annals* 1993
  - 2 letters between annals and Atanasoff along with edited version of bio
- Folder: Correspondence in re 1981 ENIAC article in *Annals*, including libel issue
  - Correspondence between Bernard Galler and Burks’s re initial submission of paper (referees and reviewers)
  - Letter from Kay Mauchly to Bernard Galler March 22, 1981 re libel and “factual information”
  - Notes on a telephone conference including Galler, Alice and Arthur Burks, Paul Raisig (Exec Dir of AFIPS), and Attorney (AFIPS) Art Herold – libel threats
  - Many notes regarding information

- Many Letters re libel litigation
- Folder: The Computer Museum 1979-1998
  - “Notes on Computer Museum treatment of ENIAC and Atanasoff” by Alice Burks 1/2/98
  - 4 letters between Gordon Bell and AWB re lecture and film 10/27/80-4/13/81
  - Note from Chase Duffy to AWB n.d.
  - 13 letters between AWB and Gwen Bell re lecture visit 5/14/81-4/5/82
  - “The Pioneer Computers 1936-1950” 1981 draft
  - 11 letters between AWB and Susan Hunt (Secretary of Gwen Bell) regarding visit 2/18/82-3/16/82
  - Poster for Burks lecture on “The Origin of the Stored Program” 2/18/82
  - Letter from AWB to Beth Parkhurst re filming of lecture 3/3/82
  - Letter from Beth Parkhurst to AWB re research project on the history of women in programming 2/10/84
  - Letter from AWB to Beth Parkhurst re proposal 3/10/84
  - Review from the *Annals* of the Computer Museum Vol. 7, No. 3, July 1985
  - *Annals* clipping 1986 AFIPS and History by W.M. Carlson
  - Letter from George R. Stibitz to Elsie Atanasoff Whistler re Atanasoff and exhibit 4/2/1986
  - “ENIAC’s Birthday” from *The Computer Museum Report* Summer 1986
  - “Happenings” by Ruth A. Maulucci from *Annals* Vol. 9, No. 2 1987
  - Letter from Sharon O’Brien (Production Researcher for Peace River Films) to AWB re Film at the Computer Museum 9/11/87
  - Letter from AWB to Gwen Bell re ENIAC video 11/25/87
  - Letter from Jan Phipps (Associate Producer from Radio Shack/Tandy) re film of ENIAC 9/1987
  - *Computer Museum Newsletter* March/April 1990
  - *Charles Babbage Institute Newsletter* Spring 1991
  - Letter from Gwen Bell to AWB solicitation 3/23/1992
  - Letter from Gwen Bell to Alice and Arthur Burks re new exhibit 11/17/1995
  - “The Search is on for a computer museum site” *The Star/The News* newspaper clipping 11/96
  - *Charles Babbage Institute Newsletter* Vol. 19, No. 2 Winter 1997
  - Email from Brian Mulloy to AWB re movies regarding the history of the computer: Breaking the Code (historical fiction), Giant Brains (documentary), Dawn of Electronic Computing (documentary), The First Computers (documentary), Inventing the Future (documentary), The Machine that Changed the World (5-part Series), Colossus: The Forbin Project (fiction), 2001: A Space Odyssey (fiction), War Games (fiction), The Thinking Machine (Documentary), The Thinking Machine (documentary, different), Triumph of the Nerds (1, 2 and 3 documentary), Blade Runner (fiction), The KGB, the Computer and me (documentary), The World at Your Fingertips (documentary), The Net (fiction), The Terminator (Fiction)
  - *Digital Computer Museum Report* 1/1982
  - Poster: “Computer Geneology”
  - *The Computer Museum Report* Vol. 22, Spring 1988

- *The Computer Museum Annual Report* 1993
- *The Computer Museum Annual Report* 1994
- *The Computer Museum Annual Report* 1995
- Folder: Hagley Museum and Library (name changed from Eleutherian Mills)
  - 4 pamphlets for the Museum and Library
  - “Computer birth records given to Hagley” *The News-Journal Papers* (Wilmington, Delaware) clipping April 4, 1983
  - *Charles Babbage Institute Newsletter* Vol. 5, no. 2 May 1983
  - Letter from AWB to Edward Jenner re visit to the library 7/2/83
  - Letter from AWB to JV Atanasoff re visit 7/2/83
  - Card from Dorothy Jenner re visit to library 7/9/83
  - Letter from AWB to Michael H. Nash re reprints 8/15/83
  - Letter from Michael Nash to AWB re material about ENIAC 9/12/83
  - Letter from AWB to Michael Nash re permission to use ENIAC film 11/16/83
- Folder: Charles Babbage Institute
  - Pamphlet
  - Letter from Bruce H. Bruemmer (archivist) to AWB re photocopies 10/5/84
  - “Unisys Donates Burroughs Historical Records to Charles Babbage Institute” from *Annals* Vol. 13, No. 4 1991
  - *Charles Babbage Institute Newsletter* Vol. 14, No. 4 Summer 1992
  - *Charles Babbage Institute Newsletter* Vol. 15, No. 3 Spring 1993
  - *Charles Babbage Institute Newsletter* Vol. 15, No. 4 Summer 1993
  - *Charles Babbage Institute Newsletter* Vol. 17, No. 1 Fall 1994
  - *Charles Babbage Institute Newsletter* Vol. 17, No. 2 Winter 1995
- 1982-1987 Excerpts Non-Annals
  - “John von Neumann” by Nancy Stern from *Computer World* 2/1/82
  - “The Independent Inventor” by W. David Gardner” from *Datamation* 9/82
  - “The Case of the ENIAC” by Marshall Ledge from *Pennsylvania Gazette* 10/82
  - *Iowa State Daily* newspaper clipping “Invention of computer credited to former ISU prof” 4/22/83
  - “Computer birth records given to Hagley” 4/4/83 from *The News-Journal Papers* (Wilmington, Delaware)
  - “The ENIAC’s Muddled History” by Marshall Ledger from *Pennsylvania Gazette* November 1982
  - *New York Times* clipping March 22, 1983 “Who Should Get the Glory for Inventing the Computer?” by William J. Broad
  - “After Almost Half a Century, the Father of the Computer Gets a Celebration” by Judith Axler Turner from *Scholarship* October 19, 1983
  - “From ‘a Very Crude Device’” by Frederick W. Miller from *Infosystems* 12/83
  - Letter from JVA to A.R. Mackintosh re thanking for article in *Physics Today* April 1984 (4/23/1984)
  - “Still more on the first computer” by A.R. Mackintosh from *Physics Today* April 1984
  - “Annals News” re ENIAC *Communications of the ACM* Vol. 27, No. 7 July 1984
  - “The midnight ride of John Vincent Atanasoff” by Patrick Bedard from *Car and Driver* 6/84

- *Minneapolis Tribune* clipping 6/10/84 “Lawyer is setting record straight on computer inventor” by Dick Youngblood
- “Who invented general-purpose” by Kathleen R. Mauchly and J.V. Atanasoff from *Computerworld* July 9, 1984
- “The Invention of the Electronic Digital Computer” by William Silag *The Palimpsest: Iowa’s Popular History Magazine* Vol. 65, No. 5 September/October 1984
- “Who Really Invented the Computer?” by Pamela L. Eblen from *ICP Data Processing Management* Autumn 1984
- “NSWC’s J.V. Atanasoff: Recognition comes slowly to computer’s inventory” by George L. Hamlin from *On the Surface* (Naval Surface Weapons Center) September 14, 1984
- “Atanasoff: His work ushered in the Information Age” by Carl Gabriel from *Electronic Education* Vol. 4, No. 1 September 1984
- “Revo. Cult. Dans l’informat.” By Midhat J. Gazale from *L’express* 9/21/84
- Obituary for John G. Brainerd from *New York Times* February 5, 1988
- “The Mauchly Legacy: A Revolution Begun in Pfahler Hall” *Physics Today* n.d.
- Advertisement from Sanwa Business Credit Corporation “Get credit for your success.” With two pictures of the ENIAC and brief explanation.
- “ENIAC: Revisiting the Legend” by Simon J. Langlais from *American History Illustrated* 10/85
- Moore School Computer Museum proposal 1986
- Excerpt from *The Mystical Machine: Issues and Ideas in Computing* by John E. Savage, Susan Magidson and Alex M. Stein Chapter 2: The History of the Computer
- “30-Ton ‘Brain’ Evokes Dawn of the Computer Age” by Matthew L. Wald *New York Times* Feb. 17, 1986
- “A Birthday Party for ENIAC” by Philip Elmer-DeWitt from *Time* Feb. 24, 1986
- Response to “A Birthday for ENIAC” story in *Time* March 24, 1986
- “The first Electronic computer” by Allan R. Mackintosh from *Physics Today* March 1987 sent by Mackintosh to Alice and Arthur Burks (Signed)
- “The Electronic Numerical Integrator and Computer” by J. Presper Eckert from *The Computer Museum Report* Summer 1986
- “The ‘First Computer’ Controversy” Letter in response to Mackintosh’s “The First Electronic Computer” from *Physics Today* December 1987
- Letter from Jesse Hochstadt (Senior Copy Editor of *Physics Today*) re unedited letter 9/28/1987
- Letter from Gloria B. Lubkin (Editor of *Physics Today*) re acceptance of the letter 11/6/1987
- Letter from Richard J. Hart (Editorial Assistant of *Physics Today*) re Complimentary copy of the issue
- Letter from Evan S. Snyder (Department of Physics at Ursinus College) to Gloria B. Lubkin (Editor of *Physics Today*) re article
- Letter from A.R. Mackintosh to *Physics Today* 10/12/1987
- Folder: 1982-1987 Excerpts (Annals)

- “A Trilogy on Errors in the History of Computing” by Metropolis and Worlton Vol. 2, No. 1 January 1980
- “Burks on the Stored-Program Concept” by Burks Vol. 4, No. 2 April 1982
- “Electronic Computing” by Metropolis and Nelson Vol. 4, No. 4 October 1982
- “Meetings in Retrospect: Pioneer Day, NCC ‘82” Vol. 4, No. 4 October 1982
- No title, Vol. 4, No. 4 October 1982 pp 338-339
- “The SSEC in Historical Perspective” by Charles J. Bashe Vol. 4, No. 4 October 1982
- “What Defines a ‘General-Purpose’ Computer?” by Allan G. Bromley Vol. 5, No. 3 July 1983
- Book review of Ceruzzi’s *Reckoners: The Prehistory of the Digital Computer from Relays to Stored Program Concept, 1935-1945*. Vol. 6, No. 2 April 1984
- Essay Review of Ledger’s “The Case of the ENIAC” and “The ENIAC’s Muddled History” from *Pennsylvania Gazette* Vol. 6, No. 2 April 1984
- Two Essay Reviews of Stern’s “Who Invented the First Electronic Digital Computer?” and Turner’s “Almost Half a Century Later, the Father of the Computer Gets a Celebration” April 1984
- “Atanasoff Honored by Iowa State University” Vol. 6, No. 2 April 1984
- “The End of the ABC” by Robert M. Stewart Vol. 6, No. 3 July 1984
- “John Vincent Atanasoff Celebration” by Robert M. Stewart Vol. 6, No. 3 July 1984
- Book Review of Shurkin’s *Engines of the Mind: A History of the Computer* Vol. 6, No. 4 October 1984
- “Minutes of 1947 Patent Conference, Moore School of Electrical Engineering, University of Pennsylvania” Vol. 7, No. 2 April 1985
- “Howard Aiken” Vol. 7, No. 4 October 1985 pp. 354
- Book Review of “Campbell-Kelly’s *The Moore School Lectures*”
- “International Diffusion of Computer Technology, 1945-1955” by William Aspray Vol. 8, No. 4 October 1986
- “Clifford Edward Berry, 1918-1963: His Role in Early Computers” by Jean R. Berry Vol. 8, No. 4 October 1986
- *The Orange County Register* December 31, 1987 “Up Close: Jean Berry”
- “Irven Travis, 1904-1986” and “James Hardy Wilkinson, 1919-1986” Vol. 9, No. 1 1987
- Book Review of Williams’s *A History of Computing Technology* Vol. 9, No. 1 1987
- Source List from article by Jean E. Sammet Vol. 9, No. 2 1987
- ENIAC 40<sup>th</sup> Anniversary Vol. 9, No. 2 1987
- Folder: Bibliography and References (Burks)
  - “Bibliography of Arthur W. Burks”
  - “References for Works on the Invention of the Electronic Computer” by AWB 8/28/03
  - “References for Works on the Invention of the Electronic Computer (Annotated)” by AWB 8/28/03
- Notes and M.S. 1946 Lectures
- Folder: History of Computer Articles (Annals) 1988-98

- No title, vo. 10, no. 4 1989 pp. 259-260
- “Oh, Pioneers!” by Eric A. Weiss Vol. 10, No. 4 1989
- Letter from Eric A Weiss to “Pioneer” (Form letter) re “Oh, Pioneers!” article 6/13/89
- Letter from AWB to Eric A. Weiss re changes to bio info 6/19/89
- *Self-Study* section of *Annals* Vol. 11, No. 1 1989
- “Atanasoff Award” by Alice Burks with reply by J.A.N. Lee Vol. 13, No. 3 1991
- “Clark R. Mollenhoff” obit vol. 13, no. 3 1991
- “Saul Rosen” biography vol. 13, no. 4 1991
- Book Review *A Computer Perspective: Background to the Computer Age* Vol. 14, No. 1 1992
- “About this Issue” section of *Annals* Vol. 15, No. 2 1993
- “Atanasoff at the Naval Ordnance Laboratory” by James E. Tomayko Vol. 15, No. 2 1993
- Bios and Bibs of Atanasoff and Eckert Vol. 17, No. 3 Fall 1995
- “Celebrating the Birth of Modern Computing: The Fiftieth Anniversary of a Discovery at the Moore School of Engineering of the University of Pennsylvania” by Dilys Winegrad Vol. 18, No. 1 1996
- “Before the ENIAC” Vol. 19, No. 2 1997
- “American Computer Museum Launches the George R. Stibitz Computer Pioneer Awards” by Michael R. Williams Vol. 19, No. 4 1997
- Circled bio of Atsushi Akera (writer of review) Vol. 20, No. 1 1998
- “Atanasoff-Berry Computer Replica” by Geoffrey Bowker Vol. 20, No. 1 1998
- “Making first computer come to life again” by Thomas R. O’Donnell in *The Des Moines Register* August 4, 1997
- “International Conference on the History of Computing: Paderborn: 16-17 Aug. 1998” Vol. 20, No. 1 1998
- Folder: Non-Annals Articles 1988-89
  - Note: Aviation Week and Space Technology 12/7/87
  - Presper Eckert Interview 2/2/88 from Smithsonian website (Site inactive)
  - “World’s first large-scale computer on display in the EECS atrium” UM article Spring 1988
  - “ENIAC finds a new home” *The University Record* November 19, 1990
  - “John V. Atanasoff” by Dean Hutchison from *The Daily Tribune* April 30, 1988
  - “Special guests for Atanasoff celebration” notes 5/7/88
  - “Grand Marshal: Dr. John Vincent Atanasoff” by Dean Hutchison 5/7/88
  - “Mollenhoff book gives Atanasoff proper place in computer history” from *The Iowa Stater* May 1988
  - “Computer Inventor back in Ames” from *Iowa State Daily* 5/88
  - “The ABCs of computers” from *IEEE Spectrum* Vol. 12, No. 8 (June 1988)
  - “More recognition for John Atanasoff” from *On the Surface* 6/21/88
  - “How the Computer Revolution Began 50 Years Ago” by William R. Turner with Letter from Turner to AWB re article
  - “The First Electronic Computer” *Physics Today* 3/1987 (Russian Translation)
  - “Documents Implicate Unisys Officers; Pentagon Issues Contract Restrictions” from *Aviation Week and Space Technology* July 25, 88



- First draft of “Atanasoff’s Electronic Computer” by Mackintosh
- “Another Atanasoff discovered” from *On the Surface* Vol. 11, No. 17 1988 re asteroid named after Atanasoff with Letter from Geo Hamlin
- Letter from Alice Burks to Alice ?? re order of books
- Letter and Response from *Scientific American* re Mackintosh’s article Dec. 1988 with Letters from Saul Rosen and Mackintosh
- “Pentagon official is accused of taking bribe” from *The Ann Arbor News* Dec. 28, 1988
- “Investigators have videotapes of payoffs in Pentagon probe” (AP article) 1988
- Letters and articles from editors of *Encyclopedia of Computer Science and Engineering*
- “It was the toughest of times, now it’s the best so far...” by Janet Nellis Mendler April 1989 from *Michigan Today* re Irma M. Wyman
- “Origins of Radio” *Wall Street Journal* 6/23/89
- Faculty Awards from *The University Record* 10/9/89
- “Unisys wins \$44.9-Million Contract to Upgrade Airport Radar Systems” from *Aviation Week and Space Technology* November 6, 1989
- “’39: Tech’s watershed year” by John Hillkirk from *USA Today* 12/1/89
- Folder: Non-Annals Articles 1990-1998
  - Letters and articles re the 1989 *Encyclopaedia Britannica* misinformation about the ENIAC
  - “The College that created the computer” by Leonard W. Boasberg from *The Philadelphia Inquirer* May 14, 1990
  - “The stored program concept” by William Aspray from *IEEE Spectrum* September 1990 with letters and articles re the review of Aspray’s article
  - “The Origins of the Modern Computing” by Saul Rosen Reprinted from *Computing Reviews* Vol. 31, No. 9 September 1990
  - “UNISYS struggles to turn a profit after merger” by Bart Ziegler from *The Ann Arbor News* Sept. 10, 1990
  - “Probe in arms fraud gathers steam” from *The Ann Arbor News* Nov. 23, 1990
  - “National Medal of Technology” from *Science* Vol. 250 11/11/90
  - Introduction from *A Computer Perspective* by I. Bernard Cohen 1991
  - “UNISYS is bailing faster” from *Business Week* August 5, 1991
  - “UNISYS chips away at huge debt, hacks 14% of staff” from *The Ann Arbor News* August 8, 1991
  - “UNISYS admits bribery and fraud, will pay record \$190 Million Fine” from *Aviation Week and Space Technology* Sept. 16, 1991
  - Note: *Business Week* article “Unisys: Out of the Bleak and into the Black”
  - “ABC: The First Electronic Digital Computer? By Bruce S. Hale from *QST* 9/1992
  - The ACM’s History of Electronic Computing (1993) with Letter from Arthur E. Oldehoeft to Jeanne Dunn
  - “Back to Basics puts IBM Telescopes out of focus” by John Cunniff (AP article) August 18, 1993

- Book review of *Sparks of Genius: Portraits of Electrical Engineering Excellence* from *Center for the History of Electrical Engineering Newsletter* No. 34 Fall 1993
- “The bean counter as hero” by Dana Wechsler Linden from *Forbes* October 11, 1993 re Unisys
- “Inventor finally wins credit for the electronic computer” from *Traverse City Record* (Eagle, MI) Dec. 19, 1993
- “The Computer Wars” by James Fallows 3/1994 from *The New York Review*
- “The First Bug” from *Byte* April 1994
- *Nucleus* Vol. 16, No. 1 Spring 1994
- “American Museums: Bossy sponsors” re Smithsonian Computer history exhibit from *The Economist* April 30, 1994
- “America’s Atomic History” from *The New York Times* Editorials August 4, 1996
- “Intellectuals can be censorious” from *The Ann Arbor News* Dec. 28, 1995
- “History should enlighten, not frighten” from *The Chicago Tribune* Jan. 8, 1996
- “D’Amato Backs Unisys Radar for Monitoring Airport Wind Shear” from *The New York Times* July 25, 1994
- *Charles Babbage Institute Newsletter* Vol. 16, No. 2 Winter 1994 “Atanasoff Exhibit”
- 1995 Unisys Advertisement
- *Peirce Project Newsletter* Vol. 2, No. 2 Winter 1995-96 “Peirce and the Year of the Computer”
- *Time* advertisement for the book: *Great People of the 20<sup>th</sup> Century* 1996
- Letter and response re article *The New York Review* 1996
- “ENIAC Records Preservation Project Receives Funding” from *Hagley Museum and Library Newsletter* Vol. 25, No. 2 Summer 1996
- “Back to Bikini” re atomic testing from *The Ann Arbor News* July 25, 1996
- *Charles Babbage Institute Newsletter* Vol. 19, No. 1 Fall 1996
- Timeline from *Computer* October 1996
- “History of Software Begins with the Work of Some Brainy Women” from *Wall Street Journal* Nov. 25, 1996
- “Preserving Records of the Early Computer: An NHPRC Project Draws Attention” from *The Record* Vol. 3, No. 4 March 1997
- “A Military Monopoly?” from *Peace Action Flash!* 2<sup>nd</sup> Quarter 1997
- *Center for the History of Electrical Engineering Newsletter* No. 45 Summer 1997
- “A Modern Review of ‘Electronic Computing Circuits of the ENIAC’” by Paul B. Schneck from *Proceedings of the IEEE* Vol. 85, No. 7 July 1997
- “John Vincent Atanasoff” by Jeffrey Young from *Forbes* July 7, 1997
- “The Evolution of the Calculator” from *The New York Times* Sept. 1, 1997
- “New Technologies may speed computing” by Robert S. Anthony 9/25/97
- “An Ancient Feud: Who Invented the Computer” from *The Chronicle of Higher Education* October 3, 1997
- *Time* Man of the Year issue: Andrew Grove Dec. 29, 1997
- *Charles Babbage Institute Newsletter* Vol. 20, No. 3 Spring 1998
- “TV: The Mummy’s Curse” by John Leonard from *The New York Review* 8/98

- “As Simple as ABC: A Pioneer Computer is Duplicated from *National Geographic* August 1998
- Poster for Arthur Burks’ lecture at IUPUI April 12 (1998?)
- “Another First Computer” by Frederic D. Schwarz from *Invention and Technology* Spring 1999
- *Discover* The Most Amazing Century of Science issue January 2000
- *Time* The Century’s Greatest Minds issue March 2001
- Folder: Mollenhoff book (obituaries and notes)
  - “Pulitzer-winner Clark Mollenhoff dies” from *Des Moines Sunday Register* March 3, 1991
  - Obit *Fort Dodge Messenger* 3/5/91
  - Obit *Omaha World-Herald* 3/4/91
  - Obit *Cedar Rapids Gazette* 3/3/91
  - “Clark R. Mollenhoff, Pulitzer Winner, Dies at 69” from *The New York Times* 3/4/91
  - “Iowa’s most famous journalist dies” *Fort Dodge Messenger* 3/3/91
  - “Pulitzer Winner Mollenhoff Dies” from *Sunday World-Herald* 3/3/91
  - “Ballad to John V. Atanasoff” poem by Mollenhoff 1989
  - “Mollenhoff to Receive Missouri Honor” from *News-Gazette* 10/18/1989
  - In Memoriam pamphlet of Gjore Jean Mollenhoff (Clark R. Mollenhoff’s daughter) 1988
  - Notes on Mollenhoff phone call 6/28/1987
- Folder: Nancy Stern Book Quotes and notes
  - 9 pp. notes from book ARB
- Folder: Interview of Arthur Spring 2003 by Enid Galler (3 Tapes and Transcript)
- Folder: 4/2000 events at De Pauw University
  - Letters from *De Pauw Alumni Magazine* Summer/Fall 2000 letter from ARB
  - Letter/Card from ARB to Gloria Townsend (2000) re “Old Gold medal”
  - ARB’s talk to Women in Science, De Pauw University
  - Letter from Neal Abraham to the Burkses re past visit
  - Email from Dr. Dennis A Trinkle to AWB re visit
  - De Pauw Schedule April 27-28, 2000 re award
- Folder: DePauw University ENIAC Parts Transfer
  - 2 Emails between Burks and Carl Singer
  - 20 Emails between Burks and Douglas Harms
  - Photos from a website
  - Letter from Neal Abraham to Burkses
  - Letter from Douglas Harms to Burkses
- Folder: Misc.
  - Letter from Joel Berger (UM) to AWB re taped lecture 1988
  - “A Byte of History” from *The Courier-Journal* June 10, 1981
  - Memo to CCS Faculty from Bernard Galler re tapes
  - Emails re the Jean Jennings Bartik Computer Science History Museum at Northwest Missouri State University, 2002
  - Emails and article re Chris Evans’ interview of AWB
  - Correspondence between AWB and Heinz Zemanek

- Comments on Evans Interview of JV Atanasoff with MS
  - Bio of AWB on website: Philosophy and History of Science, Kyoto University
- Folder: Huskey Memoir 1991 – from *Annals* Vol. 13, No. 3 1991
- Folder: Von Neumann Report on EDVAC 1945 – First Draft
- Folder: Critical Pages – Eckert-Mauchly 9/30/45 EDVAC Report “Automatic High-Speed Computing: A Progress Report on the EDVAC”
- Folder: Original Version of ENIAC Paper “The ENIAC: First General-Purpose Electronic Computer” by AWB and ARB 179 pp.
- Folder: ENIAC Paper, comments on first draft and author responses
  - Letter from Kay Mauchly to Bernard Galler March 22, 1981
  - Letter from JVA to Bernard Galler 2/6/1981
  - “Burks Response to JVA” May 26, 1981
  - Letter from JVA to AWB 4/9/81
  - Letter from C.J. Bashe to Bernard Galler 3/13/81
  - Letter from John G. Brainerd to Bernard Galler 2/27/81 w/4 pages of comments on the paper
  - “Burks Response to Brainerd” 5/26/81
  - Letter from H.D. Husky to Bernard Galler w/3 pp of comments
  - “Burks Response to H.D. Huskey” 5/29/81
  - Letter from Cuthbert Hurd to Bernard Galler 2/5/81
  - “Burks Response to C.C. Hurd 5/26/81
  - Letter from Brian Randell to Bernard Galler w/3 pp of comments 2/12/81
  - “Burks Response to B. Randell 5/29/81
  - Letter from Helmut T. Schreyer to Bernard Galler (n.d.)
  - “Burks Response to H.T. Schreyer” 5/29/81
  - Letter from Hank Tropp to AWB 2/18/81
  - “Burks Response to H. Tropp” 5/26/81
- Folder: ENIAC paper – 2<sup>nd</sup> draft (revised 6/3/81) 180 pp.
- Folder: ENIAC paper – Comments on Second Draft
  - Memos from *Annals* to JVA, Huskey, Tropp, Hurd, Brainerd, Randell, Zuse, Galler
  - Letter from Kay Mauchly to Bernard Galler 6/25/81
- Folder: ENIAC Paper as Report Jan. 11, 1981 for Logic of Computers Group (Department of Computer and Communication Science – UM)
- Folder: ENIAC Paper Published Comment and Author Responses
  - Memo from Bernard Galler to the Burkses 9/9/81
  - “Authors’ Responses” n.d.
  - Comments by JVA
  - Comments by Brainerd
  - Comments by Mauchly and Eckert
  - Comments by Randell
  - Comments by Zuse
  - Burks reply to each of above
- Folder: Annals Oct 1981 Issue with ENIAC article (and Mailing Lists) (And Letters)
  - Mailing List (handwritten)
  - Card to Alice and Arthur Burks from Dorothy and Ed April 29, 1982

- Note from Maurice to Art April 26, 1982
- Note from Ken and Wilma to Art and Alice April 22, 1982
- Letter from Marvin and Joan Carmack to Alice and Arthur 5/5/1982
- Card from Joan to Burkses April 11, 1982
- Note from Carlton to Art 3/30/82
- Note from Charles and Joanna to Art 3/31/82
- Note from Toby and Julie Tedrey to Art and Alice 8/3/1982
- Note from J. Weudel to Art 6/14/1982
- Note from Carl Akerlof to Art (n.d.)
- Note from Jean Nakhnikian to Alice and Art (n.d.)
- Letter from Ronald Overmann to Art and Alice 5/10/1982
- Letter from Mrs. Clifford E. Berry to Art 4/20/1983
- Memo from Alan Merten to Art 9/10/1982
- *Annals of the History of Computing* Vol. 3, No. 4 October 1981
- Folder: The ENIAC articles
  - “Genesis of the ENIAC” by John G. Brainerd from *Technology and Culture* July 1976 Vol. 17, No. 3
  - “Early Electronic Computers” by Herman H. Goldstine
  - “The ENIAC” by Brainerd and Sharpless from *Electrical Engineering* Vol. 67 (February 1948)
  - “The ENIAC Story” by Martin H. Weik from *Ordnance* Jan-Feb 1961
  - “The Electronic Numerical Integrator and Computer (ENIAC) by Goldstine from *Mathematical Tables and Aids to Computation* Vol. 2, No. 15 July 1946
  - “J.G. Brainerd on the ENIAC” from *Annals* Vol. 4, No. 1 January 1982
  - Rough Draft of Brainerd’s ENIAC Lecture 6/25/1981
- Folder: Non-Annals Articles, Letters 1971-81
  - “List of publications 8/71-10/81 relevant to Eckert and Mauchly vs. Atanasoff or von Neumann suited to my presentation”
  - “The Little Known Creators of the Computer” from *Nation’s Business* Dec. 71
  - “ENIAC in Court: What Might Have Happened” from *Datamation* June 1973
  - “How the Judge Looked at the IBM-Sperry Rand ENIAC Pact” from *Datamation* January 1974
  - “Technik Geschichte” 1975
  - “A Faster Cratchit: The History of Computing at Michigan” from *Research News* Vol. 27, No. 1 January 1976
  - “The Age of Miracle Chips” from *Time* February 20, 1978
  - “In the Beginning, the ENIAC” from *Datamation* 5/79
  - *The Wall Street Journal* June 5, 1979 “Who Would have Thought the Father of Goliath Would be Introducing David? Meet the Sperry UNIVAC1100/60 Computer
  - “In the Beginning, There Was Mauchly” from *Datamation* March 1980
  - “Whatever happened to J. Presper Eckert?” from *Pennsylvania Gazette* 3/80
  - “A Master of Understatement” from *Datamation* 5/80
  - Book review of *A History of Computing in the Twentieth Century* from *Science* vol. 212 5/1/81
  - Book review of *ENIAC to UNIVAC*

- Folder: Annals Articles excerpts and Alice’s notes 1979-81
  - List
  - Many pages of handwritten notes on articles
- Folder: Figures and Tables, Drawing and Charts as used and Xeroxes of photos used (1988 Burks Book) (Some 2003 Book) (Some trial Exhibits)
  - Table 1, Fig. 1, Fig. 2, Fig. 3, Fig. 4, Fig. 5, Fig. 6, Fig. 8, Fig. 9, Fig. 12, Fig. 15, Fig. 16, Fig. 17, Fig. 19, Fig. 20, Fig. 26, Fig. 27, Fig. 28
  - 2003 book: Fig. 7, Fig. 9, Fig. 13, Fig. 15, Fig. 17, Fig. 19, Fig. 20, Fig. 21, Fig. 22, Fig. 23, Fig. 24, Fig. 33
  - Trial Exhibits: 21166.7, 21166.5, 21165.3
  - From article: Von Neumann and his Computer, Fig. 9, Fig. 1, Fig. 2, Fig. 3, Fig. 12a
  - From Article: fig. 1, Fig. 2, Fig. 3, Fig. 4, Fig. 5, Fig. 4
- Folder: Photos Arthur W. Burks 1946
- Folder: Photos: ABC ca. 1942 - Atanasoff-Holley Medal 1985
- Folder: Photos, Mauchly and Eckert 1946

### **Course Notes – 1 box**

- Folder: 571 Auxiliary
- Folder: EECS 571
- Folder: Microprogramming
- Folder: Reliability
- Folder: Alexander, Burks, Flanders and Jim Robertson
- Folder: Microprogramming
- Folder: CCS 569 Originals and Handouts
- Folder: CCS 569 Assignments and Exam
- Folder: Slide Lists
- Folder: Interest Items
- Folder: CCS 469 Lectures 1981
- Folder: Movies
- Folder: Problems to be solved
- Folder: 1981 469 Course Pack
- Folder: Atlas paging
- Folder: (stock machines)
- Folder: VN’s first program
- Folder: What is a VN Machine?
- Folder: 1984 CCS 569
- Folder: Computer Generality
- CCS 569 Computer Structures “The Arithmetic Unit of the IAS Machine”
- Folder: CCS 569 Exam 1984
- Folder: RW400
- Folder: Pegasus
- Folder: Whirlwind
- “Adding a Tape Drive to the EDVAC”

- Folder: PDP 11
- Folder: IBM 360
- Folder: The Electronic Computer Revolution
- Binder: CCS 469 1982 Course Pack

### **ENIAC Miscellany [January 2009 Accession]**

- Vol. 3, No. 4 *Annals of the History of Computing* October 1981 photocopy
- Dissertation: “The ingenuity of common workmen: And the invention of the computer” by Byron Paul Mobley Ames, IA 2001
- Folder from convention: The International Symposium on Modern Computing In celebration of Atanasoff’s 100<sup>th</sup> birthday: October 30-November 1, 2003
- ENIAC Patent Trial Papers: (All computer printouts)
  - “Our Treatment of Issues by topic – EN Patent Trial (A Running account)”
  - “Issues by Topic, cont.”
  - “Excerpts: Judge Larson’s Decision, EN Patent Trial”
  - “Testimony Excerpts: ENIAC Patent trial”
  - “Testimony Excerpts, cont’d”1q

### **ENIAC reports and trial docs, Atanasoff docs – 1 box**

“Folder Title”

- “ENIAC Exhibit – Owner Ship Status” University of Michigan request for part of ENIAC for display
- “Atanasoff – 1983-84 Annals Articles”
- “J.V.A’s Digital Talk (Dig. Computer Museum) 1980” transcript for lecture
- “Documents Submitted by S. C. Yuter, J.S.D., Attorney for Professor Arthur W. Burks” Honeywell vs. Sperry Rand and Illinois Scientific Developments includes Brief for Burks, Profert by Burks, Affidavit of Burks, and Exhibits of Affidavit of Burks (2 copies)
- “AWB Affidavits” 3 copies
- “Sharpless and Burks on Contributions to ENIAC in regard to Patent Rights” Affidavit of Thomas K. Sharpless and correspondence between Eckert and Burks about Patent
- “Misc Letters”
  - Letter: Burks to Professor Nathan Houser 2-18-1996
  - Vitae of AWB
  - Newspaper clipping: Saturday, March 21, 1998 Ludwig Wittgenstein vs. Karl Popper controversy
  - Eulogy for Professor Richard Brandt by AWB
  - Letter: Nathan Houser to Burks 3-25-1997
  - Email: Burks to unknown ([alker@rcf.usc.edu](mailto:alker@rcf.usc.edu), cc’ed [mdc@crew.umich.edu](mailto:mdc@crew.umich.edu)) 3-23-1997
  - Email: Burks to unkown ([koza@cs.stanford.edu](mailto:koza@cs.stanford.edu)) 7-2-1997
  - Letter: Burks to Betsy Adams (class note for Class of 1936) 9-18-1997
  - Email: Tom Sharpless to Arthur Burks 11-6-2001
  - Letter: S. Reid Warren, Jr. to AWB, enclosure: photo taken at the Mauchly’s in Collegetown, PA during the spring or summer of either 1941 or 1942, picture includes: John W. Mauchly, Arthur W. Burks, Cornelius N Weygandt, Carl C.

Chambers, Mrs. Mauchly (John's mother), John Grist Brainerd, S. Reid Warren, Jr., Mary Mauchly, Signey Mauchly, Marion Weygandt, Margaret Morgan, marian S. Warren, Mrs. Douglas W. Mode, Margaret M. Chambers, Carol P. Brainerd, Jimmy Mauchly, S. Reid Warren, III, Alan Warren, Jimmy Chambers, Nancy Chambers 4-7-1982

- Letter: Plaintiff's Trial Exhibit No. 16213 R.K. Richards To John W. Mauchly requesting information about Atanasoff's meeting with Mauchly 3-19-1963
- Essay: "The Use of High Speed Vacuum Tube Devices for Calculating" by Brainerd? Ca. 1943
- Copy of letter to Eckert from Sharpless 1946
- Note on Eckert 4-1-1970
- Charles Babbage Institute Newsletter – uses copy of photograph taken at the Mauchly's mentioned above Vol. 11, No. 2 Winter 1989
- Letter: Burks to Dr. Herman H. Goldstine (IBM Corporation) 8-11-1970 about ENIAC
- Letter: Burks to Irven Travis 11-19-1984
- Letter: Burks to Professor S. Reid Warren, Jr. about Von Neumann, EDVAC, ENIAC 7-27-1982
- Letter: S. Reid Warren, Jr. to Burks about Nick Metropolis's book 6-2-1982
- Letter: Stuart Lutz to Burks about an interview for an oral history project 1-11-2005
- Main Outline for Patent Applications 2-5-1945
- "Nicholas Metropolis" Two letters between Burks and Metropolis 1979
- Note on E&M Use of Function Tables for Programming vs. Clippinger and Von Neumann by Burks 4-20-1986
- Letter on IBM letterhead from W.C. Carter to Prof. Brian Randell about the modified ENIAC 1-3-1983
- "Simplified High-Speed Multiplier Program Control" by Burks
- "Disclosure of Magnetic Calculating Machine" by J. Presper Eckert, Jr. 1-29-1944
- "Comments and Notes on Halladay's Plaintiff's Final Brief on the Merits" by AWB
- "Notes on SR and ISD Final Brief"
- "AWB on Contentions between Eckert and Mauchly vs. von Neumann, particularly in regard to March 1945 meetings with von Neumann and von Neumann's report on the EDVAC"
- "Notes on Invention of the Stored-Program Computer" by AWB 7-19-1986
- "An Account of My Discussions with John Mauchly Concerning John Atanasoff's Computing Maching, with Background Materials" by AWB 10-16-1969
- "How the High-Speed Multiplier Executes an Instruction" by AWB
- "1945 Meetings"
  - Notes on Meeting with Dr. Von Neumann by AWB 3-14-1945
  - Copy of Letter from War Department to Moore School of Electrical Engineering 4-10-1946
  - War Department correspondence 1945
  - Supplementary Outline – Devices for Computing by Eckert
  - Outline of Material Suggested for Patent Applications



- “Letters in regard to Revision of ENIAC” Smithsonian, Metropolis, Department of Computer and Communication Sciences, Clippinger Paper: “General Principles of Coding with Applications to the ENIAC” by John von Neumann
- “Berkley Fritz on ENIAC” annals
- “Original ENIAC Dynamic Display” Operator’s Manual
- “Description of the ENIAC” by Eckert, Mauchly, Goldstine, Brainerd 11-30-1945
- “ENIAC Weight”
- “ENIAC Photos” Aberdeen Proving Ground 7-7-1948, High-Speed Multiplier, Cycling Unit, Digit Trays, and others
- “Original of Pictures of ENIAC Exhibit”
- “Report on and Plans for the ENIAC Exhibit” by Burks 9-21-1967
- “ENIAC Weight”
- “The ENIAC: What It Was and How It Came to Be Here” Typescript of speech at ENIAC exhibit unveiling, Atrium, EECS building 11-9-90
- Letter and documents: To Ed Caldwell and Virginia Wait from Burks about ENIAC exhibit at the EECS Atrium
- Magazine Clipping: *Michigan Engineer* Winter 1991 ENIAC display
- “Figures from 1981 ENIAC Article”
- “ENIAC Pictures”
- “In regard to ENIAC Exhibit at EECS 1980-81”
- “ENIAC Operations Manual”
- “Eckerts’ Magnetic Drum Calculator Disclosure”
- Burks on ENIAC display at EECS
- Note on ENIAC Architecture 5-15-1981 by AWB
- “An Account of My Discussions with John Mauchly Concerning John Atanasoff’s Computing Machine, with Background Materials 10-16-1969
- “License Agreement between Sperry Rand and IBM” 8-21-1956
- “Ballistic Research Laboratories Report No. 673 A Logical Coding System Applied to the ENIAC” by R.F. Clippinger 9-29-1948
- “Mauchly-Clayton Correspondence” (1940)
- “Mauchly-Atanasoff Correspondence” (1941)
- “Ballistic Research Laboratories: Operating Time and Factors Affecting It, of the ENIAC, EDVAC, and ORDVAC During 1952” by Homer W. Spence
- “ENIAC Publicity”
- “Halladay Correspondence” 1970
- Edward L. Jenner and AWB Correspondence ca. 1956
- “Clifford Berry’s Memo on ABC-in-progress” early 1942
- “Research Corp Support for Atanasoff for ABC” 1941
- “Atanasoff in regard to Patent Search” 1937
- “Atanasoff – Trexler correspondence in regard to possible patent of the ABC” 1940-42
- “Clifford Berry’s Memo on the ABC as it was Being Built”
- “Atanasoff notes as he wrote his 1940 ms. (Trial Exhibit)”
- “Affidavit File”
- “Letter regarding ENIAC reports, etc.” one letter to Halladay from Burks

- “ENIAC weights”
- “Brainerd, Eckert, Mauchly ENIAC Report” 11-30-1945
- “Report on an Electronic Difference Analyzer” by Moore School of Electrical Engineering 4-8-1943
- “First ENIAC Report December 31, 1943”
- “The ENIAC Progress Report Covering Work from January 1 to June 30, 1944”
- “The ENIAC Progress Report Covering Work from July 1 to December 31, 1944”
- Profert by AWB with Affidavit and Exhibits (Honeywell vs. Sperry Rand case) 2 copies
- “ENIAC Patent”
- “Report on the ENIAC” Technical Report I Volume I 6-1-1946
- “Report on the ENIAC” Technical Report I Volume II 6-1-1946
- “Report on the ENIAC” Technical Report II Description and Instructions for Operation and Maintenance
- “Report on the ENIAC” Operating Manual
- “Report on the ENIAC” Maintenance Manual

### **ENIAC trial and CDC – 1 box**

- Larson Decision Quotations relevant to Atanasoff compiled 6/9/1982
- “An Account of My Discussions with John Mauchly Concerning John Atanasoff’s Computing Machine, with Background Materials” 10/16/1969
- “Minutes of Moore School meeting of 8 April 1947 in re Eckert-Mauchly vs. von Neumann on patent matters (Also published in Annals)” 2 copies
- “Progress Report on the EDVAC” Sept. 30, 1945” first few pages
- “Memory System Patent”
- “Signal Responsive Device Patent”
- “ENIAC Patent”
- “Brief, Profert, Exhibits of Affidavit of AWB and correspondence among Burks, Robert Shaw, Sharpless, Goldstine, Yester, J.S.D., and Attorney for Burks
- ENIAC Trial documents
- “Report on the ENIAC” Technical Report II Description and Instructions for Operation and Maintenance
- ENIAC Trial Testimony Vol. 77 11/8/1971 (Mauchly)
- ENIAC Trial Testimony Vol. 78 11/8/1971 (Mauchly)
- ENIAC Trial Testimony Vol. 79 11/10/1971 (Mauchly)
- ENIAC Trial Testimony Vol. 80 11/11/1971 (Mauchly)
- ENIAC Trial Testimony Vol. 82 11/15/1971 (Mauchly and Chambers)
- Letter: To Dr. Seymour Yuter from AWB 6/4/1971
- Letter: To Dr. Seymour Yuter from AWB 9/16/1968
- Correspondence between AWB from H.H. Goldstine 1964-1965
- “My Contributions to the ENIAC” by AWB
- Article: “Anatomy of an Automated Lawsuit” by Henry Halladay from Litigation Vol. 3 No. 3 Spring 1977
- “Larson’s ENIAC Decision”

- “Honeywell vs. Sperry Rand Atanasoff Deposition Vol. 1 11/11/1968
- “Honeywell vs. Sperry Rand Atanasoff Deposition Vol. 2 11/12/1968
- ”Honeywell vs. Sperry Rand Atanasoff Deposition Vol. 3 11/13/1968
- “Honeywell vs. Sperry Rand Atanasoff Deposition Vol. 4 11/14/1968
- “Honeywell vs. Sperry Rand Atanasoff Deposition Vol. 5 11/15/1968
- “Honeywell vs. Sperry Rand Atanasoff Deposition Vol. 6 12/3/1968
- “Honeywell vs. Sperry Rand Atanasoff Deposition Vol. 7 12/4/1968
- “Honeywell vs. Sperry Rand Atanasoff Deposition Vol. 8 12/5/1968
- “Honeywell vs. Sperry Rand Atanasoff Deposition Vol. 9 12/6/1968
- “Sperry Rand vs. CDC Mauchly Deposition Day 1” 10/11/1967
- “Sperry Rand vs. CDC Mauchly Deposition Day 2” 10/12/1967
- “Sperry Rand vs. CDC Mauchly Deposition Day 3” 10/13/1967
- “Kathleen R. Mauchly Honeywell vs. Sperry Rand Deposition in re Atanasoff”
- “Legvold Deposition in Sperry Rand vs. CDC (With Atanasoff Comments)” 12/6/1967
- “Lura Atanasoff Deposition in Sperry Rand vs. CDC (with Atanasoff comments)” 12/5/1967
- “Atanasoff Deposition, together with Atanasoff Corrections Sperry Rand vs. CDC” 2/13/1968

#### Misc – Box #1

- Folder
  - Picture of Art 1985
  - Letter from An Yan-ming to AWB re Beijing visit 12/2/1985
  - Letter from Luo Guojie (Phil. Dept of The People’s University of China) to AWB re visit 5/22/1985
  - “On the Notion of Value in Marxist Ethics” by Luo Guojie
  - Letter from Shanghai Academy of Social Sciences re visit 8/15/1985
  - “Traditional Chinese Medicine Versus Western Medicine” by Nengyu Fang
  - Letter from Su su Zheng to AWB re interview and visit 9/30
  - *Natural ??? Philosophies* Chinese translation 1984
  - Letter from Wang Ping re visit 2/16/1984
  - Letter from Xin Fensi to AWB re visit 1/14/1984
  - Letter from AWB to Chou Li-Quan 1/19/1985 schedule of visit
  - *Philosophy Translations* 1984 with AWB article
- Folder: My Chinese Proposal
- Folder: China Trip Correspondence
- *The Research News* (UM) January/February 1980
- *China Exchange News* Vol. 16, No. 1 March 1988
- Folder: Copies of Chinese Translations 1985
- Folder: China trip Notes 8
- Folder: Ren Xiao Ming Wuhan University
- Folder: Letter to Pres. Fleming
- Folder: NSF – History Computers Grant 1983
- Folder: JVA Interviews by AWB (May 1979)

- Folder: Clippenger Interview
- Folder: Analyses of Peirce's work
- Folder: A Theory of Morality Based on the Philosophy of Logical Mechanism
- Folder: Brent – Articles on Peirce
- Folder: Houser – Roberts Book Correspondence
- Folder: Charles S. Peirce House
- Folder; My PhD Thesis
- Folder: Our Senses on Reasoning Machines
- Folder: Peirce Logic machine lectures
- Folder: Peirce Biography
- Folder: Weiss Review
- Folder: Peirce Project
- Folder: Indianapolis – Peirce on Machine
- Folder: Letters about PLM Philosophy of Logical Mechanism
- Folder: Correspondence – Yuter
- Folder: On the Origin of the Stored-Program Computer
- Folder: Background Info on ENIAC Patent Rights
- Folder: ENIAC active 1971
- Folder: Bentley Library – Bob Warner
- Folder: ENIAC – Ann Arbor News
- Folder: Russel Lecture
- Folder: IAS and Idealized Computer Simulators
- Folder: Articles
- Folder: Documents in re to ENIAC paper publication
- Folder: Atanasoff – Early File
- Folder: Referee's Reports on Atanasoff's paper for *Annals* 1983
- Folder: Atanasoff 1980-1982
- Binder: "The Semiotics of Faith and Reason in the Philosophies of Kant, Peirce and James"
- Binder: Two Logical Theories of Evolution and the Relation of Mind to Matter

#### **Misc – Box #2**

- Nancy Stern's PhD thesis project on Eckert-Mauchly ca. 1977
- "Basic Circuitry of the MIDAC and MIDSAC" supported by the Boeing Airplane Company, University of Michigan, Engineering Research Institute May 1954
- Photocopy pages 102-113 of *Automatic Computing Machinery*
- Copy of letter and essay by von Neumann March 14, 1950 to Mr. Northrop
- von Neumann's handwritten sorting program of May 1945
- Material from late 1945 to mid-1946 concerning ENIAC and EDVAC patents
- Few pages of von Neumann draft report of EDVAC
- Von Neumann sorting program
- EDVAC PY report submitted by Eckert, Mauchly and Warren
- Notes on ENIAC progress report to Dec. 31, 1943
- ENIAC Proposal April 1943

- Incomplete progress report on the EDVAC
- “First Draft of a Report on the EDVAC” by von Neumann June 30, 1945
- Criticism and comments on AWB’s book about ENIAC includes letters from Judge Larson, Mauchly estate, Atanasoff, Nancy Stern, et al
- 1951 Computer Conference in Philadelphia (Joint AIEE-IRE Computer Conference)
- List of ENIAC Alums: Ruth Raushenberger Ammlung, Kay Antonelli, Isaac Auerbach, Elizabeth Bartik, AWB, and Lila Todd Butler
- Minutes of 1947 Patent Conference – Moore School (Eckert and Mauchly) photocopies from Annals, Vol. 7, No. 2 April 1985
- Fleming’s Valve
- Article on Titan computer “The Structure of a Multiprogramming Supervisor” by Hartley, Landy and Needham
- Folder about the Atlas Scheduling System, includes articles and diagrams
- George Stibitz 1988
- George Stibitz – Annals
- Stibitz, Eckert and Mauchly on early computers
- William Aspray’s Interview of AWB June 20, 1987
- UNIVAC notes and article
- MIDAC lecture notes by Kenneth L. Stokes 10/2/1975
- MIDAC photocopies pictures
- IBM 650 diagrams, notes, and articles
- ACE notes and diagrams
- STRETCH and HARVEST systems articles
- Project Whirlwind photocopy of article in *Datamation*
- Pegasus notes and diagrams
- AWB’s early work on ENIAC
- Letters regarding Annals article
- Articles and Letters on who invented the computer (photocopies and reprints)
- Copies of articles and letters on Smithsonian in regard to Information Age Exhibition and problem of Enola Gay Exhibit
- Cigar box with three audiocassettes: AWB’s “Logic of Computers” address at the National Computer Conference May 19-22, 1975
- Program for the Computer Pioneer award to AWB and Harry D. Huskey
- Los Alamos Conference on Computer History June, 1976 – Tapes, notes, papers

### **Misc – Box #3**

- Chain of invention of electronic computer (from Alice’s book)
- A later version of the chain of invention
- “Bibliography on the Invention of the Electronic Computer” by AWB
- Notes on the Logic and the Beginning of the Electronic Computer Revolution
- Draft of Part 5 (Atanasoff’s Place in History) of joint 1988 book (different from the final version with fresh material)
- “My last book 2002 files”
- Stuart Lutz correspondence (emails and letters)

- AWB and ARB entries in Dictionary of Modern American Philosophy 2005
- Art and Alice Miscellaneous correspondence (Frank Anscombe, Moshe Vardi, Jeremy Norman, and Knut Skog)
- Proposal to the National Science Foundation by University of Michigan “Formal and Interdisciplinary Studies of Adaptive and Computing Systems 1979-1982”
- Proposal to the National Science Foundation by University of Michigan “The Invention of the Electronic Computer” 1983
- Proposal to the National Science Foundation by University of Michigan “The Invention of the Modern Computer” 1987
- Early EDVAC development correspondence
- Berg correspondence in regard to Mauchly and Atanasoff
- Misc. correspondence (John Searle, Karl Hoepfner, Fred Singer, Stibitz, Ryota Suekane, Jeffrey K. MacKie-Mason, Dean Glandt)
- Bios and CVs of AWB
- Notes of AWB and ARB
- Misc pics and diagrams
- Introduction to EDVAC report 9/30/45
- Mollenhoff Info
- Attanasoff Info
- Marina v.N. Whitman’s *John von Neumann: A Personal View*
- Newspaper clippings about Joseph Brent’s book on C.S. Peirce
- Notes
- Letters from AWB (Atanasoff, Douglas Van Houweling, et al)
- Letter to Attorney Call and Call’s opinions thereon 1986
- Note on “A Magnetic Drum Computer Derived from ABC and EDVAC
- Misc correspondence
- Iowa State film script and preparations for it
- Letter from AWB to Dennis Brown (Chair of the ENIAC 50<sup>th</sup> Anniversary Committee) synopsis of ENIAC experience
- Alice and Art’s evaluation of Iowa State ABC project for NSF 5/29/96
- U.S. patent no. 4,881,178
- U.S. patent no. 4,697,242
- “Eckert and Mauchly Can’t Have it Both Ways” AWB 3/7/77
- “Pres Eckert on Logic” AWB 2/28/81
- “Who Invented What” AWB 2/10/80
- Trexler Atanasoff Letters 1941-42
- Letter from Research Corporation to Atanasoff regarding funding 1941
- Attanasoff patent letters 1937
- Atanasoff to AWB, Nikolay Turkedjiev to Atanasoff about the Marconi Award 1985,
- “Mathematical Instruments and Computers: Microelectronics” Deutsches Museum
- Letter from lawyer about PBS’s omission of ABC
- Letters concerning the Holley Medal to Atanasoff
- *The Iowa Stater* January 1984 article: “Once Again: The Computer Was Born Here!”
- Bob Shaw plaintiff exhibit

- Affidavit of AWB (Honeywell vs. Sperry Rand)
- Exhibits of Affidavit of AWB (Honeywell vs. Sperry Rand)
- Brief for AWB as Amicus Curiae on the Joint Inventor Issue (Honeywell vs. Sperry Rand)
- Affidavit of AWB (Sperry Rand vs. Bell)
- Affidavit of Homer W. Spence (Sperry Rand vs. Bell)
- Memo to Charles Peck and Michael O'Malley from AWB regarding "Two Accumulator ENIAC dynamic display" 1968
- AWB to R.W. Doran (New Zealand)
- Lecture poster "Pioneers in Computing: Alice and Arthur Burks"
- AWB correspondence with Dr. Peter Eckstein 2000
- Letter to Dr. Michael R. Williams (Annals) from AWB
- Letter to AWB from Chief Deputy Clerk Minnesota District Court about viewing the Honeywell vs. Sperry Rand Clerk's file
- "References for Works on the Invention of the Electronic Computer (Annotated) AWB August 2003
- Vita of AWB
- *The Research News* magazine of University of Michigan May-June 1986 article: "Computing Pioneer Arthur Burks"
- "The First Programmable Automata" AWB 2/7/2002
- Notes AWB Computer Revolution
- Demonstration of ENIAC February 1, 1946 post-press conference press release
- Copy of newspaper clipping "Making the First Computer Come to Life Again" *The Des Moines Register* August 4, 1997
- Three emails between AWB and George O. Strawn about the ABC reconstruction 1994
- NSF letter to AWB about ABC reconstruction
- Definition of Turing machine 10/1991
- Turing notes AWB
- Correspondence between AWB and Hao Wang
- Memo on Peirce and Hilbert AWB 11/23/76
- Lecture at "the Institute" "Kurt Godel's Intellectual Development" by Hao Wang March 3, 1978
- Prospectus for a Paperback "Self-Reproducing Machines" edited by AWB
- "The Twenty-First Century" by Freeman J. Dyson delivered at Princeton February 26, 1970
- "Principal Reports and Publications of the Logic of Computers Group" Dept of Computer and Communication Studies (University of Michigan) 1986
- "A Note on Peirce's Pragmatism and Metaphysical Evolutionism" AWB 6/17/95
- Reappointment letter to the Peirce Edition Project at IUPUI 1990
- Comments on Harry Polachek's article on MTAC (later MOC) AWB August 17, 1994
- AWB to Charles Call about AI 1987
- Letter to AWB from Eileen Moore
- Progress report of the Cambridge Dictionary of Philosophy 1994
- Letter from principal of a middle school in Florida requesting autograph 1995

- Letter to Alice and Art about Atanasoff book translation into Japanese 1995
- Letter to Irv from AWB about deaths of Bill Frnakena and Max Fisch 1995
- Letter to Paul Shullenberger from AWB regarding John Holland 1991
- Post publication memo from The Cambridge Dictionary of Philosophy 1997
- Email from Toby Teorey (Michigan Quarterly Review) regarding article 1997
- Letter from Michigan public schools for interview questions
- PhD graduates and dissertation abstracts, department of computer and communication science, University of Michigan up to 1978
- “Bibliography of Literature on Calculating Machines” by Irven Travis Moore School 1938
- Mauchly memo (1942) and Brainerd Note
- von Neumann to Goldstine (prior to 6/30/45 version of EDVAC paper)
- “A Static Magnetic System for the ENIAC” by Auerbach of Burroughs
- “Description and Use of the ENIAC Converter Code” Technical Note No. 141 from Ballistic Research Laboratories November 1949
- “Description of the ENIAC Converter Code” by W. Barkley Fritz from Ballistic Research Laboratories December 1951
- Letters between Allen Kirkpatrick and Dr. Caldwell 1992 regarding omission of Atanasoff from the PBS series, “The Machine that Changed the World”
- “A Logical Coding System Applied to the ENIAC” Report No. 673 from Ballistic Research Laboratories September 29, 1948
- Complete Transcript of the ACM meeting 8/30/1967 bound in hardback with “Pertinent Excerpt (Auerbach and Mauchly)
- April 1943 ENIAC Proposal
- Computer History 1979-1980
- Computer History 1981
- Computer History 1985 –
- Patent-related documents and letters of Classifier Learning Systems 1994-95
- Computer History 1977-78
- Computer History 1978
- Michael Kanellos CNET News February 2006
- Website printout: Q&A: A lost interview with ENIAC co-inventor J. Presper Eckert – Computerworld February 2006
- NSF Final Project Report for “Knowledge and Database Systems Program” from 4/93 – 3/97
- Letter to the Burkses from Akihiko Yamada regarding video game exhibition at the National Science Museum Tokyo, 2005
- NSF Project Summary of “Studying Complex Adaptive Systems with Genetic Algorithms and Classifier Systems that Generate and Exploit Internal Models” prepared by John H. Holland, Rick L. Riolo and Arthur Burks
- Holland 1987 nomination for a Distinguished Service Award
- Shreyer’s patent on an electronic computer (Germany) December 1955
- Memo on Harvard and Bell Relay Computers
- Halladay 1969 correspondence



- Notes on my ENIAC notebooks
- Photocopy of Obit of Mrs. Charles S. Peirce *Science* Vol. 80, No. 2081 Nov. 16, 1934
- “ENIAC and Before” by Bernard O. Williams February 11, 1986
- IBM antecedents of ENIAC
- ENIAC Claims

#### Misc – Box #5

- ABC replica photos by Richard Borst
- Folder of photos: JVA house in Ames, ABC photos, pictures of JVA, Sharpless, Mauchly, Eckert, Clark Mollenhoff, von Neumann, Judge Earl Larson, Burks, 2 copies of *The History of Computing: A Biographical Portrait of the Visionaries Who Shaped the Destiny of the Computer Industry* by Marguerite Zientara
- Tear sheet: “Select Collections and Record Groups Relating to Computing at the University of Michigan’s Bentley Historical Library” AWB 4.5 Linear Feet, 1930-1986
- Essay: “Minimal Complete Relay Decoding Networks by Edward F. Moore (Bell Telephone)
- Article Reprint: “Complete Decoding Nets: General Theory and Minimality” by Burks, McNaughton, Pollmar, Warren, and Wright in *J. Soc. Indust. Appl. Math.* Vol. 2, No. 4 December 1954
- Article Reprint: “The Logic of Automata – Part 1” by Burks and Wang in *Journal of the Association for Computing Machinery* Vol. 4, No. 2 April 1957
- Essay: “The Logic of Fixed and Growing Automata” by AWB August 1957
- Essay: “The Logic of Fixed and Growing Automata” by AWB February 1958
- Special Issue of *ComputerWorld* November 3, 1986 includes historical profiles of Babbage, Boole, Hollerith, Atanasoff, Mauchly and Eckert, von Neumann, Watson
- Memo to Dean Wilson (University of Michigan – Willow Run Laboratories) from AWB and Jesse B. Wright “On the Validation of the Willow Run Laboratory Model of a Real War System” March 21, 1960
- University of Michigan Presentation of Faculty Award 1987 Pamphlet
- 2 pp. essay: “A Computer System with Market Economy Learning and Genetic Discovery” by AWB
- Memo to Ms. Carol Hollenshead and Mr. John Chamberlin from Michael D. Cohen regarding proposal to the Presidential Initiatives Fund “Parallel Adaptive Systems in the Social and Biological Sciences” January 29, 1987
- Tanner Philosophy Library newsletter regarding donation of Burks
- Translation of AWB’s “Teleology, Intentionality, and Consciousness” 1987
- Letter to AWB about publishing an essay
- IEEE Computer Society Computer Pioneer Award copy of pamphlet
- Essay: “The Enriched Hyperplane Problem” by John Holland
- Pamphlet: “Testimonial Dinner in honor of John Vincent Atanasoff and Dedication of John Vincent Atanasoff Hall” Iowa State University May 7, 1988
- Member certificate for AWB as member of The Emeritus Club of the Alumni Association of The University of Michigan
- Graduate Study pamphlet from the University of Michigan

- AWB Lecture posters at University of Texas at Austin “Automation and Social Control” and “A Computer System for Learning and Discovery”
- Handwritten note between AWB and Bill about attached newspaper clipping: “Liberator, Up to a Point” Book review of *Bloomsbury’s Prophet: G.E. Moore and the Development of His Moral Philosophy*.
- Tear sheets from the Michigan Society of Fellows (University of Michigan)
- Publicity mailing for the Annals
- Newspaper clipping: *The University Record* (University of Michigan) April 27, 1987 regarding Presidential Initiatives projects
- “Computer Technology for Today and Tomorrow” Pamphlet for the Annual North American Conference July 26-29, 1987
- AWB essay, no title
- Publicity for Carolyn Eisele’s book, *Historical Perspectives on Peirce’s Logic of Science: A History of Science*.
- Invitation to the ENIAC Commemoration October 16, 1986 Philadelphia
- Poster for CONPAR 86 Conference on Algorithms and Hardware for Parallel Processing, Germany September 17-19, 1986 (AWB, honorary chairman)
- Testimonial dinner in honor of AWB, Dept of Philosophy University of Michigan
- Tear sheet: Letter, Peirce to Abraham B. Conger January 1873
- List of names, addresses and phone numbers under heading “Pioneers 1985”
- “A Proposal for Interdisciplinary Collaboration Between Scientists in China and The University of Michigan” by AWB and Gary Olson 1985
- Photocopy from Annals Vol. 7, No. 3 July 1985 (National Science Medal to Goldstine)
- Philosophy 436 Post-Vacation Assignments 1984 – class notes/syllabi
- Ceremony of the Vajra Crown: His Holiness the Gyalwa Karmapa
- “Memo on the Moore School meetings of von Neumann, Eckert, Mauchly, Goldstine, and Burks March 14 and 23, 1945” ca. 1979
- AWB Rackham lecture “Who Invented the First General Purpose Electronic Computer” on Audiocassette
- A Collection of Letters (mostly regarding publication and presentations)
- Burroughs Talks – Lecture Notes
- Burks and Burroughs
- Burroughs Reports

### **Trial Presentations – 1 box**

- 10 pp. list of names and dates of Trial Testimony for Honeywell vs. Sperry Rand Case (2 identical copies)
- “Plaintiff’s Final Brief on the Merits” (Honeywell vs. Sperry Rand Case) 510 pp.
- Sperry Rand Court Presentations (Honeywell vs. Sperry Rand Case) 352 pp.
- Affidavit of Arthur W. Burks (Sperry Rand/John Eckert/John Mauchly vs. Bell Telephone Case) 5 pp.
- “Automatic High-Speed Computing: A Progress Report on the EDVAC” written by J. Prosper Eckert, Jr. and John W. Mauchly, 111 pp. attached to affidavit (see above)
- Judge Earl R. Larson’s Decision (Honeywell vs. Sperry Rand Case) 100 pp.
- 19 pp. “Plaintiff’s Discovery Memorandum” (Honeywell vs. Sperry Rand)

- 10 pp. “Complaint” (Honeywell vs. Sperry Rand)
- 24 pp. “Amended Complaint” (Honeywell vs. Sperry Rand)
- 25 pp. “Plaintiff’s Response Rule 34 Memorandum” (Honeywell vs. Sperry Rand)

### **Trial Testimony – 1 box**

- Profert, Affidavit and Exhibits by AWB
- Brief for AWB as Amicus Curiae on the Joint Inventor Issue
- Atanasoff Court Testimony Vol. 11 6/15/1971
- Atanasoff Court Testimony Vol. 12 6/16/1971
- Atanasoff Court Testimony Vol. 13 6/17/1971
- Atanasoff Court Testimony Vol. 14 6/18/1971
- Atanasoff Court Testimony Vol. 15 6/21/1971
- Atanasoff Court Testimony Vol. 16 6/22/1971
- Atanasoff Court Testimony Vol. 17 6/23/1971
- Atanasoff Court Testimony Vol. 18 6/24/1971
- Atanasoff Court Testimony Vol. 19 6/25/1971
- ENIAC Trial Testimony Goldstine Vol. 31
- ENIAC Trial Testimony Goldstine Vol. 32
- ENIAC Trial Testimony Goldstine Vol. 33
- ENIAC Trial Testimony Goldstine Vol. 34
- ENIAC Trial Goldstine Deposition Day 1 Oct. 29, 1969
- ENIAC Trial Goldstine Deposition Day 2 Oct. 30, 1969
- ENIAC Trial Goldstine Deposition Day 3 Oct. 31, 1969
- Index of Trial Proceedings, Honeywell vs. Sperry Rand

### **Von Neumann Atanasoff ENIAC – 1 box**

- “Atanasoff Obituaries d. 6/15/1995” (Cleveland Plain Dealer, NYT, AA News, Des Moines Register, Washington Post, Boston Globe, Phil. Inquirer, Atlanta Journal/Constitution, Iowa State Daily, Grand Rapids Press)
- “ABC Replica Papers”
- “JVA Honors”
- “National Medal of Technology”
- “Eckert Obituaries d. 6/3/1995”
- “ENIAC Patent”
- “The ENIAC – Burks, Sharpless and Shaw”
- “ENIAC 50<sup>th</sup> Anniversary clippings”
- “PBS/BBC Series”
- “Von Neumann Bonhoeffer”
- “Articles in regard to von Neumann”
- “Planning and Coding of Problems for an Electronic Computing Instrument” by Herman H. Goldstine and John von Neumann 1947
- “Planning and Coding of Problems for an Electronic Computing Instrument” Part II, Volume II by Herman H. Goldstine and John von Neumann 1948

- “Planning and Coding of Problems for an Electronic Computing Instrument” Part II, Volume III by Herman H. Goldstine and John von Neumann 1948
- “The History of the Johnniac” by F. J. Gruenberger October 1968
- “Burks file on von Neumann”
- “A. H. Taub’s Notes on June 1948 Institute Lectures”
- “von Neumann Articles”
- “von Neumann EDVAC report”
- “von Neumann Illinois Lectures”
- “The Scientific Files of John von Neumann: Report on Contract Nonr 1358(06)” November 1959
- “The Theory of Automata: Construction, Reproduction, Homogeneity” by J. von Neumann Parts I and II
- “AWB Report on von Neumann from Illinois” 1961
- “AWB von Neumann Manuscript Chapters 1 and 2”
- “AWB von Neumann Manuscript Chapter 3”

Drawings/Photos – 1 box

#### **Miscellaneous Folder Box (2 boxes) [January 2009 Accession]**

- “Reviews: 1988 Atanasoff Book (Plus some Mollenhoff’s book)”
- “Papers, Mainly letter in re 1988 Atanasoff book”
- “Miscellany – Atanasoff and our book”
- “A set of Alice’s reflections on Atanasoff, relevant to our 1988 book on A”
- “Articles in re Smithsonian Information Age Exhibit”
- “Letters in re Smithsonian Information Age Exhibit”
- “Alice’s 1996 Notes in re Smithsonian’s Information Age Exhibit”
- “Articles in re Smithsonian’s Enola Gay Exhibit”
- “Misc E-mails”
- “Bernard de Neumann”
- “Ross Perot Museum”
- “Book Translation”
- “Cobblestone (The History Magazine for Young People)”
- “Robert K. Schmidt Film Project”
- “DePauw U. Filming EN. Display”
- “Writeups for ENIAC display”
- “ENIAC display – U/M”
- “Note on ENIAC (Alice Burks)”
- “Notes Re Annals Article Alice’s Summary”
- “Comments on 1<sup>st</sup> draft of ENIAC paper and our responses (Alice’s copies)”
- “In re publication by Prometheus Books”
- “Reviews – Who Invented the Computer?”
- “Critics (2003 book) (Friends)”
- “Vitae”

- “Awards”
- “Bosei Article (Japan)”
- “Miscellaneous Notes”
- “Photo Search”
- “Legal Matters in re libel, copyright”
- “Miscellany (2003 book plus)”
- “Article: AWB and ARB”
- “Judge Earl Larson Correspondence”
- “Douglas Hofstadler”
- “Alice Burks 1991 Notes on Articles 5/80-11/90”
- “Summaries – Articles 1982-1987”