

Oxford Roundtable on the Three Cultures: Humanities-Literature, Religion and Science

***Psychology's Use and Representation of the Three
Cultures in Understanding Human Nature: History,
Perspectives and Portraits***

Rosalyn M. King, Ed.D.

*Northern Virginia Community College-Loudoun Campus
Sterling, VA*

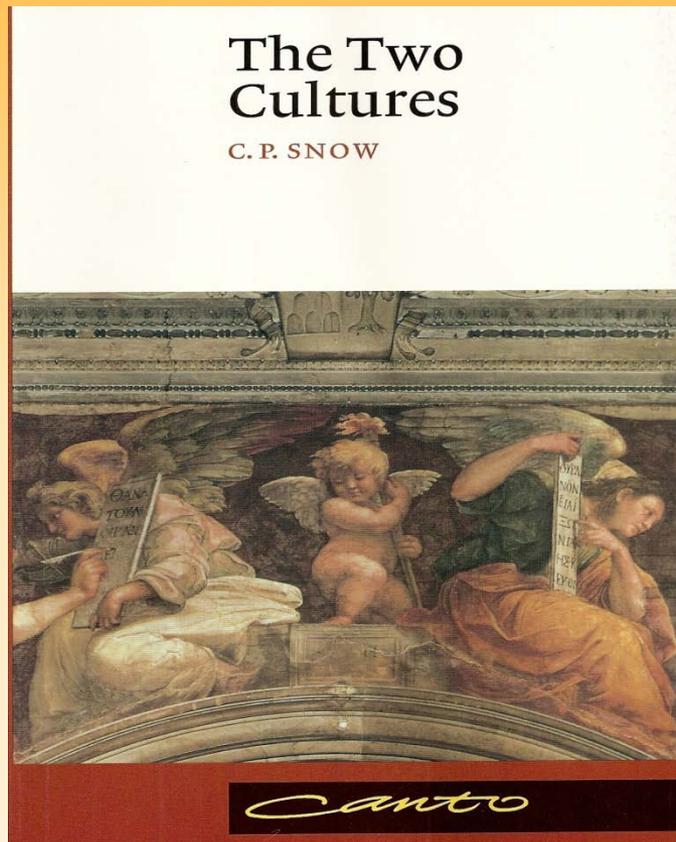


Overview

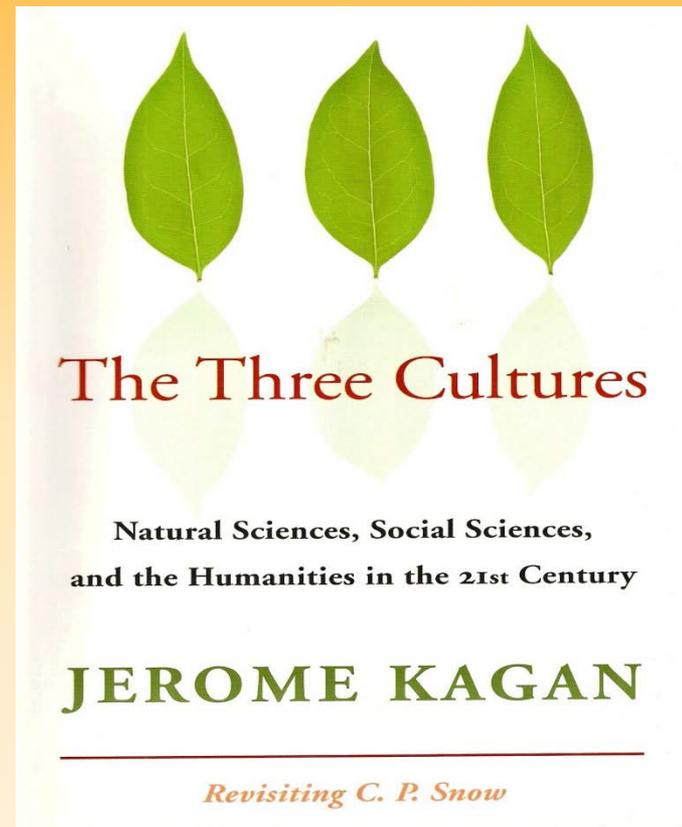
- **Three Cultures: Controversy and Tension**
 - **Psychology as a Separate Science**
 - **Recognition as a Science**
 - **Paradigm, Methodology and Scope**
 - **Historical Evolution**
 - **Perspectives, Schools and Subfields**
 - **Portraits of Scientists**
 - **Implications for the Future**

Two Cultures--Now Three

- **C. P. Snow**

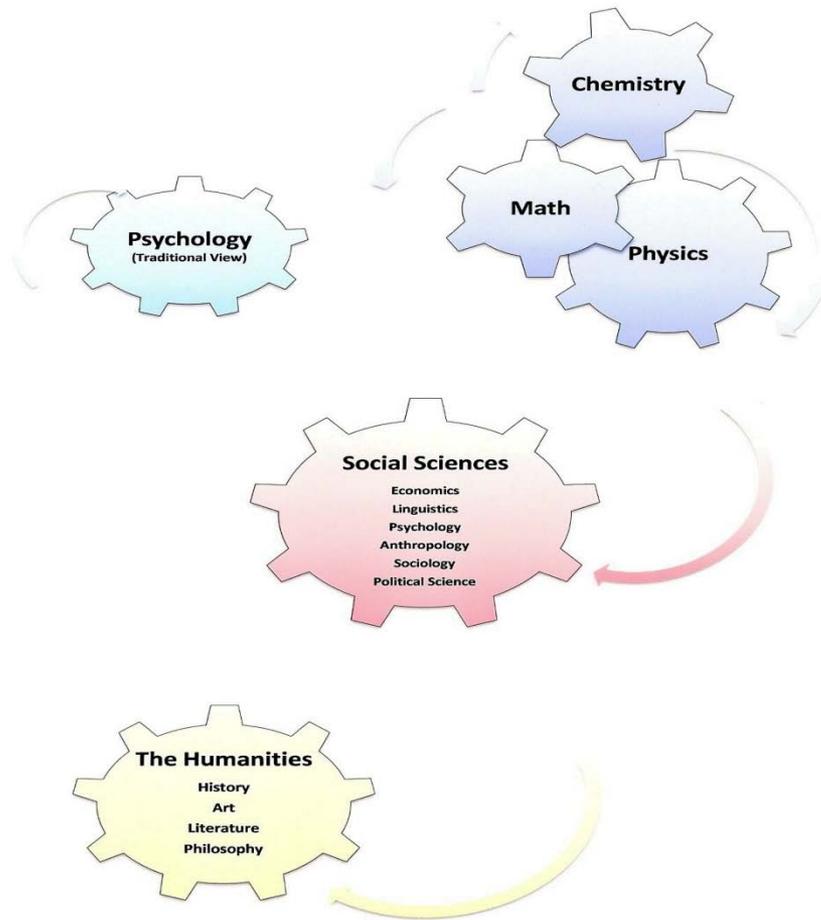


- **Jerome Kagan**



Hierarchy of the Three Cultures

Figure 1.1 Hierarchy of the Three Cultures



State of Psychology

- *Separate from the Cultures*
- *Regained Recognition as a Science*
- *Interdisciplinary and Global*
 - *A Collaborative Science*
 - *No Rigid Paradigm*
- *Multiple Methods and Approaches*



***Historical Evolution
and Interdisciplinary
Focus***

***And Contributions of Interdisciplinary
Scientists and Philosophers***

Historical Contributions to an Integrated Psychology

EARLY EGYPT TO RENAISSANCE

Figure 2.1 Historical Contributions to an Integrated Psychology



Historical Contributions to an Integrated Psychology

GREAT BRITAIN TO DARWIN

Figure 2.1 Historical Contributions to an Integrated Psychology

Great Britain: Empiricism, Associationism & Mechanism

- **Sir Isaac Newton**-Physics;Spectrum of Color from White Light-Sensation and Vision-British Empiricism-Physical Nature, Material Particles, Motion
- **Thomas Hobbes**-Political Philosophy-Human Nature-Social Conduct-Matter in Motion-Nervous System
- **John Locke**-Greek Rhetoric-Moral & Political Philosophy-Chemistry-Meterology-Medicine;Human Understanding-Elements of Mind
- **George Berkeley**-Theology-Math-Physics-Morals-Economics-Medicine;Mentalism,-Vision-Depth Perception
- **James Mills**-Theology, Economics, Journalism, History;Sensations & Ideas Primary to Mind
- **John Mills**-Philosophy-Economics-Political Science-Psychology;Mental Chemistry
- **Julien Offray de La Mettrie**-Fine Arts, Theology, Medicine;Natural History of the Soul

The Scottish Realists and The German Idealists

- **Thomas Reid**-Minister-Philosophy-Faculty Psychology;Faculty of the Soul-Faculties of Mind-Human Thought
- **Thomas Brown**-Philosophy-Literature-Medicine;Observations on the Zoonomia of Erasmus Darwin-Philosophy of the Human Mind
- **Immanuel Kant**-Philosophy;Reason and the Laws of Mental Functioning, Anthropology
- **Johann Herbart**-Philosophy;Defined Psychology as a Science based on Experience, Metaphysics and Mathematics-Interference in Learning
- **Kant and Herbart** contributed to psychology becoming a separate science from philosophy

Physiology, the Allied Sciences, Psychophysics and Experimental Psychology

- **Phrenology**-the science of character and morphology of the skull
- **Pierre Flourens**-Performed experiments on the functions of the brain.
- **Paul Broca**-Medicine-Physical Anthropology;Brain Impairments in Frontal Lobe of Brain-Speech Impairments-Aphasia
- **Herman Von Helmholtz**-Physics-Hydrodynamics-Electrodynamics-Meterological Physics; Neural Physiology-Theory of Color Vision
- **Gustav Fechner**-Physiology-Physics-Philosophy-Art; Psychophysics-Difference Threshold-Fechner's Law
- **Wilhelm Wundt**-Medicine-Physiology-Experimental Psychology; Introspection-Experimental Methodology-Philosophical Studies-Structuralism-Content Psychology

Darwinian Evolution and Psychology

- **Charles Darwin**-Medicine-Theology-Natural Science
- Published *On the Origin of Species; The Descent of Man and Selection in Relation to Sex; The Expression of the Emotions in Man and Animals.*
- Predicted new role for Psychology
- Influenced psychological thought and methodology
- Pioneered the field of Evolutionary Psychology
- Made impact on Biology, Physics, Philosophy, Religion, Linguistics and Literature, and Eugenics

Individual Differences and Measurement

- **Sir Francis Galton**-Anthropology-Heridity-Meterology
- Brought union between psychological methods of measurement and theory of evolution
- Psychology of Individual Differences
- Published *Hereditary Genius and Inquiries into Human Faculty and its Development*
- Developed Statistical Procedure of Correlation
- Originator of Mental Tests

Perspectives

Schools and Subfields Embracing Integrated Analyses

Evolutionary Psychology

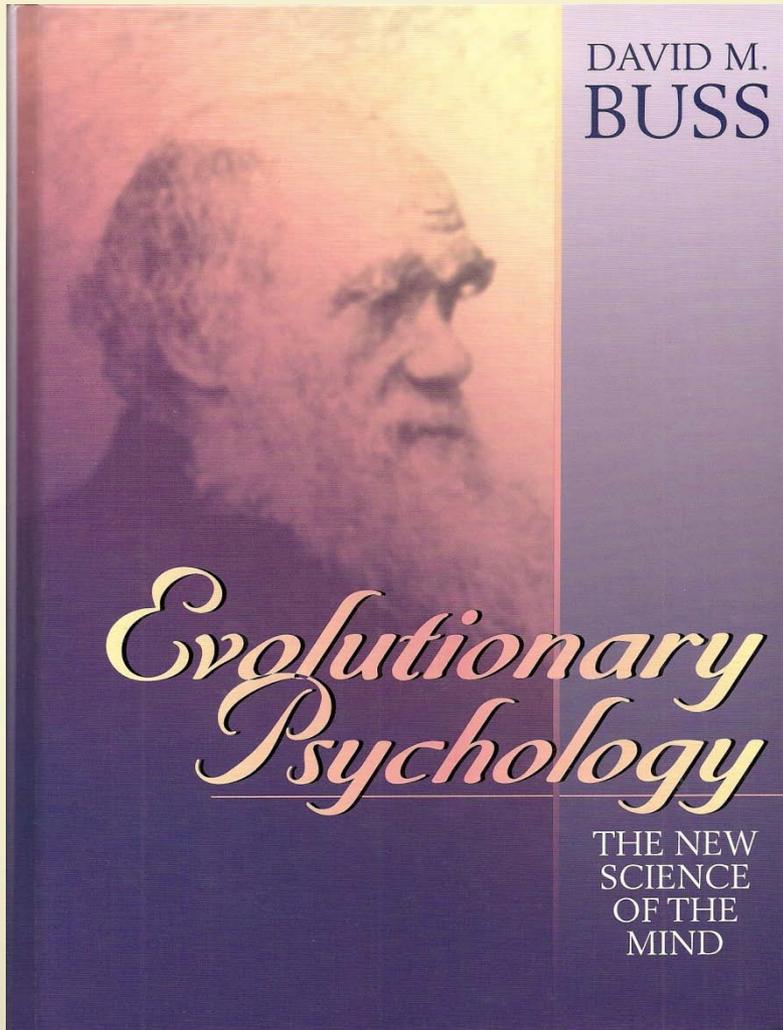
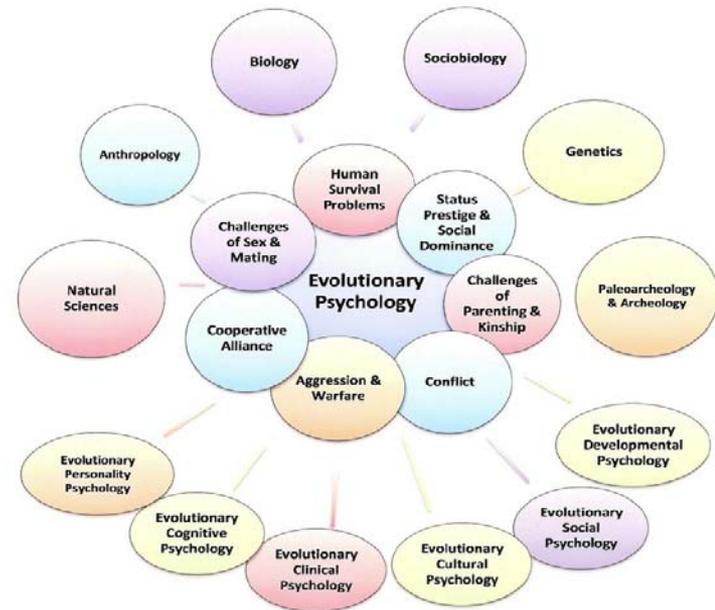
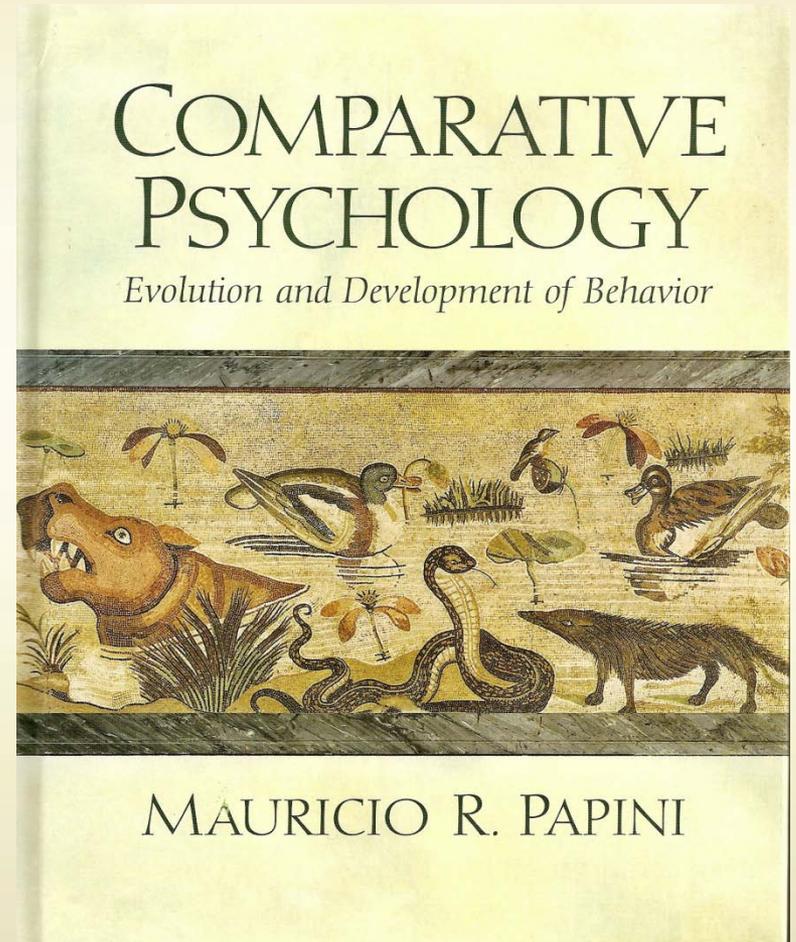
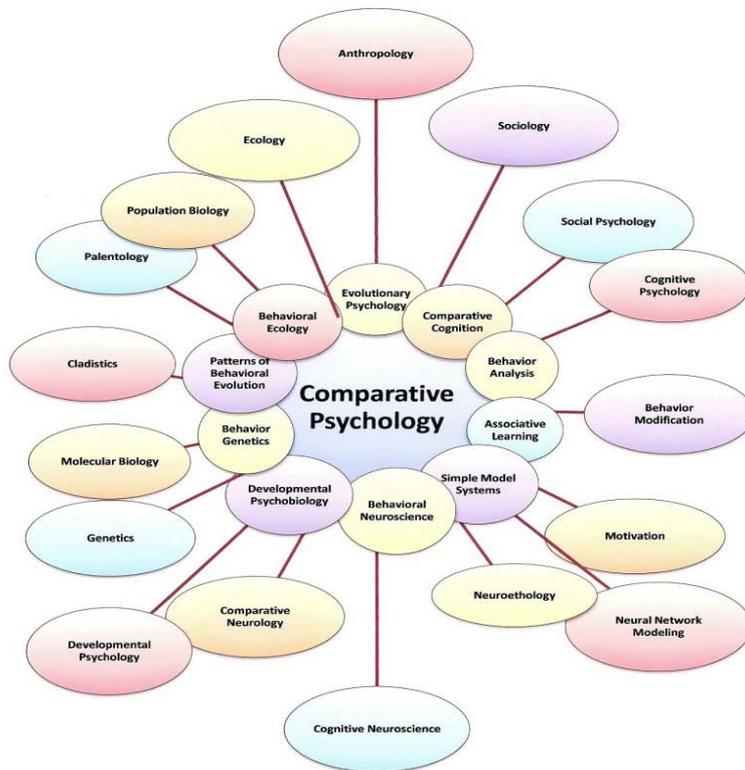


Figure 3.1 Evolutionary Psychology and its Interdisciplinary Focus



Comparative Psychology

Figure 3.2 Overview of Comparative Psychology



The Cognitive Sciences

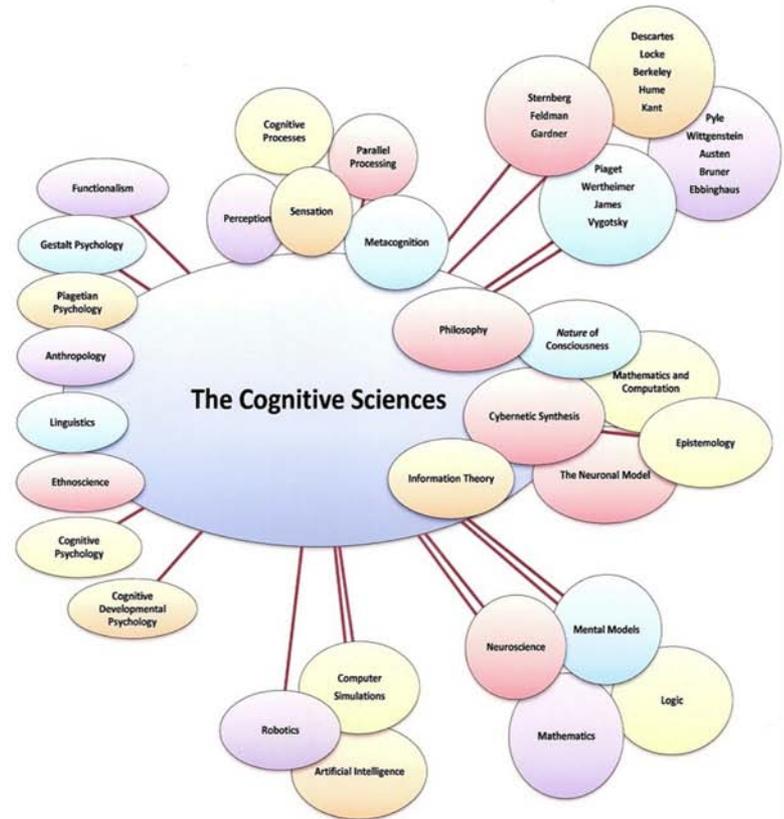
THE MIND'S NEW SCIENCE

A History of the Cognitive Revolution

◆ ◆
Howard Gardner

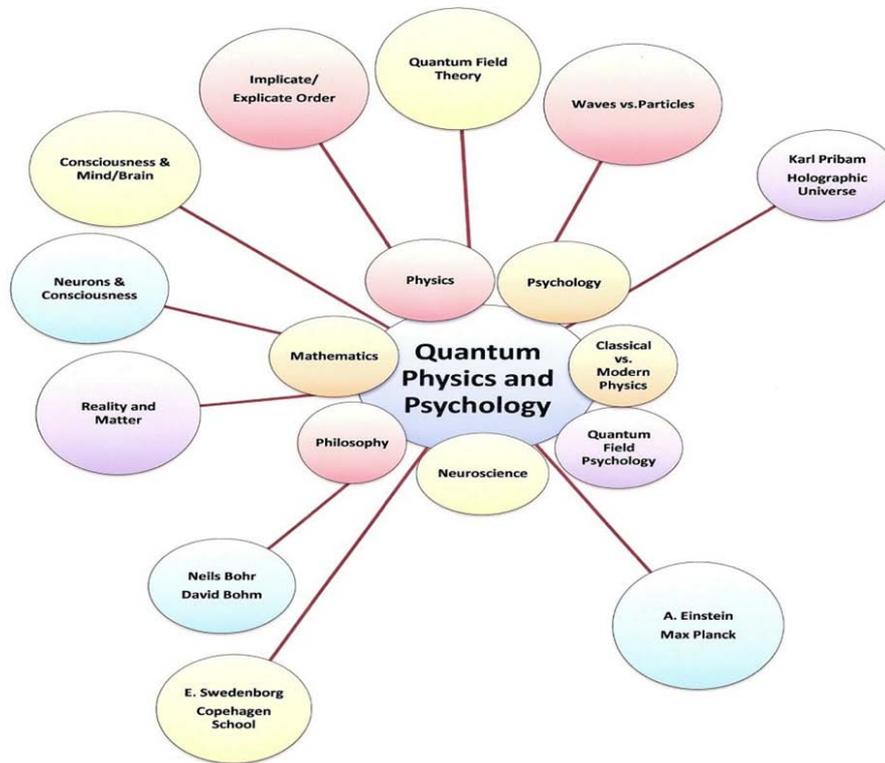
WITH A NEW EPILOGUE BY THE AUTHOR:
Cognitive Science After 1984

Figure 3.3 Overview of the Cognitive Sciences



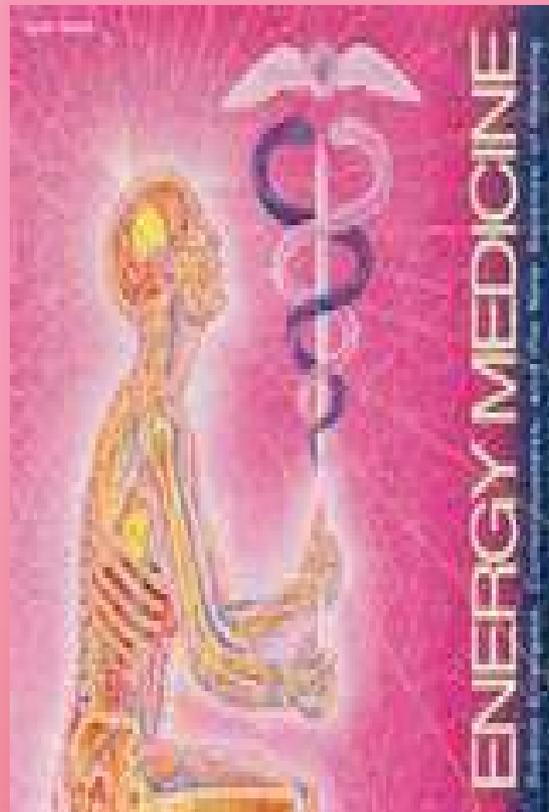
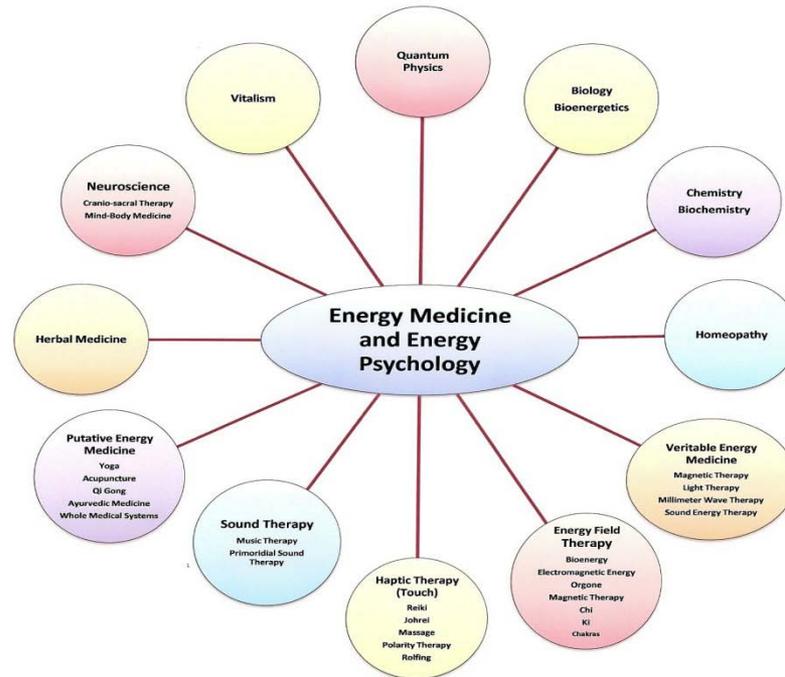
Quantum Physics

Figure 3.4 Overview of Quantum Physics and Quantum Psychology

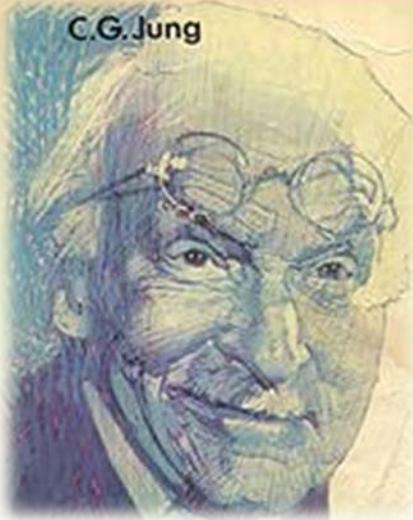


Energy Medicine

Figure 3.5 Overview of Energy Medicine and Energy Psychology

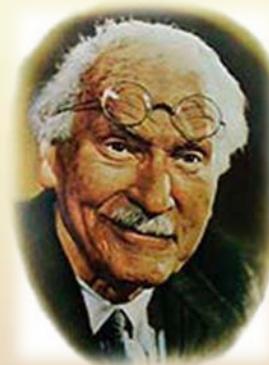


C.G. Jung

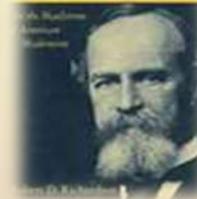


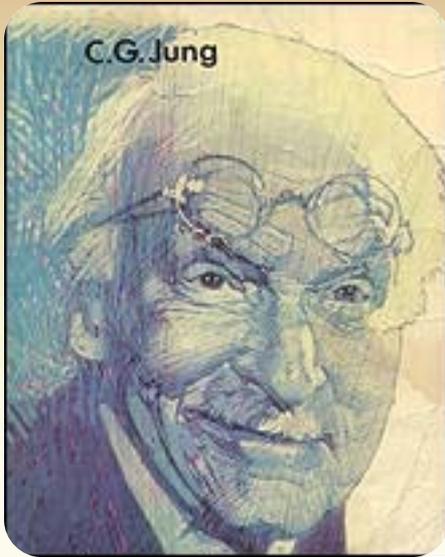
Portraits

Psychological Scientists Using Integrated Approaches



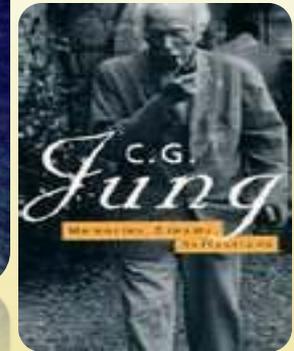
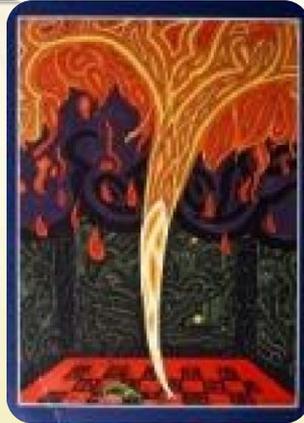
WILLIAM JAMES





Carl Jung

“A Healer of Souls and Culture”



Jung: An Integrated Psychology

Collected Works

- *Analytical Psychology*
- *Development of the Personality*
- *Psychiatric Studies*
- *Psychoanalysis*
- *Psychogenesis of Mental Disease*
- *Symbols of Transformation*
- *Psychological Types*
- *Experimental Researches*
- *Structure and Dynamics of the Psyche*

- *Aion: Researches into the Phenomenology of the Self*
- *The Spirit of Man, Art and Literature*
- *Psychology and Religion*
- *Psychology and Alchemy*
- *Alchemical Studies*
- *Mysterium Conjunctions*
- *The Symbolic Life*

Many other works

- *Man and his Symbols*
- *Modern Man in Search of a Soul*
- *Seven Sermons to the Dead*

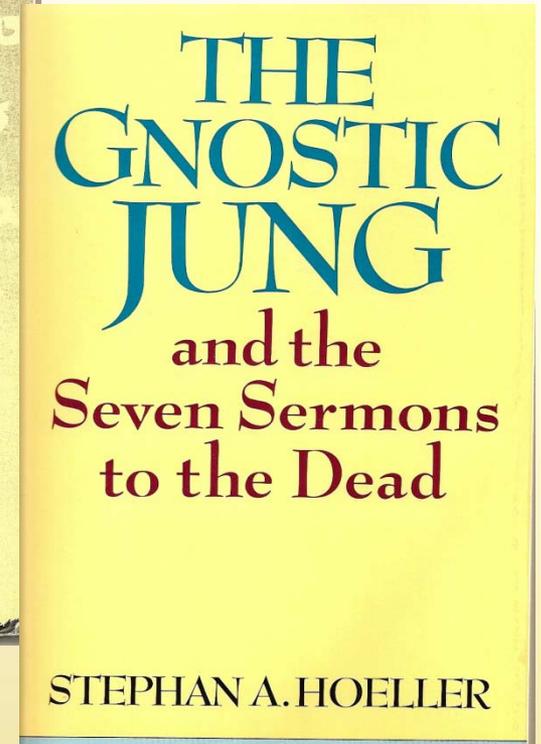
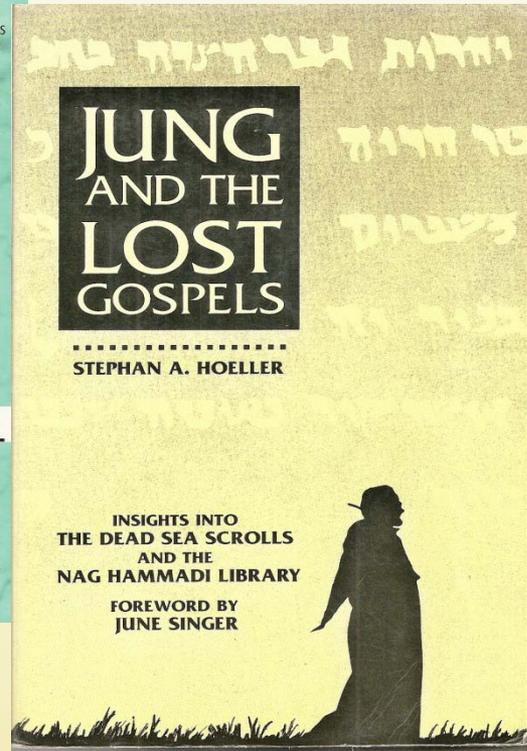
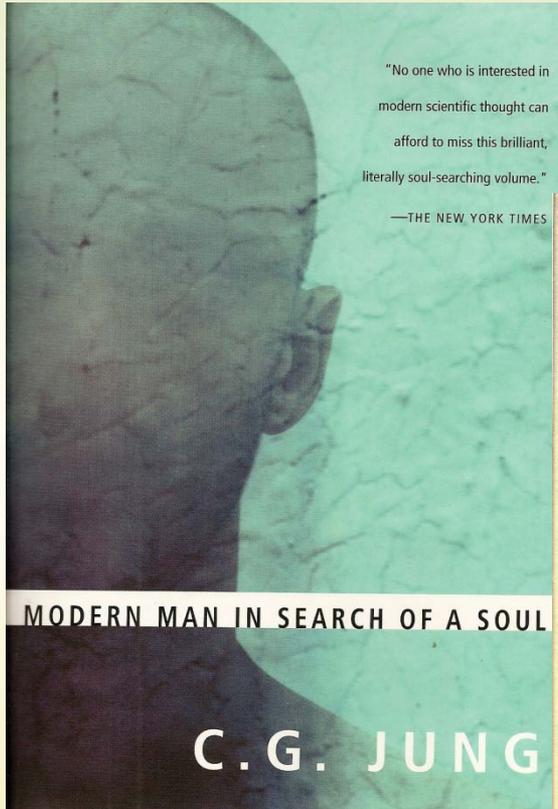
•GNOSTICISM

•THE OCCULT

•WORLD RELIGION

•THE NAG HAMMADI TEXTS

Jung & Religion

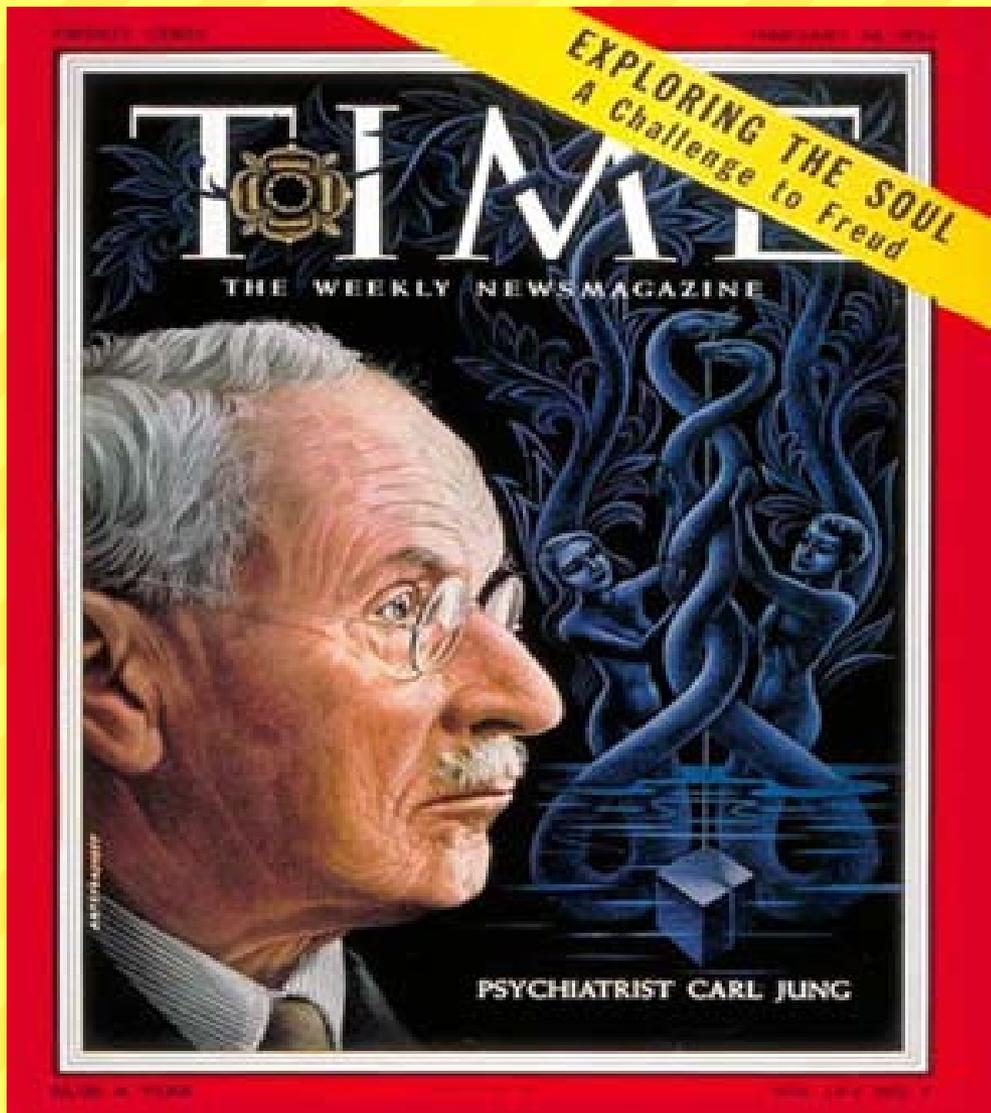


Jung & Alchemical Studies

- *Equated to the alchemical process and transformation that takes place in man's psyche and evolution.*



Mandala by Carl Jung- "The Alchemy of the Renewal"



“Artists, literary scholars and psychology will always have to turn to each other for help. Arts and literature convey the contents of consciousness.”

Jung on Art and Literature

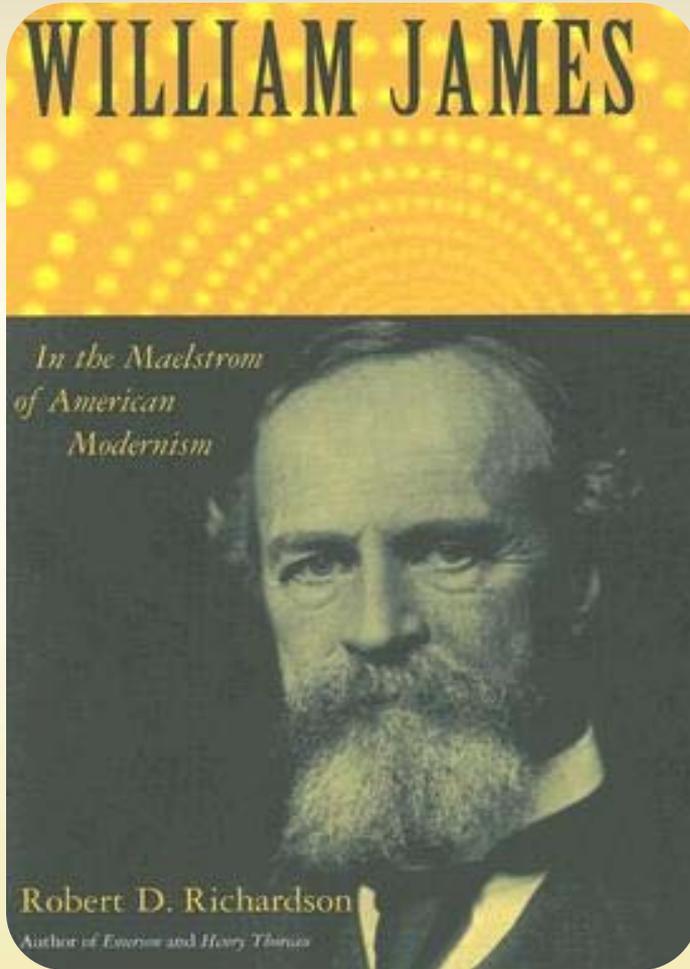


Mandala by Carl Jung

Time Cover: February 14, 1955-“Medicine: The Old Wise Man”

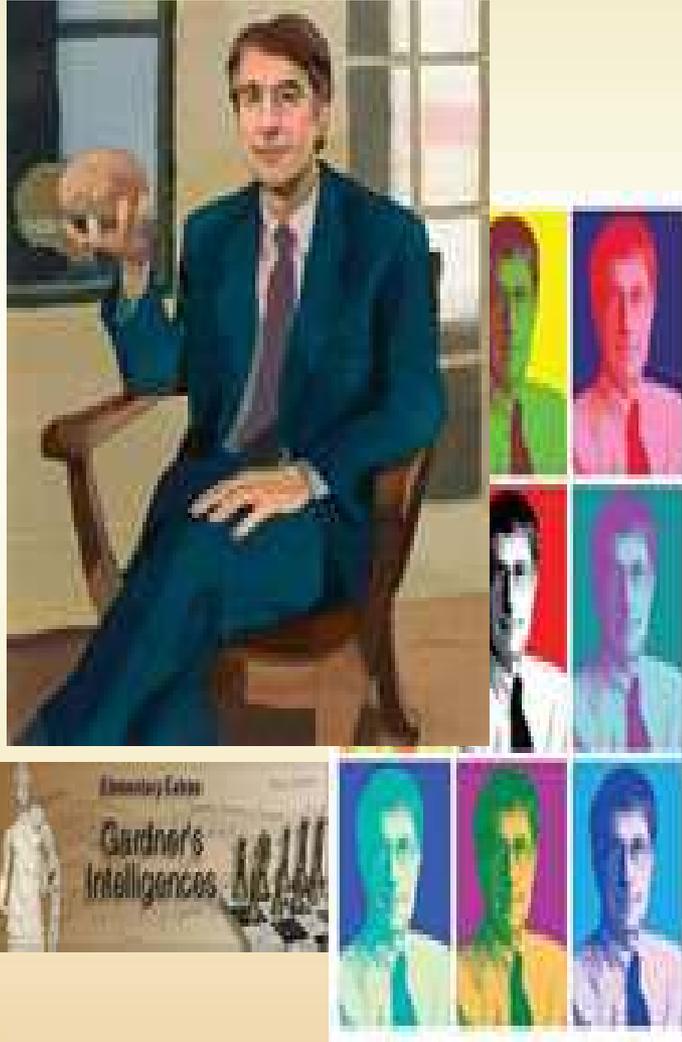
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William James



- *The Varieties of Religious Experience*
- *The Sick Soul*
- *The Healthy-Minded Soul*
- *The Theory of Emotion*

Howard Gardner



- *Theory of Multiple Intelligences*
- *Art, Mind & Brain*
- *Project Zero*
- *Good Work Project*
- *5 Minds for the Future*
- *Extraordinary Minds*
- *Ethical Responsibilities of Scientists*
- *Interdisciplinary Study*
- *Preparation for a Global World*

Future Directions

- ***Separate Science***
- ***Improved Methodologies***
 - ***Improved Technology***
- ***Multidisciplinary Teams***
 - ***New Training Mandates***
- ***Growing Careers and Demand***

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Mandalas: <http://www.dhushara.com/book/jung/jung2.htm>