

The Personal Papers of Colonel John R. Boyd (USAF)

Part II

Scope and Content Note

The Marine Corps University, Quantico, Virginia, holds the personal papers and archives of the late Air Force Colonel John R. Boyd. In the archive, Colonel Boyd's papers are divided into fourteen records series. The first series is composed of books, which he heavily annotated. The degree of importance Boyd placed on the information is witnessed by how heavily he marked the pages. Pages heavily underlined with stars across the top and bottom were of the greatest interest. Sometimes he wrote comments in the margins. He often bought two copies of the same title and edition at a time. One copy was the clean reference copy, the other the working copy with his annotations. In several instances, Boyd collected different editions and/or translations of works by authors whom he admired. For example, he had various editions of Sun Tzu's military classic: *The Art of War*. From time to time he would start to read a book in a book store, buy it, then once he got it home would not look at it again. Other books were given to him as gifts. The books are arranged by subject, there under by author.

The arrangement of the books is purely arbitrary, since some books could fall under more than subject. For example, a book on World War II German military tactics could be filed under either *military strategy* or *military history*. An annotated book is indicated by a bullet in front of the author's name. The number of copies of each book is also indicated. The second series is excerpts or photocopies of books, arranged alphabetically by author. The third series is Magazines This is arranged chronologically by magazine. The fourth is Articles, arranged alphabetically. The fifth is Miscellaneous Newspaper Clippings. The sixth series is Briefings, and is subdivided into two parts. The first sub-series is John Boyd's own briefings, arranged by briefing, there under chronologically by version. The second sub-series is briefings done by others, arranged alphabetically. Next is the Reports and Concept Papers series. This is arranged alphabetically.

Notes and Notebook series is composed of John Boyd's handwritten notes and drafts. Items that were together in an envelop were kept together. He frequently abbreviated terms. T-T-D scrawled across the top of a page means "things to do". "POC" is "Patterns of Conflict". The Course Syllabi and Seminars series, number nine, reflects John Boyd's work developing course curricula in professional military education. The Technical Material series, number ten, reflects his studies of business management. The eleventh series is Correspondence and Memoranda, arranged chronologically. The twelfth series, Yearbooks and Daily Diaries, is arranged chronologically. The General series, number thirteen, is composed of miscellaneous documents. The Photographs and Audiovisual series, number fourteen, consists of still photographs of Colonel Boyd and his family, and one of his briefings.

Series Description

Part I:

Books:

- Biography/History/Military History
- Biography

- General History
- Ancient Greece and Rome
- American Civil War/United States
- European: Napoleon Bonaparte
- European: Germany
- World War I
- World II
- Korea
- Vietnam
- Other Conflicts
- Special Operations
- Military Reform
- Military Strategy

Part II:

- [Political Theory/Philosophy/Math and Science](#)
- [Cold War and Espionage](#)
- [Equipment and Military Hardware](#)
- [Business Management](#)
- [General](#)

Excerpts from books:

- photo-copies of published material, mostly individual chapters of books 1.3 cubic feet

[Magazines:](#)

- 3 cubic feet

[Miscellaneous Newspaper Clippings](#)

[Articles:](#)

- reprints, magazine and journal articles, some annotated, memoranda, etc. 0.67 cubic feet

Briefings:

- [John Boyd's](#)-- 1976-1 996
- abstracts, diagrams, transparencies and source list (John Boyd's required reading list) of briefings prepared by Boyd, critiques of Boyd's briefings, etc.
- 2 cubic feet

By Others

- abstracts, correspondence, memoranda, magazine and newspaper clippings, book reviews, thought pieces, manuscripts, etc.
- 1 cubic foot

Reports and Concept Papers:

- reports, correspondence, memoranda, papers, reprints, diagrams, etc.
- 0.8 cubic feet

Notes and Notebooks:

- handwritten drafts, typed manuscripts, correspondence, memoranda, magazine articles, mathematical equations, etc.
- 0.67 cubic feet

Course Syllabi and Seminars:

- correspondence, abstracts, magazine articles, concept papers, syllabi, pamphlets, etc. 0.5 cubic feet

Technical Material:

- factory management abstracts
- 0.165 cubic feet

Correspondence and Memoranda — 1970-1995:

- correspondence, notes, etc.
- 0.165 cubic feet

Yearbooks and Desk Diaries -- 1943-1986:

- high school and Air Force yearbooks, desk diaries

General:

Memoranda, abstracts, magazine and newspaper articles, federal legislation,

Congressional testimony, flight records, published material, short story, membership certificate, engineering drawings for air craft, transcript of oral history interviews, handwritten notes, favorite quotes, resume, manuscript, travel itinerary, agendas, etc.,
0.67 cubic feet

Artifacts:

- clothing, plaques, citations, awards, type writer ball

Photographs and video tapes:

- still photographs and video tape recordings
 - 0.5 cubic feet
-

Political Theory/Philosophy/New Age/Math and Science:

Robert J. Ackermann; *Modern Deductive Logic: An Introduction to its Techniques and Significance*, Anchor Books, New York, 1970

Paul Alexandroff; *Topology*, translated by Alan E. Farley, Dover

A.D. Aleksandrov, et.al.; *Mathematics: Its Content, Methods, and Meaning*, vol. 1-3, MIT Press, 1969

U.S. Andersen; *Success-Cybernetics: Practical Applications of Human-Cybernetics*, Wiltshire Book Co., North Hollywood, CA 1970

P.W. Atkins; *The Second Law*, Scientific American Library, New York, 1984 annotated

Robert Axelrod; *The Evolution of Cooperation*, Basic Books, New York, 1984 annotated, page notations inside back cover

David Barash; *The Whisperings Within: Evolution and the Origin of Human Nature*, Penguin, 1979

Lincoln Barnett; *The Universe and Dr. Einstein*, revised edition, Bantam Books, New York, 1973 annotated

John D. Barrow; *Pi in the Sky: Counting, Thinking and Being*, Clarendon Press, Oxford 1992 annotated with page notations inside back cover

John D. Barrow and Joseph Silk; *The Left Hand of Creation: The Origin and Evolution of the Expanding Universe*, Basic Books, New York, 1983

John D. Barrow; *Theories of Everything: The Quest for Ultimate Explanation*, Fawcett Columbine, New York, 1991 annotated with page notations inside back cover

Gregory Bateson; *Mind and Nature: A Necessary Unity*, E. P. Dutton, New York, 1979 annotated with loose sheet of notes

Gregory Bateson; *Mind and Nature: A Necessary Unity*, Bantam, 1980 2 copies, one annotated

Ernest Becker; *The Structure of Evil: An Essay on the Unification of the Science of Man*, The Free Press, New York, 1976 annotated with page notations inside back cover and loose sheet of notes

Richard E. Bellman and Stuart E. Dreyfus; *Applied Dynamic Programming*, Princeton University Press, 1962

Henri Bergson; *The Creative Mind*, Littlefield, Adams, Totowa, NJ, 1975

Arthur I. Berman; *Astronautics: Fundamentals of Dynamical Astronomy and Space Flight*, John Wiley & Sons, New York, 1961

W.I.B. Beveridge; *The Art of Scientific Investigation*, Vintage Book, New York, annotated

Colin Blakemore; *Mechanics of the Mind*, BBC Reith Lectures 1976, Cambridge University Press, 1977

Thomas R. Blakeslee; *The Right Brain: A New Understanding of the Unconscious Mind and Its Creative Powers*, Playboy Paperbacks, 1983

V.M. Blanco and S.W. McCuskey; *Basic Physics of the Solar System*, Addison-Wesley, Reading, MA, 1961

David Bohm and F. David Peat; *Science, Order, and Creativity*, Bantam Books, New York, 1987 annotated, page notations on separate sheet of paper

Allan Bloom; *The Closing of the American Mind*, Simon & Schuster, New York, 1987 annotated with page notations inside back cover

Edward de Bono; *Lateral Thinking: Creativity Step by Step*, Harper Colophon Books, New York, 1973 annotated

Edward de Bono; *New Think: the Use of Lateral Thinking in the Generation of New Ideas*, Avon, New York, 1971 annotated

George Boole; *An Investigation of the Laws of Thought: the Mathematical Theories of Logic and Probabilities*, Dover Publications, Inc.

John Boslough; *Masters of Time: Cosmology at the End of Innocence*, Addison-Wesley, Reading, MA, 1992 handwritten dedication to John Boyd from the author

Louis Brand; *Vector Analysis*, John Wiley & Sons, Inc., London, 1957 annotated

John Briggs and F. David Peat; *Turbulent Mirror: An Illustrated Guide to Chaos Theory and the Science of Wholeness*, Harper & Row, New York, 1989 annotated, page notation inside back cover

John Briggs and F. David Peat; *Looking Glass Universe: The Emerging Science of Wholeness*, Simon & Schuster, Inc., New York, 1984 2 copies, one annotated with loose sheet of notes and page notations inside back cover Claude M. Bristol; *The Magic of Believing*, Cornerstone Library, New York, 1972

William Broad and Nicholas Wade; *Betrayers of the Truth: Fraud and Deceit in the Halls of Science*, Simon and Schuster, New York, 1982 annotated

Jacob Bronowski; *The Identity of Man*, The American Museum of Natural History, Natural History Press, New York, 1971 2 copies, one annotated with page notations inside back cover

J. Bronowski; *The Origins of Knowledge and Imagination*, Yale University Press, 1978 annotated with page notations inside back cover

J. Bronowski; *A Sense of The Future: Essays in Natural Philosophy*, The MIT Press, 1977 annotated with page notations inside back cover

J. Bronowski; *The Ascent of Man*, Little, Brown & Co., Boston, 1973 annotated

J. Bronowski; *The Origins of Knowledge and Imagination*, Silliman Memorial Lectures, Yale University Press, 1979 annotated, page notations inside back cover

Barbara Brown; *Supermind: The Ultimate Energy*, Harper & Row, New York, 1980

G. Spencer Brown; *Law of Form*, The Julian Press, Inc., New York, 1972 annotated with loose sheets of handwritten notes of mathematical equations

Zbigniew Brzezinski; *Game Plan: How to Conduct the U.S.--Soviet Contest*, The Atlantic Monthly Press, New York, 1986 annotated, page notations and notes on separate sheet of paper
Emile Burns, editor; *The Marxist Reader*, Avenel Books, New York, 1982

Nigel Calder; *The Key to the Universe: A Report on the New Physics*, Penguin Books, New York, 1978

Fritjof Capra; *The Tao of Physics: An Exploration of the Parallels Between Modern Physics and Eastern Mysticism*, Bantam Books, New York, 1977 2 copies, one annotated with notes and page notations inside front and back cover

Fritjof Capra; *The Turning Point: Science, Society, and the Rising Culture*, Simon and Schuster, New York, 1982 annotated

Giorgio Careri; *Order and Disorder in Matter*, translated from the Italian by Kristin Jarratt, the Benjamin/Cummings Co., Menlo Park, CA 1984 annotated

Hendrik B.G. Casimir; *Haphazard Reality: Half a Century of Science*, Harper & Row, New York, 1983 annotated

John L. Casti; *Paradigms Lost: Images of Man in the Mirror of Science*, William Morrow and Co., New York, 1989 annotated

John L. Casti; *Searching for Certainty: What Scientists Can Know About the Future*, William Morrow and Co., New York, 1990 annotated

John L. Casti; *Complexification: Explaining a Paradoxical World Through the Science of Surprise*, Harper Collins, New York, 1994 annotated

Eric Chaisson; *Cosmic Dawn: The Origins of Matter and Life*, Berkley Books, New York, 1984

G.J. Chaitin; *Information Randomness & Incompleteness: Papers on Algorithmic Information Theory*, 2nd edition, World Scientific, series in computer science - vol. 8, 1990 annotated

Pierre Teilhard de Chardin; *The Phenomenon of Man*, Harper Torchbooks, New York, 1965

Barbara Lovett Cline; *Men Who Made a New Physics: Physicists and Quantum Theory*, University of Chicago Press, 1987 annotated

Earl A. Coddington; *An Introduction to Ordinary Differential Equations*, Prentice-Hall, Inc., Englewood Cliffs, N.J., 1961

Giles Cohen-Tannoudji; *Universal Constants in Physics*, originally published as *Les Constantes universelles*, translated by Patricia Thicksteen, McGraw-Hill, New York, 1993 annotated

K.C. Cole; *Sympathetic Vibrations: Reflections on Physics as a Way of Life*, Bantam Books, New York, 1985 2 copies, one annotated with page notations inside back cover

Saxe Commins and Robert N. Linscott, ed.; *Man and Spirit: The Speculative Philosophers, Man and the State: The Political Philosophers, Man and the Universe: The Philosophers of Science, and Man and Man: The Social Philosophers*, Random House, New York

James Bryant Conant; *Two Modes of Thought: My Encounters with Science and Education*, Simon and Schuster, New York, 1970 annotated

Irving M. Copi; *Symbolic Logic*, Macmillan, New York, 1961

Peter Coveney and Roger Highfield; *The Arrow of Time: A Voyage Through Science to Solve Time's Greatest Mystery*, Fawcett Columbine, New York, 1990 annotated, page notations inside back cover

Peter Coveney and Roger Highfield; *Frontiers of Complexity: The Search for Order in a Chaotic World*, Fawcett Colombine, New York, 1995 annotated

David Cox; *Modern Psychology: The Teachings of Carl Gustav Jung* Barnes & Noble, New York, 1968

Robert P. Crease and Charles C. Mann; *The Second Creation: Makers of the Revolution in Twentieth-Century Physics*, Macmillan, New York, 1986 annotated

Francis Crick; *The Astonishing Hypothesis: The Scientific Search for the Soul*, Charles Scribner's Sons, New York, 1994 annotated

Edwin L. Crow, et.al.; *Statistics Manual*, Research Department U.S. Naval Ordnance Test Station, Dover, New York, 1960

Haskell B. Curry; *Foundations of Mathematical Logic*, Dover, New York, 1977

Ann Cutler and Rudolph McShane; *The Trachtenberg Speed System of Basic Mathematics*, Doubleday & Co., New York, 1960

A. d'Abro; *The Rise of the New Physics*, vol. 1 & 2, Dover, New York both volumes annotated. page notations inside back covers

Charles Darwin; *The Origin of Species*, Penguin Books

Paul Davies; *The Runaway Universe*, Harper & Row, New York, 1978

Paul Davies; *The Runaway Universe*, Penguin Books, 1980

Paul Davies; *The Cosmic Blueprint: New Discoveries in Nature's Creative Ability to Order the Universe*, Simon and Schuster, New York, 1986 annotated, page notations inside back cover

Paul Davies; *The Edge of Infinity*, Simon and Schuster, New York, 1981

Richard Dawkins; *The Selfish Gene*, Oxford University Press, 1976 2 copies, one annotated with loose pages of notes

Richard Dawkins; *The Selfish Gene*, new edition, Oxford University Press, 1989

Richard Dawkins; *The Extended Phenotype: The Long Reach of the Gene*, Oxford University Press, 1982 annotated

Richard Dawkins; *The Blind Watchmaker: Why the Evidence of Evolution Reveals a Universe Without Design*, W.W. Norton, New York, 1986 annotated, page notations inside back cover

José M.R. Delgado; *Physical Control of the Mind: Toward a Psychocivilized Society*, Harper Torchbooks, New York, 1971

Ernest Dimmet; *The Art of Thinking*, Fawcett Premier, Greenwich, CT

Milovan Djilas; *The New Class: An Analysis of the Communist System*, Frederick A. Praeger, New York, 1962 annotated

Daniel O. Dommasch, et.al.; *Airplane Aerodynamics*, 3rd edition, Pittman Publishing Corp., New York, 1961 annotated

James E. Dougherty and Robert L. Pfaltagraff, Jr.; *Contending Theories of International Relations: A Comprehensive Survey*, 2nd edition, Harper & Row, New York, 1981 annotated

Rush W. Dozier, Jr.; *Codes of Evolution: The Synaptic Language Revealing the Secrets Matter, Life, and Thought*, Crown Publishers, New York, 1992 annotated with notes inside back cover

K. Eric Drexler; *Engines of Creation: The Coming Era of Nanotechnology*, Anchor Books, New York, 1987 annotated

Freeman Dyson; *Disturbing the Universe*, Harper & Row, New York, 1979 annotated with page notations inside back cover

Jacques Ehrmann, ed.; *Structuralism*, Anchor Books, Doubleday, New York, 1970

Irenäus Eibel-Eibesfeldt; *The Biology of Peace and War: Men, Animals and Aggression*, translated from the German by Eric Mosbacher, The Viking Press, New York, 1979

Allbert Einstein; *Ideas and Opinions*, based on *Mein Weltbild*, new translation by Sonja Bargmann, Dell, 1973

Loren Eiseley; *The Man Who Saw Through Time*, revised and enlarged edition of *Francis Bacon and the Modern Dilemma*, Charles Scribner's Sons, New York, 1973

Ivar Ekeland; *Mathematics and the Unexpected*, University of Chicago Press, 1988 2 copies, one annotated with page notations inside back cover

F.E. Emery, ed.; *Systems Thinking*, Penguin, 1976 2 copies

E.R. Emmet; *Handbook of Logic: The Use of Reason*, Littlefield, Adams & Co., Totowa, NJ, 1967

Frederick Engels; *Dialectics of Nature*, translated and edited by J.B.S. Haldane, International Publishers, New York, 1979

Christopher Evans; *The Micro Millennium*, Washington Square Press, New York, 1981

P.S. Farago; *Free-Electron Physics*, Penguin Books, 1970

N. Feather; *Matter and Motion*, Penguin Books, 1970

Marilyn Ferguson; *The Brain Revolution: The Frontiers of Mind Research*, Bantam Books, New York, 1975

Marilyn Ferguson; *The Aquarian Conspiracy: Personal and Social Transformation in the 1980's*, Houghton Mifflin, Boston, 1980

Marilyn Ferguson; *The Aquarian Conspiracy: Personal and Social Transformation in the 1980's*, distributed by St Martin's Press, New York, 1980 annotated, page notations inside front cover

Richard P. Feynman; *QED; The Strange Theory of Light and Matter*, Princeton University Press, 1985 annotated

David Foster; *The Intelligent Universe*, G. P. Putnam's Sons, New York, 1975 annotated, page notations inside back cover

Robert Freedman, ed.; *Marx on Economics*, Harvest Book, New York annotated

Erich Fromm; *The Crisis of Psycho-analysis*, Fawcett Premier, Greenwich, CT, 1970 annotated

R. Buckminster Fuller; Eric A. Walker, & James R. Killian, Jr.; *Approaching the Benign Environment*, Collier Books, New York, 1970

R. Buckminster Fuller; *Utopia or Oblivion: The Prospects for Humanity*, Bantam Books, New York, 1973

John Gall; *Systemantics: How Systems Work and Especially How They Fail*, Quadrangle, New York Times Book Co., 1977

George Gamow; *Thirty Years That Shook Physics: The Story of Quantum Theory*, Anchor Books, New York, 1966 annotated

George Gamow; *Thirty Years That Shook Physics: The Story of Quantum Theory*, Dover, New York

George Gamow; *One Two Three...Infinity: Facts and Speculations of Science*, Bantam Books, New York, 1972

Howard Gardner; *The Quest for Mind: Piaget, Lévi-Strauss, and the Structuralist Movement*, Vintage Books, New York, 1974 annotated

Howard Gardner; *The Mind's New Science: A History of the Cognitive Revolution* Basic Books, New York, 1985 annotated, page notations inside back cover

John W. Gardner; *Morale*, W.W. Norton, New York, 1980 annotated with page notations inside back cover

Martin Gardner; *Relativity for the Million*, Pocket Books, New York, 1965

Saul I. Gass, *Linear Programming: Methods and Applications*, McGraw-Hill Book, Co., New York, 1958 annotated

Murray Gell-Mann; *The Quark and the Jaguar: Adventures in the Simple and the Complex*, W.H. Freeman and Co., New York, 1994 annotated, page notations inside back cover

W. Gellert, et.al., editors; *The VNR Concise Encyclopedia of Mathematics*, Van Nostrand Reinhold Co., New York, 1977

F.H. George; *Cybernetics*, St. Paul's House, London, 1971 annotated

Robert Geroch; *General Relativity from A to B*, University of Chicago Press, 1978

James Gleick; *Chaos: Making a New Science*, Viking, New York, 1987 annotated with page notations opposite title page

Brewster Ghiselin; *The Creative Process: A Symposium*, Mentor Book, New York

Kurt Gödel Collected Works, vol. I 1929-1936, vol. II 1938-1974, edited by Solomon Feferman, et.al., Oxford University Press, 1986 personal handwritten dedication to John Boyd from Grant Hammond

Daniel Goleman; *Vital Lies, Simple Truths: The Psychology of Self-Deception*, Simon and Shuster, New York, 1985 annotated with page notations inside back cover

Brian Goodwin; *How the Leopard Changed Its Spots: The Evolution of Complexity*, Charles Scribner's Sons, New York, 1994 annotated [Colonel Boyd's favorite book]

Stephen Jay Gould; *Ever Since Darwin: Reflections in Natural History*, W.W. Norton, New York, 1977

Baltasar Gracian; *The Art of Worldly Wisdom*, translated by Christopher Mauer, Doubleday Currency, New York, 1992 annotated

Eugene L. Grant and W. Grant Ireson; *Principles of Engineering Economy*, The Ronald Press Company, New York, 1960

John Gribbin; *Gensis: The Origins of Man and the Universe*, Delacorte Press, New York, 1981

John Gribbin; *In Search of Schrödinger's Cat: Quantum Physics and Reality*, Bantam Books, 1984
2 copies, one annotated

Ray Grigg; *The Tao of Zen*, Charles E. Tuttle, Boston, 1994

Walter F. Hahn and John C. Neff, eds.; *American Strategy for the Nuclear Age*, Anchor Books,
New York, 1960

David Halliday and Robert Resnick; *Physics for Students of Engineering and Science*, part II
second edition, John Wiley & Sons, New York, 1962

Edward T. Hall; *The Silent Language*, Anchor Press, New York, 1973 annotated

Edward T. Hall; *Beyond Culture*, Anchor Books, New York, 1977 annotated with page notations
inside back cover

Nina Hall, ed.; *Exploring Chaos: A Guide to the New Science of Disorder*, W.W. Norton, New
York, 1994

Michael Harrington; *The Twilight of Capitalism*, Touchstone Book, Simon and Schuster, New
York, 1976

William L. Hart; *Calculus*, D.C. Heath and Co., Boston, 1955

Stephen W. Hawking; *A Brief History of the Story of Time: From the Big Bang to Black Holes*,
Bantam Books, New York, 1988 annotated with page notations inside back cover

F.A. Hayek; *The Fatal Conceit: The Errors of Socialism*, edited by W.W. Bartley III, University of
Chicago Press, 1988 annotated

John Heider; *The Tao of Leadership: Leadership Strategies for a New Age*, Bantam Books, New
York, 1986 annotated

Robert L. Heilbroner; *An Inquiry into The Human Prospect*, W.W. Norton, New York, 1974
annotated

Robert L. Heilbroner; *Marxism: For and Against*, W.W. Norton, New York, 1980 2 copies, one
annotated with page notations inside back cover and 2 separate sheets of notes

Werner Heisenberg; *Across the Frontiers*, translated from the German by Peter Heath, Harper &
Row, New York, 1974 annotated with loose page of notes

Werner Heisenberg; *Physics and Philosophy: The Revolution in Modern Science*, Harper
Torchbooks, New York, 1962 annotated

Mark W. Hendrickson; *America's March Toward Communism: Forsaking Our Heritage*,
Libertarian Press, Inc., Spring Mills, PA, 1987

Nick Herbert; *Quantum Reality: Beyond the New Physics*, Anchor Press, New York, 1987
annotated

Mahlon Hoagland; *Discovery: The Search for DNA's Secrets*, Houghton Mifflin, Boston, 1981

Eric Hoffer; *The True Believer: Thoughts on the Nature of Mass Movements*, Perennial Library Harper & Row, New York, 1951 annotated

Douglas R. Hofstadter; *Gödel, Escher, Bach: An Eternal Braid*, Basic Books, Inc., New York, 1979 annotated, page notations inside back cover

Douglas R. Hofstadter; *Metamagical Themas: Questing for the Essence of Mind and Pattern*, Bantam Books, New York, 1986

Franz E. Hohn; *Elementary Matrix Algebra*, Macmillan, New York, 1962 annotated

Gerlad Holton; *Thematic Origins of Scientific Thought: Keppler to Einstein*, Harvard University Press, 1973

John Horgan; *The End of Science: Facing the Limits of Knowledge in the Twilight of the Scientific Age*, Addison-Wesley, Reading, MA, 1996

Fred Hoyle; *Encounter with the Future*, Simon and Schuster, New York, 1965 annotated

Fred Hoyle; *The New Face of Science*, Meridian, New York, 1971 annotated

Alice Huber and Eileen Woods; *New Mathematics and How to Understand It*, Kenworthy Educational Service, Inc., 1964

Edmund Husserl; *Phenomenology and the Crisis of Philosophy*, translated by Quentin Lauer. Harper Torchbooks, New York, 1965

Joe Hymans; *Zen in the Martial Arts*, Bantam Books, New York, 1982

Robert Jastrow; *The Enchanted Loom: Mind in the Universe*, Simon and Schuster, New York, 1981

Julian Jaynes; *The Origin of Consciousness in the Breakdown of the Bicameral Mind*, Houghton Mifflin, Boston, 1982

Sir James Jeans; *Physics and Philosophy*, Dover, New York, 1981

Richard C. Jeffrey; *Formal Logic Its Scope and Limits*, McGraw-Hill, New York, 1967

George Johnson; *Machinery of the Mind: Inside the New Science of Artificial Intelligence*, Microsoft Press, Redmond WA, 1986 annotated

W.P. Jolly; *Electronics*, St. Paul's House, London, 1975

James B. Jones and George A. Hawkins; *Engineering Thermodynamics*, John Wiley and Sons, New York, 1960 annotated

Roger S. Jones; *Physics As Metaphor*, Meridian, New York, 1982 3 copies, one annotated with page notations and notes inside back cover

Dr. Michio Kaku and Jennifer Trainer; *Beyond Einstein: The Cosmic Quest for the Theory of the Universe*, Bantam, New York, 1987 annotated with page notations inside front cover

E. Kamke; *Theory of Sets*, translated by Frederick Bagemihl, Dover, New York

Immanuel Kant; *Critique of Pure Reason*, translated by Norman Kemp Smith, unabridged, St Martin's Press, New York

Marvin Karlins and Lewis M. Andrews; *Biofeedback: Turning on the Power of Your Mind*, Warner, New York, 1973

Edward Kasner and James Newman; *Mathematics and the Imagination*, Simon & Schuster, 1965 annotated

Arnold Kaufmann; *The Science of Decision-making: An Introduction to Praxeology*, translated by Rex Audley, World University Library, McGraw-Hill, New York, 1968

Stuart A. Kauffman; *The Origins of Order: Self-Organization and Selection in Evolution*, Oxford University Press, 1993 annotated with page notation inside back cover

William J. Kaufmann, III; *Black Holes and Warped Spacetime*, Bantam Books, New York, 1980

Joseph H. Keenan and Frederick G. Keyes; *Thermodynamic Properties of Steam*, John Wiley & Sons, New York, 1961

Stephen H. Kellert; *In the Wake of Chaos: Unpredictable Order in Dynamical Systems*, University of Chicago Press, 1993

Kevin Kelly; *Out of Control: The Rise of Neo-Biological Civilization*, Addison-Wesley, Reading, MA, 1994 annotated with page notations inside back cover

Melvin Klerer & Fred Grossman; *A New Table of Indefinite Integrals Computer Processed*, Dover, New York, 1971

Morris Kline; *Mathematics: The Loss of Certainty*, Oxford University Press, 1982 2 copies, one annotated with 3 pages of notes on yellow legal paper

Arthur Koestler; *The Act of Creation*, Dell, New York, 1975 annotated

Arthur Koestler; *Janus: A Summing Up*, Random House, New York, 1978

Arthur Koestler; *Janus: A Summing Up*, Vintage Books, New York, 1979

Stephan Körner; *The Philosophy of Mathematics: An Introductory Essay*, Dover, New York, 1968

Edna E. Kramer; *The Nature and Growth of Modern Mathematics*, vol. 1 & 2, Fawcett Premier, Greenwich, CT, June 1974 volume 2 is annotated

Thomas S. Kuhn; *The Structure of Scientific Revolutions*, 2nd edition, enlarged the Masterpieces of Science, New American Library, New York, 1986

Thomas S. Kuhn; *The Structure of Scientific Revolutions*, 2nd edition, enlarged University of Chicago Press, 1970

Thomas S. Kuhn; *The Structure of Scientific Revolutions*, 2nd edition, enlarged, vol. 2, no. 2 University of Chicago Press, 1970 annotated with comment on inside back cover

L.D. Landau and G.B. Rumer; *What is Relativity?*, Fawcett Premier, Greenwich, CT, 1968

Susanne K. Langer; *An Introduction to Symbolic Logic*, 3rd revised edition, Dover, New York, 1967

Lao Tzu; *The Way of Life*, translation of *Tao te Ching* edited by R.B. Blakney, Mentor Book, New York, 1955 annotated

David Layzer; *Cosmogenesis: The Growth of Order in the Universe*, Oxford University Press, 1990 page notation inside back cover

C.T. Leondes; *Control and Dynamic Systems: Advances in Theory and Applications*, vol. 10, Academic Press, New York, 1973

V.I. Lenin; *Marx-Engels-Marxism*, Foreign Languages Press, Peking, 1978

George Leonard; *The Silent Pulse*, Bantam Books, New York, 1981 annotated with loose page of notes on yellow legal paper

Claude Lévi-Strauss; *The Savage Mind*, University of Chicago Press, 1966

Steven Levy; *Artificial Life: A Report from the Frontier Where Computers Meet Biology*, Vintage Books, New York, 1992

Roger Lewin; *Complexity: Life at the Edge of Chaos*, Macmillan, New York, 1992 annotated

David Lindley; *The End of Physics: The Myth of a Unified Theory*, Basic Books, New York, 1993

Konrad Lorenz; *Behind the Mirror: A Search for a Natural History of Human Knowledge*, translated by Ronald Taylor, Harcourt Brace Jovanovich, New York 2 copies: hardcover published in 1977, paper back published in 1978 paperback annotated, page notations inside back cover with separate sheet of notes

Michael J. Loux, ed.; *Universals and Particulars: Readings in Ontology*, Anchor Books, New York, 1970

David McLellan; *Marxism After Marx*, Houghton Mifflin, Boston, 1979

Nicolò Machiavelli; *The Prince*, translated by Luigi Ricci, Mentor Book, New York annotated with page notations inside back cover

Nicolò Machiavelli; *The Discourses*, translated by Leslie J. Walker, with revisions by Brian Richardson, Penguin, 1988 annotated

Klaus Mainzer; *Thinking in Complexity: The Complex Dynamics of Matter, Mind, and Mankind*, Springer-Verlag, Berlin, 1994 annotated

Maxwell Maltz; *Creative Living for Today*, Essandess Special Edition, New York, 1967

Maxwell Maltz; *Psycho-Cybernetics: A New Way to Get More Living Out of Life*, Wilshire Book Co., No. Hollywood, CA, 1971 annotated

Benoit B. Mandelbrot; *The Fractal Geometry of Nature*, W.H. Freeman & Co., New York, 1983

Jakob Mandelker; *Matter Energy Mechanics*, Philosophical Library, New York, 1954

Karl Marx; *Das Kapital*, abridged, Gateway, South Bend, Indiana annotated

Karl Marx; *Capital*, vol. 1, translated by Ben Fowkes, Vintage Books, New York, 1977

Karl Marx; *Grundrisse*, translated by Martin Nicolaus, Vintage Books, New York, 1973

Karl Marx and Friedrich Engels; *The Communist Manifesto*, translated by Samuel Moore, Pocket Books, New York, 1964

Karl Marx, Frederick Engels; *Manifesto of the Communist Party*, Foreign Languages Press, Peking, 1975 annotated with page notation back inside cover

Marxism-Leninism: On War and Army, translated by Donald Danemanis, Progress Publishers, Moscow, U.S.S.R, 1972

Robert Masters and Jean Houston; *Mind Games: The Guide to Inner Space*, Delta, 1972

Rollo May; *The Courage to Create*, Bantam Books, New York, 1975 annotated with page notations written on separate sheet and stuck inside book

Ernst Mayr; *Toward a New Philosophy of Biology: Observations of an Evolutionist*, Harvard University Press, 1988

Ernst Mayr; *The Growth of Biological Thought: Diversity, Evolution, and Inheritance*, The Belknap Press of Harvard University Press, 1982 annotated with page notations inside back cover

Arthur Mendel, ed.; *Essential Works of Marxism*, Bantam Books, New York annotated with page notations inside back cover

The Mentor Philosophers; *The Age of Ideology: The 19th Century Philosophers*, edited by Henry D. Aiken, Mentor Books

The Mentor Philosophers; *The Age of Analysis: The 20th Century Philosophers*, edited by Morton White, Mentor Books annotated

Mary Midgley; *Beast and Man: The Roots of Human Nature*, Meridian, New York, 1980

Edward R. C. Miles; *Supersonic Aerodynamics: A Theoretical Introduction*, Dover, New York

Marvin Minsky; *The Society of Mind*, Simon & Schuster, New York, 1986 2 copies, one annotated with page notations inside back cover

Jacques Monod; *Chance & Necessity: An Essay on the Natural Philosophy of Modern Biology*, translated by Austryn Wainhouse, Vintage Books, New York, 1972

M.J. Moroney; *Facts From Figures*, Penguin Books, Baltimore, MD, 1960 annotated

Harold J. Morowitz; *The Thermodynamics of Pizza*, Rutgers University Press, 1992

Richard Morris; *Time's Arrows: Scientific Attitudes Toward Time*, Touchstone Book, New York, 1985 annotated with page notations inside back cover

Ernest Nagel and James R. Newman; *Gödel's Proof*, New York University Press, 1974

John Naisbitt; *Megatrends: Ten New Directions Transforming Our Lives*, Warner Books, New York, 1982 annotated

Thomas P. Neill and James Collins; *Communism: Why it is and How it Works*, Sheed and Ward, New York, 1964 annotated with page notation inside back cover

James R. Newman; *The World of Mathematics*, vol. 1-4, Simon and Schuster, New York, 1956

Roger G. Newton; *What Makes Nature Tick?*, Harvard University Press, 1993 annotated

Friedrich Nietzsche; *Beyond Good and Evil: Prelude to a Philosophy of the Future*, translated by Walter Kaufman, Vintage Books, Random House, New York, 1966

Friedrich Nietzsche; *Thus Spoke Zarathustra*, translated by Walter Kaufmann, Penguin, 1986

Friedrich Nietzsche; *Twilight of the Idols/The Anti-Christ*, translated by R. J. Hollingdale, Penguin, 1988

John M.H. Olmsted; *Real Variables: An Introduction to the Theory of Functions*, Appleton-Century-Crofts, Inc., New York, 1959 annotated

Robert E. Ornstein; *The Psychology of Consciousness*, Jonathan Cape, London, 1975

Robert E. Ornstein; *The Evolution of Consciousness: The Origins of the Way We Think*, Touchstone, Simon & Schuster, 1992 annotated

Robert E. Ornstein; *The Mind Field*, Grossman Viking, New York, 1976 annotated

José Ortega y Gasset; *The Origin of Philosophy*, translated by Toby Talbot, W.W. Norton, New York, 1967

José Ortega y Gasset; *What is Philosophy?* translated by Mildred Adams, W.W. Norton, New York, 1964

Alex F. Osborn; *Applied Imagination: Principles and Procedures of Creative Problem-Solving*, 3rd revised edition, Charles Scribner's Sons, New York, 1965 annotated with page notations inside back cover

Harry and Bonaro Overstreet; *What We Must Know About Communism*, W.W. Norton, New York, 1958

Heinz R. Pagels; *The Dreams of Reason: The Computer and the Rise of the Sciences of Complexity*, Bantam Books, New York, 1988 2 copies, one annotated with page notations inside back cover

Heinz R. Pagels; *Perfect Symmetry: The Search for the Beginning of Time*, Bantam Books, New York, 1986 annotated

Heinz R. Pagels; *The Cosmic Code: Quantum Physics as the Language of Nature*, Simon & Schuster, New York, 1982 annotated with page notations on last page of index

L.C. Pascoe; *New Mathematics*, Teach Yourself Books, Hodder & Stoughton, London, 1975

John Allen Paulos; *Beyond Numeracy: Ruminations of a Numbers Man*, Vintage Books, New York, 1992 annotated

Joseph Chilton Pearce; *The Crack in the Cosmic Egg: Challenging Constructs of Mind and Reality*, Pocket Books, New York, 1974 annotated

Joseph Chilton Pearce; *Exploring the Crack in the Cosmic Egg: Split Minds and Meta-Realities*, Pocket Books, New York, 1975 annotated

Roger Penrose; *The Emperor's New Mind: Concerning Computers, Minds, and The Laws of Physics*, Oxford University Press, 1989 annotated

Editors of *Pensée, Velikovsky Reconsidered*, Doubleday & Co., Garden City, New York, 1976

Rózsa Péter; *Playing with Infinity: Mathematical Explorations and Excursions*, translated by Z. P. Dienes, Dover, New York, 1961

Rózsa Péter; *Playing with Infinity: Mathematics for Everyman*, translated by Z. P. Dienes, Atheneum, New York, 1964 annotated

Jean Piaget; *Structuralism*, translated by Chaninah Maschler, Harper Torchbooks, New York, 1971
2 copies, one annotated

Robert M. Pirsig; *Zen and the Art of Motorcycle Maintenance*, Bantam Books, 1974

Michael Polanyi; *The Tacit Dimension*, Anchor Doubleday, New York, 1967 annotated

Michael Polanyi; *Knowing and Being*, The University of Chicago Press, 1969 annotated with page notations inside back cover

J.C. Polkinghorne; *The Quantum World*, Princeton University Press, 1985 annotated

G. Polya; *How to Solve It: A New Aspect of Mathematical Method*, 2nd edition, Princeton University Press, 1973

G. Polya; *How to Solve It: A New Aspect of Mathematical Method*, 2nd edition, Doubleday Anchor, Garden City, New York, 1957

Karl R. Popper; *The Logic of Scientific Discovery*, Harper Torchbooks, New York, 1968

Karl R. Popper; *Conjectures and Refutations: The Growth of Scientific Knowledge*, Harper Torchbooks, New York, 1965 annotated

Ilya Prigogine and Isabelle Stengers; *Order Out of Chaos*, Bantam Books, 1984 2 copies, one annotated with page notations inside back cover

W. Garfield Quast; *New Math for Parents and Pupils*, Arc Books, New York, 1969

Benjamin Radcliff and Amy Radcliff; *Understanding Zen*, Charles E. Tuttle, Boston, 1993

Gerard Radnitzky and W.W. Bartley, III ed.; *Evolutionary Epistemology, Rationality, and the*

Sociology of Knowledge, Open Court, La Salle, Illinois, 1993 annotated with page notations inside back cover

Alastair I. M. Rae; *Quantum Physics: Illusion or Reality*, Cambridge University Press, 1989 annotated

David M. Raup; *Extinction: Bad Genes or Bad Luck?*, W.W. Norton, New York, 1991 annotated

James Redfield; *The Celestial Prophecy: An Adventure*, Time Warner Books, New York, 1993 annotated

Charles A. Reich; *The Greening of America*, Random House, New York, 1970 annotated

Constance Reid; *Introduction to Higher Mathematics*, Apollo Edition, Thomas Y. Crowell Co., New York, 1962 annotated

Robert Resnick and David Halliday; *Physics for Students of Science and Engineering*, part 1, John Wiley & Sons, New York, 1962

Richard M. Restak, M.D.; *Brainscapes: An Introduction to What Neuroscience Has Learned about the Structure, Function, and Abilities of the Brain*, Hyperion, New York, 1995 annotated

Richard M. Restak, M.D.; *The Brain: The Last Frontier*, Doubleday & Co., New York, 1979 annotated

Richard M. Restak, M.D.; *The Brain: The Last Frontier*, Warner Books, 1979 2 copies, one annotated with page notations inside back cover and notes on separate sheet of yellow legal paper

Jean-François Revel; *Without Marx or Jesus The New American Revolution Has Begun*, Delta, New York, 1972

Jean-François Revel; *How Democracies Perish*, translated by William Byron, Harper & Row, New York, 1985

Jean-François Revel; *The Totalitarian Temptation*, translated by David Hapgood, Penguin Books, 1977

James A. Richards, et. al.; *Modern University Physics*, Addison-Wesley, Reading, MA, 1960 annotated

H.L. Rietz, et. al.; *Plane and Spherical Trigonometry*, Macmillan and Co., New York, 1947

Jeremy Rifkin; *Entropy: A New World View*, Viking, New York, 1980 annotated with three legal sheets of notes

Jeremy Rifkin; *Entropy: A New World View*, Bantam Books, New York, 1981

John P. Roche; *The History and Impact of Marxist-Leninist Organizational Theory* Institute for Foreign Policy Analysis, Inc., Cambridge, MA, April 1984

Robert S. de Ropp; *The Master Game*, Dell, Laurel Edition, New York, 1974

Steven Rose; *The Making of Memory: From Molecules to Mind*, Anchor Books, New York, 1992

annotated

Jean-Jaques Rousseau; *The Social Contract*, translated by Maurice Cranston, Penguin Classics, 1978

Rudy Rucker; *Infinity and the Mind: The Science and Philosophy of the Infinite*, Birkhäuser; Boston, 1982 annotated

Rudy Rucker; *Infinity and the Mind*, Bantam Books, New York, 1983

Rudy Rucker; *Mind Tools: The Five Levels of Mathematical Reality*, Houghton Mifflin Co., Boston, 1987 (paper back) annotated with page notations inside back cover

Rudy Rucker; *Mind Tools: The Five Levels of Mathematical Reality*, Houghton Mifflin Co., Boston, 1987 (cloth)

David Ruelle; *Chance and Chaos*, Princeton University Press, 1991 annotated

David Ruelle; *Chance and Chaos*, Princeton Science Library, 1993

Dagobert D. Runes; *Pictorial History of Philosophy*, Littlefield, Adams & Co., Totowa, NJ 1963 annotated

Bertrand Russell; *A History of Western Philosophy*, Clarion Book, Simon and Schuster, New York annotated

Gilbert Ryle; *The Concept of Mind*, University Paperbacks, Barnes & Noble, Inc., 1966

Carl Sagan; *The Dragons of Eden: Speculations on the Evolution of Human Intelligence*, Random House, New York, 1977 annotated

Carl Sagan; *The Dragons of Eden: Speculations on the Evolution of Human Intelligence*, Ballantine Books, New York, 1980

William S. and Mabel Lewis Sahakian; *Ideas of the Philosophers*, Barnes & Nobles Books, New York, 1966

Giorgio de Satillana; *The Crime of Galileo*, Time Inc., New York, 1962

E. E. Schattschneider; *The Semi-Sovereign People: A Realist's View of Democracy in America*, Holt, Rinehart, and Winston, New York, 1960 annotated

Schaum's Outline Series: Theory and Problems, New York

- Advanced Calculus, by Murray R. Spiegel, 1963
- *Laplace Transforms*, by Murray R. Spiegel, 1965
- *Engineering Mechanics*, by McLean and Nelson, 1952
- *Abstract Algebra*, Joong Fang, 1963
- *College Algebra*, Murray R. Spiegel, 1956

- *Theoretical Mechanics*, Murray R. Spiegel, 1967
- *Set Theory and Related Topics*, Seymour Lipschutz, 1964
- *Vector Analysis*, Murray R. Spiegel, 1959
- *Fluid Dynamics*, W.F. Hughes and J.A. Brighton, 1967
- *Complex Variables*, Murray R. Spiegel, 1964
- *Differential Equations*, Frank Ayres, 1952
- *Differential and Integral Calculus*, Frank Ayres, 2nd edition, 1964
- *Matrices*, Frank Ayres, 1962
- *Modern Algebra*, Frank Ayres, 1965
- *Strength of Materials*, William A. Nash, 1957
- *Lagrangian Dynamics*, Dare A. Wells, 1967

Thomas C. Schelling; The Strategy of Conflict, Oxford University Press, 1977 annotated

Donald A. Schon; Technology and Change, Delta Book, 1967

Joseph A. Schumpeter; Capitalism, Socialism and Democracy, 3rd edition, Harper Torchbooks, New York, 1962

Mondo Sectar; I Ching Clarified: A Practical Guide, Charles E. Tuttle, Boston, 1993

Samuel M. Selby, et. al.; Handbook of Mathematical Tables, Chemical Rubber Publishing Co., Cleveland, Ohio, 1962

Richard Sennett; The Uses of Disorder: Personal Identity and City Life, Alfred A. Knopf, New York, 1970 2 copies, neither annotated

Rupert Sheldrake; The Presence of the Past: Morphic Resonance and the Habits of Nature, Vintage Books, New York, 1989 annotated, page notations inside back cover

Rupert Sheldrake; A New Science of Life: The Hypothesis of Formative Causation, J.P. Tarcher, Inc., Los Angeles, 1981 annotated

Jagit Singh; Great Ideas of Modern Mathematics: Their Nature and Use, Dover, New York, 1959 2 copies, one annotated

S.G.Shanker, ed.; Gödel's Theorem in Focus, Routledge, New York, 1989 annotated

B.F. Skinner; Beyond Freedom & Dignity, Bantam/Vintage Book, New York annotated

Y. Saparina; Cybernetics Within Us, Wilshire Book Co., No. Hollywood, CA, 1969 annotated

Hedrick Smith; The Power Game: How Washington Works, Ballantine Books, New York, 1989

Raymond Smullyan; Forever Undecided, Alfred A. Knopf, New York, 1987

G. Spenser-Brown; Laws of Form, E. P. Dutton, New York, 1979

Murray R. Spiegel; Applied Differential Equations, Prentice-Hall, Englewood Cliffs, NJ, 1961 annotated

Rudolf Steiner; A Theory of Knowledge: Implicit in Goethe's World Conception, the Anthroposophic Press, Spring Valley, New York, 197

Ian Stewart; Does God Play Dice?: The Mathematics of Chaos, Basil Blackwell, New York, 1989 annotated with page notations inside back cover

Michael Talbot; Mysticism and the New Physics, Bantam Books, 1981 2 copies, one annotated with page notations inside back cover

Gordon Rattray Taylor; The Great Evolution Mystery, Harper and Row, New York, 1983

John G. Taylor; Black Holes: The End of the Universe?, Random House, New York, 1973

John G. Taylor; Black Holes, Avon, New York, May 1975

George B. Thomas, Jr.; Calculus, 2nd edition, Addison-Wesley, Reading, MA, 1961

William Irwin Thompson; Darkness and Scattered Light: Speculations on the Future, Anchor Doubleday, 1978 annotated

William Irwin Thompson; Evil and World Order, Harper & Row, New York, 1976 annotated

James S. Trefil; The Moment of Creation: Big Bang Physics From Before the First Millisecond to the Present Universe, Charles Scribner's Sons, New York, 1983

Robert C. Tucker, ed.; The Lenin Anthology, W.W. Norton, New York, 1975

Mihaly Vajda; Fascism: as a mass movement, St. Martin's Press, New York, 1976 annotated

I. Velikovsky; Worlds in Collision, Abacus, 1976

P.E. Vernon, ed.; Creativity, Penguin, 1970

Paul C. Vitz; Psychology As Religion: The Cult of Self-Worship, William B. Eerdmans, Grand Rapids, MI, 1988

Ludwig von Bertalanffy; General System Theory: Foundations, Development, Applications, revised edition, George Braziller, New York, 1968 annotated

John von Neumann; The Computer and the Brain, Yale University Press, 1958

Friedrich Waismann; Introduction to Mathematical Thinking, Harper Torchbooks, New York, 1959 annotated

M. Mitchell Waldrop; Complexity: The Emerging Science at the Edge of Order and Chaos, Simon & Schuster, New York, 1992 annotated, page notations on separate sheet of paper

W. Grey Walter; The Living Brain, W.W. Norton, New York, 1963

Alan Watts; The Book: On the Taboo Against Knowing Who You Are, Vintage Books, New York, 1972 annotated with page notations and notes inside back cover

Alan Watts; The Wisdom of Insecurity, Vintage Books, 1951 introduction is annotated

Alan Watts; TAO: The Watercourse Way, Pantheon Books, New York, 1975 annotated with notes inside front and back cover; handwritten dedication to John Boyd from Chet Richards

Bernard Weiner, et. al.; Discovering Psychology, Science Research Associates, Inc., 1977

James D. Weinland; How to Think Straight, Littlefield, Adams, Totowa, NJ, 1970

Norbert Wiener; The Human Use of Human Beings: Cybernetics and Society, Discus edition Avon, 1967

Alfred North Whitehead; Process and Reality, corrected version, edited by David Ray Griffin and Donald W. Sherburne, The Free Press, New York, 1979

Frank Wilczek and Betsy Devine; Longing for the Harmonies: Themes and Variations from Modern Physics, W.W. Norton & Co., New York, 1988 annotated with page notations inside back cover

J.D. Williams; The Complete Strategyst: Being a Primer on the Theory of Games of Strategy Dover, New York, 1966

John K. Williams; The Wisdom of Your Subconscious Mind, Prentice-Hall, Inc., Engelwood Cliffs, NJ, 1973

Edward O. Wilson; On Human Nature, Bantam, New York, 1979 2 copies, one annotated with two pages of yellow legal paper of notes

Fred Alan Wolf; Taking the Quantum Leap: The New Physics for Nonscientists, Harper & Row, San Francisco, 1981 annotated

Fred Alan Wolf; Star Wave: Mind, Consciousness, and Quantum Physics, Macmillan, New York, 1984 annotated, page notations inside back cover

Alexander Woodcock and Monte Davis; Catastrophe Theory, Avon, New York, 1980 annotated

Hideki Yukawa; Creativity and Intuition: A Physicist Looks at East and West, translated by John Bester, Kodansha International, Ltd., Tokyo, 1973 annotated, page notations inside back cover

Gary Zukav; The Dancing Wu Li Masters: an Overview of the New Physics, William Morrow and Co., New York, 1979 annotated with page notations inside back cover

Gary Zukav; The Dancing Wu Li Masters: An Overview of the New Physics, Bantam, New York, 1980

Cold War and Espionage:

Philip Agee; Inside the Company: CIA Diary, Bantam Books, New York, 1978 annotated

James Bamford; The Puzzle Palace: A Report on NSA, America's Most Secret Agency, Houghton Mifflin, Boston, 1982 annotated

John Barron; KGB: The Secret Work of Soviet Secret Agents, Bantam Books, New York, 1978 annotated

Ladislav Bittman; The Deception Game, Ballantine Books, New York, 1972

W. H. Bowart; Operation Mind Control: Our Government's War Against Its Own People, Dell, New York, 1978

Gordon Brook-Shepherd; The Storm Petrels: The Flight of the First Soviet Defectors, Ballantine Books, 1982

Ray S. Cline; Secrets, Spies and Scholars: Blueprint of the Essential CIA, Acropolis Books, Washington, D.C., 1976 annotated

Willaim Colby with Peter Forbath; Honorable Men: My Life in the CIA, Simon and Shuster, New York, 1978

David J. Dallin; Soviet Espionage, Yale University Press, 1955

Allen Dulles; The Craft of Intelligence, Harper & Row, New York, 1963

John J. Dziak; Chekisty: A History of the KGB, Lexington Books, Lexington, MA, 1988 annotated

Brian Freemantle; KGB, Holt, Rhinehart, and Winston, New York, 1982

Heinz Höhne; Codeword: Direktor: The Story of the Red Orchestra, translated by Richard Barry, Coward, McCann, & Geoghegan, Inc., New York, 1971 annotated

Heinz Höhne; Codeword: Direktor, translated by Richard Barry, Ballantine Books, New York, 1982

David Kahn; The Codebreakers: The Story of Secret Writing, Macmillan, New York, 1979 annotated

David Kahn; The Codebreakers: The Story of Secret Writing (abridged), Signet Book, New York, 1979 annotated, with page notations inside front cover and loose sheet of notes

Victor Marchetti and John D. Marks; The CIA and the Cult of Intelligence, Dell, November 1980 2 copies, one annotated

David C. Martin; Wilderness of Mirrors, Harper and Row, New York, 1980 annotated, page notations inside back cover

David C. Martin; Wilderness of Mirrors, Ballantine Books, New York, 1981

Aleksei Myagkov; Inside the KGB, Ballantine Books, New York, 1981

Bruce Page, David Leitch, and Phillip Knightley; The Philby Conspiracy, Ballantine Books, New York, 1981

Raymond Palmer; The Encyclopedia of Espionage: The Making of a Spy, The Danbury Press, 1977

David Atlee Phillips; The Night Watch, Ballantine Books, New York, 1982

Chapman Pincher; Their Trade is Treachery, Bantam Books, 1982 annotated

Thomas Powers; The Man Who Kept the Secrets: Richard Helms and the CIA, Alfred A. Knopf, New York, 1979 annotated with separate sheet of paper with page annotations

Harry Rositzke; The KGB: The Eyes of Russia, Doubleday & Co., Inc. Garden City, New York, 1981

Michael Saba; The Armageddon Network, edited by Evan Hendricks, Amana Books, Vermont 1984

Vladimir Sakharov with Umberto Tosi; High Treason, Ballantine Books, New York, 1980

Joseph B. Smith; Portrait of a Cold Warrior, Ballantine Books, New York, 1976

Stewart Steven; The Spymasters of Israel, Ballantine Books, 1980

John Stockwell; In Search of Enemies: A CIA Story, W.W. Norton, New York, 1978

Peter Way; The Encyclopedia of Espionage: Codes and Ciphers, The Danbury Press, 1977

Nigel West; The Circus: MI5 Operations 1945-1972, Stein and Day, New York, 1983

Herbert O. Yardley; The American Black Chamber, Ballantine Books, New York, 1981

Equipment and Military Hardware:

T. E. Bearden; Fer-de-Lance: A Briefing on Soviet Scalar Electromagnetic Weapons, Tesla Book Co., Ventura, CA, 1986 2 copies

Octave Chanute; Progress in Flying Machines, Lorenz & Herweg, Long Beach, CA, 1976

Jeff Ethell; F-15 Eagle, Ian Allan, Ltd., London, 1984

*Jeff Ethell and Joe Christy; B-52 Stratofortress, Charles Scribner's Sons, New York, 1981
handwritten dedication to John Boyd from Jeff Ethell*

*Eric Morris, et.al.; Weapons & Warfare of the 20th Century, Derbiboooks, 1976 annotated with
page notations on back cover*

*The Soviet War Machine: An Encyclopedia of Russian Military Equipment and Strategy, Chartwell
Books, Inc. New York, 1976 annotated*

Business Management:

*Rafael Aguayo; Dr. Deming: The American Who Taught the Japanese About Quality, Simon &
Schuster, New York, 1991 annotated with page notations inside back cover and on single sheet of
paper*

Kaneo Akiyama; Function Analysis: Systematic Improvement of Quality and Performance, Andrew P. Dillon, translator, Productivity Press, Cambridge, MA, 1991

Derm Barrett; Fast Focus on TQM: a concise guide to companywide learning, Productivity Press, Portland Oregon, 1994

Edward C. Bursk and John F. Chapman, editors; New Decision-Making Tools for Managers, Mentor Books, New York (authorized reprint of hard cover edition published by Harvard University Press, 1963)

W. Edwards Deming; Out of the Crisis, MIT Center for Advanced Engineering Study, 1990 annotated with page notations inside back cover and on single sheet of paper

Henry Ford; Today and Tomorrow, special edition of Ford's 1926 classic, Productivity Press, Cambridge, MA 1988 annotated

Richard N. Foster; Innovation: The Attacker's Advantage, Summit Books, New York, 1986 annotated

Forrest H. Frantz, Sr.; Parametrics: New Key to Successful Take-Charge Management, Parker Publishing Co., West Nyack, NY, 1968

Ryuji Fukuda; Managerial Engineering: Techniques for Improving Quality and Productivity in the Workplace, Productivity Press, Cambridge, MA 1983

Nicholas Georgescu-Roegen; The Entropy Law and the Economic Process, Harvard University Press, 1971 annotated

Philip Glouchevitch; Juggernaut: The Key to German Business Success, Touchstone Books, New York, 1993

Jeffrey Goldstein; The Unshackled Organization: Facing the Challenge of Unpredictability Through Spontaneous Reorganization, Productivity Press, Portland, Oregon, 1994

William J. J. Gordon; Synthetics: The Development of Creative Capacity, Collier Books, New York, 1976

Alvin H. Hansen; Business Cycles and National Income, W.W. Norton, New York, 1951 annotated

John R. Hartley; Concurrent Engineering: Shortening Lead Times, Raising Quality, and Lowering Costs, Productivity Press, Cambridge, MA, 1992

Robert Heilbroner and Lester Thurow; Five Economic Challenges, Prentice-Hall, Englewood Cliffs, NJ, 1981

Robert L. Heilbroner; The Nature and Logic of Capitalism, W.W. Norton, New York, 1985 annotated

Napoleon Hill; Think and Grow Rich, Fawcett Crest, Greenwich, CT

Hiroyuki Hirano, Editor-in-Chief; JIT Factory Revolution: A Pictorial Guide to Factory Design of the Future, translated by Dr. J. T. Black, editor, Productivity Press, Cambridge, MA, 1988

Masaaki Imai; Kaizen (Ky'zen): The Key to Japan's Competitive Success, McGraw-Hill, New York, 1986 annotated, page notations inside back cover

Junichi Ishiwata; IE for the Shop Floor: Productivity Through Process Analysis, Productivity Press, Inc., Cambridge, MA, 1991

Jane Jacobs; Cities and the Wealth of Nations: Principles of Economic Life, Random House, New York, 1984

Kanban Just-in-Time at Toyota: Management Begins at the Workplace, revised edition, translated by David J. Lu, Productivity Press, Cambridge, MA, 1989 annotated

Marilyn Moats Kennedy; Powerbase: How to Build It, How to Keep It, Ballantine Books, 1985 annotated with page notations inside back cover

Iwao Kobayashi; 20 Keys to Workplace Improvement, Productivity Press, Cambridge, MA, 1990

J. K. Lasser; Business Management Handbook, McGraw-Hill, New York, 1954 Michael LeBoeuf; GMP: The Greatest Management Principle in the World, Berkley Books, New York, 1986 annotated

Harry Levinson; The Exceptional Executive: A Psychological Conception, Mentor Book, New York, 1968 annotated

Raymond S. Louis; How to Implement Kanban for American Industry, Productivity Press, Cambridge, MA, 1992

Albert Low; Zen and Creative Management, Playboy Paperbacks, New York, 1982

Ichiro Majima; The Shift to JIT: How People Make the Difference, translated by Warren Smith, Productivity Press, Cambridge, MA, 1992 annotated

Brian H. Maskell; Software and the Agile Manufacturer: Computer Systems and World Class Manufacturing, Productivity Press, Portland, Oregon, 1994

Giorgio Merli; Total Manufacturing Management: Production Organization for the 1990s, Productivity Press, Cambridge, MA, 1990

Yasuhiro Monden; Toyota Production System: Practical Approach to Production Management, Industrial Engineering and Management Press, Norcross, GA, 1983 annotated

Gunnar Myrdal; Challenge to Affluence, Vintage Books, New York, 1965 annotated

Shigehiro Nakamura; The New Standardization: Keystone of Continuous Improvement in Manufacturing, Productivity Press, Portland, Oregon 1993 2 copies, one annotated with page notations inside back cover

Patrick Northey and Nigel Southway; Cycle Time Management: The Fast Track to Time-Based Productivity Improvement, Productivity Press, Cambridge, MA 1993 annotated

Taiichi Ohno; Just-in Time: For Today and Tomorrow, translated by Joseph P. Schmelzeis, Productivity Press, Cambridge, MA, 1988 annotated with page notations inside back cover

Taiichi Ohno; Workplace Management, translated by Andrew P. Dillon, Productivity Press, Cambridge, MA, 1988 annotated with page notation inside back cover

Taiichi Ohno; Toyota Production System: Beyond Large-Scale Production, Productivity Press, Cambridge, MA, 1988 annotated with page notations written on envelop

William Ouchi; Theory Z: How American Business Can Meet the Japanese Challenge, Addison-Wesley, Reading, MA, 1981 annotated with page notations inside front and back covers

Richard Tanner Pascale and Anthony G. Athos; The Art of Japanese Management: Applications for American Executives, Simon and Schuster, New York, 1981 annotated with page notations inside back cover

Thomas J. Peters and Robert H. Waterman, Jr.; In Search of Excellence: Lessons from America's Best-Run Companies, Harper & Row, New York, 1982 annotated with notes and page notations inside back cover

George M. Prince; The Practice of Creativity: A Manual for Dynamic Group Problem Solving, Collier Books, New York, 1974

Alan Robinson; Modern Approaches to Manufacturing Improvement: The Shingo System, Productivity Press, Cambridge, MA 1990 annotated

Joseph J. Romm; Lean and Clean Management: How to Boost Profits and Productivity by Reducing Pollution, Kodansha International, New York, 1994

Joseph J. Romm; The Once and Future Super-Power: How to Restore America's Economic, Energy, and Environmental Security, William Morrow, New York, 1992

Roy Rowan; The Intuitive Manager, Berkley Books, New York, 1987 annotated

Kenichi Sekine; One-Piece Flow: Cell Design for Transforming the Production Process, Productivity Press, Cambridge, MA, 1992

Shigeo Shingo; Non-Stock Production: The Shingo System for Continuous Improvement, Productivity Press, Cambridge, MA, 1988

Shigeo Shingo; A Revolution in Manufacturing: The SMED System, translated by Andrew P. Mellon, Productivity Press, Cambridge, MA, 1985

Shigeo Shingo; The Shingo Production Management System: Improving Process Functions, translated by Andrew P. Mellon, Productivity Press, Cambridge, MA, 1992 annotated with page notations inside back cover and single sheet of paper with notes

Shigeo Shingo; A Study of the Toyota Production System From an Industrial Engineering Viewpoint, revised edition, translated by Norman Bodek, Productivity Press, Cambridge, MA, 1989 annotated with page notation inside back cover

The Sayings of Shigeo Shingo: Key Strategies for Plant Improvement, translated by Andrew P. Dillon, Productivity Press, Cambridge, MA, 1987 annotated

George Stalk, Jr. and Thomas M. Hout; Competing Against Time: How Time-Based Competition is

Reshaping Global Markets, The Free Press, New York, 1990 annotated with page notations inside back cover

Successful Patterns for Executive Action, Harvard Business Review, January-February 1955 annotated

James B. Swartz; The Hunters and the Hunted: A Non-Linear Solution for American Industry, Productivity Press, Portland, Oregon, 1994 3 copies

Myron Tribus, Deployment Flow Charting, a workbook to accompany the videotapes deployment flow charting, Vol. I and II, Quality and Productivity, Inc., Los Angeles, CA 1989 annotated

James P. Womack, Daniel T. Jones, and Daniel Roos; The Machine That Changed the World: The Story of Lean Production, Harper Perennial, 1991 annotated, page notations inside back cover

General:

Lawrence Auster; The Path to National Suicide: An Essay on Immigration and Multiculturalism, the American Immigration Control Foundation, Monterey, VA, 1990

Richard Bach; Jonathan Livingston Seagull: A Story, Macmillan, New York, 1970 handwritten dedication from Colonel Ernest E. Riccioni to John Boyd

Frederic Bastiat; The Law, the Foundation for Economic Education, Inc., Irving-on-Hudson, New York, 1990

Ernest Becker; The Denial of Death, The Free Press, New York, 1973

Charles Beitz and Michael Washburn; Creating the Future: A Guide to Living and Working for Social Change, Bantam Books, New York, 1974

Henry M. Boettinger; Moving Mountains: or The Art of Letting Others See Things Your Way, Collier Books, New York, 1974

David D. Burns; Feeling Good: The New Mood Therapy, Signet Book, New York, 1981 annotated

Jeremy Campbell; Grammatical Man: Information, Entropy, Language and Life, Simon and Schuster, New York, 1982 annotated, notes inside back cover and separate sheet with page notations

Orson Scott Card; Ender's Game, TOR, Tom Doherty Associates, New York, 1986 annotated, page notations inside back cover

James P. Carse; Finite and Infinite Games, Ballantine Books, New York, 1987 annotated

Barry Commoner; The Closing Circle: Nature, Man and Technology, Bantam, New York, 1974

Joseph D. Douglass, Jr.; Red Cocaine: The Drugging of America, Clarion House, Atlanta, GA 1990

B. K. Eakman; Educating for the New World Order, Halcyon House, Portland, Oregon, 1991

Loren Eiseley; The Invisible Pyramid: A Naturalist Analysis the Rocket Century, Charles

Scribner's Sons, New York, 1970

Suzette Haden Elgin; The Gentle Art of Verbal Self-Defense, Dorset Press, 1980 annotated

James Fallows; Breaking the News: How the Media Undermine American Democracy Pantheon Books, New York, 1996

Edward A. Feigenbaum and Pamela McCorduck; The Fifth Generation: Artificial Intelligence and Japan's Computer Challenge to the World, Signet, New York, 1984

John W. Gardner; Excellence, Perennial Library, Harper & Row, New York, 1961

John W. Gardner; Self-Renewal: The Individual and the Innovative Society, Harper Colophon, New York, 1965 annotated

Valérie-Anne Giscard d'Estaing; The World Almanac Book of Inventions, World Almanac Publications, New York, 1985

Thomas A. Harris; I'm OK -- You're OK, Avon, New York, 1973

Marvin Harris; Cultural Materialism: The Struggle for a Science of Culture, Random House, New York, 1979

Eric Hoffer; The True Believer: Thoughts on the Nature Mass Movements, Harper and Row, New York

The Institute for Cultural Conservatism; Cultural Conservatism: Toward a New National Agenda, Free Congress Research and Education Foundation, 1987 annotated

Si Kahn; How People Get Power: Organized Oppressed Communities for Action, McGraw-Hill, New York, 1970

Russell Kirk; Enemies of the Permanent Things: Observations of Abnormality in Literature and Politics, Arlington House, New Rochelle, NY, 1969

Langenscheidt's German-English/English-German Dictionary, Pocket Books, 1970

Stanislaw Lem; Imaginary Magnitude, translated by Marc E. Heine, Harvest/HBJ Book, Harcourt Brace Jovanovich, San Diego, 1985

David MacDermott; Meta Metaphor, Marlborough House, Boston, 1974

Donella Meadows, et. al.; The Limits to Growth: A Report to the Club of Rome's Project on the Predicament of Mankind, Signet, New York, 1972

Mihajlo Mesarovic and Eduard Pestel; Mankind at the Turning Point: The Second Report to The Club of Rome, E. P. Dutton & Co., Readers Digest Press, New York, 1974

Terrence des Pres; The Survivor: An Anatomy of Life in the Death Camps, Pocket Books, New York, 1977 annotated, page notations inside back cover

Nathan Pritikin; The Pritikin Promise: 28 Days to a Longer, Healthier Life, Simon and Schuster, New York, 1983

Jeremy Rifkin; Entropy, The Viking Press, New York, 1980 annotated, notes on 3 separate sheets of legal paper

Stewart Robb; Prophecies on World Events by Nostradamus, Liveright Publishing Co., New York, 1961

Everett L. Shostrom; Man, the Manipulator: The Inner Journey from Manipulation to Actualization, Bantam Books, New York, 1972

Palmer Stacy and Wayne Lutton; The Immigration Time Bomb, The American Immigration Control Foundation, Monterey, VA, 1985 -- revised 1988 edition

Jan Tinbergen, coordinator; Rio: Reshaping the International Order: A Report to the Club of Rome, Signet, New York, 1977

Alvin Toffler; Future Shock, Random House, New York, 1970 annotated with page notations inside front cover

James D. Weinland; How to Improve Your Memory, Barnes and Noble, Inc., New York, 1970

3 books in Chinese

Magazines:

Discover:

April 1990 -- August 1990

October 1990 -- August 1991

November 1991 -- January 1994

March 1994 -- May 1994

Scientific American:

July 1988

April 1992 -- March 1994

May 1994

The Atlantic Monthly:

January 1990

December 1993 -- June 1994

August 1994 -- September 1994

Omni:

February 1990

June 1990 -- July 1990

October 1990 -- July 1991

September 1991 -- June 1993

August 1993 -- March 1994

Military Review:

April-May 1989

Naval Institute Proceedings:

June 1993

February 1996

July 1997 (article about John Boyd by Chuck Spinney)

Reader's Digest:

December 1976 (2 copies)

The New York Times Magazine:

March 26, 1995

May 7, 1995

June 11, 1995

January 14, 1996

Dallas Life Magazine:

May 5, 1987

USAF Fighter Weapons Review:

Fall 1984

Spring 1985

Summer 1988

Joint Force Quarterly:

Spring 1994

American Heritage:

April/May 1981

Mechanix Illustrated:

December 1976

Time:

June 1981

U.S. News & World Report:

May 6, 1991

Naval War College Review:

Summer 1995

Miscellaneous

miscellaneous newspaper clippings

miscellaneous magazine articles

Articles:

Box 1

Air Force Review

"Applications of Optical Phase Conjunction", Scientific American, January 1986

"The Arrow of Time", Scientific American, December 1975

"Artillery Tactics, 1939-1945", Shelford Bidwell

"Barbarossa: Surprise Attack and Communication", Amon Sella

Business is War!, The Kappa Group

G. J. Chaitin Recent Reprints [several articles on Gödel]

"Chance and Complexity in the Real World Clausewitz on the Nonlinear Nature of War", Alan Beyerchen

"Clausewitz in the Age of Technology", and "A Model of Soviet Mentality"

"A Conceptual Foundation for a Theory of Strategy", Washington Quarterly

Winter 1990, Gregory D. Foster

"Closing with the Enemy" LtCol. Douglas A. Macgregor, and " VII Corps in the Gulf War" LtCol. Peter S. Kindsvatter, Military Review

"Computational Complexity and the Universal Acceptance of Logic",

The Journal of Philosophy, 12 December 1984

Cover Correspondence, The Deming Library, vol. 7 & 8, "The Red Bead Experiment"

[Desert Storm two articles] Fright Night: Task Force 2/34 Armor"

Col. Gregory Fontenot, USA and "A Leap of Faith", Col. Lon E. Maggart

"Exploring the Labyrinth of the Mind"

articles about Newt Gingrich

[Harvard Business Review], articles about time

"The IDF Officer: Linchpin in Unit Cohesion" and "Combat Operations C³I:

Fundamentals and Interactions

"Intelligence and Deception", Professor R. V. Jones

"Understanding Intelligence Across Cultures", Jean-Marie Bonthous

The Mastery of Mystery"; "Software au Natural", and "Fuzzy, Neural and

Genetic Methods to Overcome Complexity"

Box 2

"Military Reform: Past and Present", LtCol Walter Kross

Miscellaneous Newspaper Clippings RE: Desert Storm

"Nonlinear Science and the Unfolding of a New Intellectual Vision",

Alan D. Beyecken

OODA Loop Articles

Ilya Prigogine

"Quantum Chaos", Scientific American, January 1992

"Heisenberg, Uncertainty and the Quantum Revolution" and "The Reality of the

Quantum World"

"The Gospel According to Sun Tzu", Forbes, December 9, 1991

"The Scrambler on the Danube: The Ulm-Austerlitz Campaign, 1805

"Similarities Between Soviet Army and its Tsarist Predecessor",

"The Manchurian Campaign and Its Relevance to Modern Strategy"

and " Militarism and the Soviet State"

U.S. News and World Report, May 6, 1991

Briefings: Colonel John R. Boyd's

Box 3

Precursor to "Destruction and Creation"

Draft of "Destruction and Creation" -- 11 February 1976

12 March 1976 "Destruction and Creation"

"Destruction and Creation" -- 23 March 1976

"Destruction and Creation' -- 3 September 1976 [with corrections]

"Destruction and Creation' -- 3 September 1976

"Destruction and Creation" -- 3 September 1976 and " An Evaluation of

LtCol. John R Boyd's Creative, Professional Contributions to the USAF"

"Destruction and Creation" -- Originals

"Destruction and Creation" [no date]

*Comments on "Destruction and Creation", misc. memoranda on attack geometry,
and agenda*

New Conception for Air-to-Air Combat -- 4 August 1976

"Patterns of Conflict" -- version #3

"Warp V: Patterns of Conflict" -- 12 November 1976

Transparencies -- "Patterns of Conflict" -- 17 November 1976

Box 4

"Warp VII: Patterns of Conflict" -- 18 January 1977

"Warp VII: Patterns of Conflict" -- 7 February 1977

"Warp VIII: Patterns of Conflict" -- 16 February 1977

"Warp VIII: Patterns of Conflict" -- 17 March 1977

"Warp VIII: Patterns of Conflict" -- 28 March 1977

"Warp IX: Patterns of Conflict" -- 10 May 1977

"Warp IX: Patterns of conflict" -- 23 May 1977

"Warp IX: Patterns of Conflict" -- 12 August 1977

"Warp X: Patterns of Conflict" -- 16 September 1977

"Warp XI: Patterns of Conflict: Cheng, Ch'i, and Schwerpunkt" --

12 October 1977

"Warp XI: Patterns of Conflict" -- 20 March 1978

"Patterns of Conflict" -- 1978

"Patterns of Conflict"-- November 1978

Box 5

Transparencies -- "Patterns of Conflict" -- April 1979

"Patterns of Conflict" [July 1979]

"Patterns of Conflict" -- September 1981

"Patterns of Conflict" -- December 1986

"Patterns of Conflict" [1990]

POC Originals (latest) [no date]

Jay Luvaas Critique: "Patterns of Conflict in History"

Roger Speller's Critique of Patterns of Conflict"

Roger Speller's Critique of Boyd's "Patterns of Conflict"

Box 6

"The Essence of Winning and Losing" -- handwritten draft

OODA Loops [handwritten draft of the "Essence of Wining and Losing"]

Abstract -- "Discourse on Winning and Losing" and Sources, August 18, 1992

Abstract -- "Essence of Winning & Losing" -- 28 June 1995

"The Essence of Winning and Losing" -- 28 June 1995

"The Essence of Winning and Losing" (Revised January 1996)

"Discourse on Winning and Losing" [no date]

"Discourse on Winning and Losing" -- Abstract

"A Discourse on Winning and Losing" and "Destruction and Creation"

"A Discourse on Winning and Losing" [transparencies and text]

Transparencies: A Discourse on Winning and Losing -- 1989

Box 7

"Organic Design for Command and Control -- 11/March/ 1982

New Ideas -- August 1983 "3 Fundamental Statements"

OD for C & C (March '84) (Originals)

"Revelation" -- c. 1986

"Organic Design for Command and Control" -- May 1987

"Organic Design for Command and Control" -- October 1986, May 1987

"Organic Design for Command and Control" [no date]

Transparencies: Organic Design for C & C -- 1989

"The Strategic Game of ? and ?" -- July 1986, August 1986, October 1986

"The Strategic Game of ? and ?" -- June 1987

"The Strategic Game -- Originals [undated]

Transparencies: The Strategic Game -- 1989

Early "Conceptual Spiral" -- Handwritten Copy

Handwritten Draft -- Conceptual Spiral

"Conceptual Spiral" April--July 1990

"Conceptual Spiral" -- May 23, 1990

"Conceptual Spiral" -- July 1990

Box 8

"Conceptual Spiral" -- December 1990

"Conceptual Spiral" -- December 20, 1990

"Conceptual Spiral" -- December 1990-January 1991

"Conceptual Spiral" July/August 1992

Transparencies: "Conceptual Spiral" -- 1989

"Conceptual Spiral" -- July/August 1992

Transparencies -- "Conceptual Spiral" -- July/August 1992

Transparencies -- "Conceptual Spiral"

Sources -- Handwritten Draft

Sources

Sources

Sources

Sources with errors [December 20, 1993]

Abstracts

Blitz Operating Philosophy

Blitz Operating Philosophy (Part II)

"Energy Maneuverability Maximum Maneuver Concept"

Technology and the Art of War

Transparency -- "Theme for Survival and Conquest"

Briefings, Articles and Concept Papers: By Others

Box 9

Dr. Paul J. Berenson: Glimmerings of the Future, U.S. Air Force 2025 Study

Dr. Paul J. Berenson "Think Papers"

Gunther Blumentritt "Command Techniques" and Pierre Sprey "Impact of Avionics"

James G. Burton -- Bradley Fighting Vehicle

James G. Burton "Desert Storm: A Different Look"

James G. Burton [Desert Storm and Maneuver Warfare], "? -- Closing the Backdoor -- ?"

Jeffrey R. Cooper "The Coherent Battlefield"

Cyber War -- Info Wars

John J. Fialka -- conclusion to War by Other Means: Economic Espionage in America

John Kirk; [written outpourings]

Dan Moore; "Battle Plan Execution"

Akio Morita and Shintaro Ishihara -- "The Japan that can say "No" the New U.S. Japan Relations Card"

Lt Col Pat A. Pentland; "Center of Gravity Analysis and Chaos Theory"

Col. Chet Richards: Abstracts and Articles

Box 10

Col Chet Richards: "Agile Manufacturing: Beyond Lean?" and "The Second Toyota Paradox: How Delaying Decisions Can Make Better Cars Faster" (Allen Ward, et. al., Sloan Management Review, Spring 1995)

Col Chet Richards -- Briefing Materials

Col Chet Richards -- Briefing Materials

Col Chet Richards -- untitled manuscript

Col Chet Richards; "Riding the Tiger: What You Really Do with OODA Loops"

Col Chet Richards; "What You Really Do with OODA Loops"

Col Chet Richards: " Surprise and Deception at the Canal" October 1993

Col Chet Richards; "War, Chaos, and Business" -- 1990

John Schmitt; "Chaos, Complexity and War"

Charles F. Smith; "Matra: Multi-Aspect, Tri-Relational Analysis, A System Architecture for Combat Analysis"

Franklin C. Spinney: "Anatomy of Decline"

Box 11

Franklin C. Spinney; "Defense Power Games", Fund for Constitutional Government Report -- November 1990

Franklin C. Spinney; "Defense Time Bomb: Background Case Study Hypothetical Escape Option", February 23, 1996

Franklin C. Spinney; "Why There Won't Be a Peace Dividend"

Pierre Sprey, John Patterson, and John Boyd; "Introducing Handling and Agility into Energy Maneuverability", 30 August 1970

Major Barry Watts; "A Brief Conceptual History of Air Force Doctrine for (Day/Eyeball -- Contact) Aerial Combat"

Major Barry Watts; Briefing -- "Perceptions of Effectiveness"

Major Barry Watts; Clausewitz Chapter for Rethinking War and Defense Analysis"

Major Barry Watts; "Future in Future War" [draft -- revised on 10/14/95]

Major Barry Watts; Friction in Future War -- draft 12/2/1995

Major Barry Watts; Draft -- "Friction in Future War" -- 12/2/1995

Major Barry Watts; Draft -- "Friction in Future War" -- 1/10/1996

Major Barry Watts; Draft -- Theory of War

Major Barry Watts; "War's Narrow Margin: Friction and Nonlinearity in Combat Processes"

Colonel G. I. Wilson; "Epilogue from the Swimming Pool: Operational Art"

Reports and Concept Papers:

AirLand Doctrine

Box 12

AirLand Battle Doctrine

AirLand Battle Doctrine -- General John W. Foss

AirLand Battle Doctrine -- General John W. Foss

AirLand Battle Tenet: Synchronization -- 18 April 1991

AirLand Operations

Articles Describing U.S. Army General John W. Foss's Thinking on AirLand Battle -- Future Nonlinear Warfare

Final Draft: FM 100-20 AFM 2-XY; Military Operations in Low-Intensity Conflict

LtGen John H. Cushman "Thoughts for Joint Commanders"

John L. Romjue; From Active Defense to AirLand Battle: the Development of Army Doctrine 1973-1982, TRADOC Historical Monograph Series annotated

General

Box 13

ACF Wing Study -- 23 January 1975

"American Airpower and Grand Tactics"

"Armor in the Exploitation or the 4 Against France", 1948-1949

Capt. John R. Boyd; "Aerial Attack Study", June 1963

Capt. John R. Boyd; "Aerial Attack Study", revised 11 August 1964

Carl Builder; "Patterns in American Intellectual Frontiers", August 1990

"Command and Control, C4I Division, 24 February 1995

CSI Report: The Directed Telescope

Deception Maxims: Fact and Folklore

Box 14

draft manuscript [Desert Shield/Desert Storm]

Desert Storm

CIA: Operation Desert Storm: A Snapshot of the Battlefield

John Despres, Lilita Dzirkalis, and Barton Whaley; "Timely Lessons of History: The Manchurian Model for Soviet Strategy" -- Rand Corporation

"Development Planning Interim Report" [1974]

"Double Attack system", "Air-Combat-Maneuvering", and "Day-Fighter Combat"

"Jaeger Squadron (X)", February 13, 1996

Maximum Maneuver Concept (U), Projectile, Incendiary, and Selected Systems, Analysis Division, Technical Report AFATL-TR-72-116, June 1972

"National Security Issues of Consequence to George Bush and Conservatives" -- June 27, 1988

Major Donald R. Stiffler: "Exploiting Situational Awareness Beyond Visual Range"

"Reforming the Military"

"U.S. National Security 1983 and Beyond"

Box 15

Martin Van Creveld "Command"

Martin Van Creveld "Fighting Power: German Military Performance, 1914-1945"

Loose Notes and Spiral Notebooks:

Notes

Box 16

Appreciation and Leadership -- 14 April 1982

Comments and Ideas -- no date

"Derivation of Agility Parameters"

"Name-of-the-Game"

New Ideas -- August 1983, 22 September 1983

New Ideas -- Part II

Ideas and Notes for S/E/T

Misc. Notes

Notes

Notes

Notes

Notes

Notes

Notes

Notes

Notes

Rough Drafts

Spiral Notebooks

Box 17

20 spiral notebooks and notes written on cardboard

Course Syllabi and Seminars:

Box 18

USMC Command and Staff College, Curriculum Enhancements

Spacecast 2020 White Papers

Air University, Spacecast 2020 Advisory Group Conference -- January 24, 1994

Air University, Spacecast 2020 Advisory Group -- March 31, 1994

Air University Spacecast 2020 into the Future

Grant T. Hammond -- "The Lily of the Valley"

Box 19

Air War College Visit -- 1991

Travel to Air War College

Heero Hacquebord: "Statistical Thinking for Leaders: Profound Knowledge for Applying Dr. Deming's Management Theory April 27, 1992

Technical Material:

Box 20

The Factory Management Notebook Series: Case Studies in Improvement --

Mixed-Model Production, vol. 1, no. 1 -- Nikkon Kogyo Shimbun

The Factory Management Notebook Series: Case Studies in Improvement --

Autonomation/Automation, vol. 1, no. 3 -- Nikkon Kogyo Shimbun

Correspondence and Memoranda:

Box 21

Correspondence -- 1970-1980

Correspondence -- 1983-1986

Correspondence -- 1986-1989

Correspondence -- 1990-1995, and undated

Memoranda -- AFOTEC/OTD Relations

Memoranda -- Combat Fuel Allocation -- November 29, 1995

Memoranda -- Development Plans and Analysis Group

Memoranda -- POM 84 FY 84 SCN

Memoranda -- Review of FMFM-5 Aviation--Content Outline

Memoranda -- U.S. Naval Institute: Maneuver Warfare at Sea"

Memoranda -- "Why Tanks?"

Yearbooks and Desk Diaries:

Box 22

The Spokesman, 1943

The Spokesman, 1945

52F, Williams Air Force Base

1980 Monthly Date Keeper

1981 Monthly Date Keeper

1983

1984 Monthly Date Keeper

1986 Monthly Date Keeper

General:

Box 23

Abstract: Contributions to Fighter Aviation of Colonel John R. Boyd, USAF

Articles, Correspondence

Articles and Notes

Articles, Notes, and Engineering Drawings

Colonel James G. Burton's Statement to Congress -- January 28, 1985

Congressional Testimony -- Acquisition Reform

Congressional Reform -- 1991

Testimony Before Aspen Committee -- April 1991

Federal Legislation -- 1981-1986

USAF Flight Crew Check Lists

Flight Records

"Genesis" -- Ismond Rosen

William Lind "Victoria"

Membership -- U.S. Naval Institute

Naval Doctrine Publication 1: Naval Warfare

Box 24

Naval War College Review; Radar: Shield or Target; Correspondence

Notes, Correspondence, Evaluations, etc.

Oral History Transcripts

Quotes from the movie Dune

Resume

"In the Shadow of Doom: Social Disintegration in America"; "A Framework"

Senator Barry Goldwater -- Statement on Tactical Warfare -- March 3, 1983

TB--218 [23 January 1994]

Travel

Dr. Myron Tribus, Deployment Flow Charting, Quality & Productivity, Inc.

Los Angeles, CA 1989

U.S. Air Force Oral History Interview with Colonel John R. Boyd, 28 January 1977

U.S. Goal and B. H. Liddell Hart "Strategy" 1967

Barry Watt: Articles & Correspondence RE: AFM 1-1 and Air Force Doctrine

Miscellaneous

Miscellaneous

Obituaries

Artifacts and personal items:

jump suit

red silk scarf

leather brief case

2 Batori Jet Computer supersonic

type ball from typewriter used to type Patterns of Conflict

leather wallet with Colonel Boyd's discharge papers from the U.S. Army Air Force

plaque -- Major John R. Boyd, aeronautical engineering 1965

Citation of Honor, Air Force Association pays tribute to LtCol. John R. Boyd, for pioneering development of Air-to-Air Fighter Tactics Leading to Greater Combat Capability and Improvements in Aircraft Design, 1969

plaque -- 55th Tactical Fighter Squadron

plaque -- Task Force Alpha

The Harold Brown Award, Department of the Air Force presented to Col. John Boyd -- 1974

plaque -- Naval Doctrine Command, presented to Col. John Boyd, Ret. by Radm. F.L. Lewis 21 June 1994

Photographs:

Box 25

Folder 15 -- Polaroid snapshots of Colonel and Mrs. Boyd's living room showing bookcases and Colonel Boyd's favorite chair before shipping material to Quantico

2 -- 3x5 color photographs showing John Boyd leaning against door frame talking to Morly Safer of 60 Minutes and Colonel James G. Burton (USAF)

1 -- Xeroxed image of the photograph from the New York Times showing John Boyd holding a model of the F-16

JRB -- College freshman photograph

JRB -- College graduation portrait

JRB -- As an enlisted man, U.S. Army

JRB -- About to dive into swimming pool

College yearbook photograph of Mary E. Bruce (the future Mrs. Boyd)

JRB and Mary Bruce -- college prom

Wedding photograph -- Mr. and Mrs. John Boyd

John and Mary Boyd cutting the wedding cake

JRB -- climbing out of F-86 cockpit

Official USAF portrait of JRB

Retirement photograph of Colonel Boyd with Secretary of the Air Force John McLucas

JRB in retirement

Folder 2 John Boyd and Pierre Sprey in front of photograph of the F-16 three images of the F-16 in flight

slides

Computer discs

multi-media CD-Rom: Air Command and Staff College "Education Tomorrow's Leaders"

Addendum

Dr. Grant T. Hammond -- manuscript, biography of John Boyd

[Top](#)

Return to [War, Chaos, and Business](#)