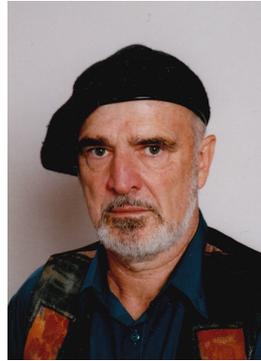


The Geometrical Dynamics of the 21st Century Renaissance

by
Professor Robert Pope
pope@science-art.com.au

24 May 2019



2009 Gold Medal Laureate
Telesio Galilei Academy of
Science, London

About the Author

In 1979 the Science Unit of Australian National Television documented Robert Pope's Science-Art theories into its international eight part series *The Scientists - Profiles of Discovery*. In that year UNESCO appointed him as a *Special Science-Art Delegate* to the World Summit Meeting on General Relativity at the International Centre for Theoretical Physics in Trieste. Following an optical physics consultation with China's highest awarded physicist, Kun Huang, Pope returned to Australia to set up the Science-Art Research Centre. It became the first scientific research institute in the world to measure the optical existence of the life-force as published in Italy's leading scientific Journal, *Il Nuovo Cimento*. This was later reprinted by the world's largest technological institute, IEEE in Washington, as an important optical mathematical discovery from 20th Century literature alongside such names as Louis Pasteur and Francis Crick. In 2009 Pope was awarded a Gold Medal Laureate by the Telesio Galilei Academy of Science, London, for transposing the optical mathematics into the emotional physics component belonging to Plato's asymmetrical human survival message within plane geometry. This discovery is compatible with the *Art in the Age of Asymmetry* proclamation by Dr Timothy Morton of Rice University in Texas¹.

.....

Science Neolithic times tribal science intelligence evolved by the development of weapons of survival in obedience to the *survival of the fittest* paradigm observable in nature. American politics is now reverting to unintelligent and insensible Plutocratic infighting where money is a weapon creating a dysfunctional information pandemic embracing the concept of global

warfare. Einstein inherited this tribal scientific worldview and together with his atomic science compatriots had no moral choice but to help build the atomic bomb before the inhuman Nazi regime enslaved civilization with it. However, DNA has revealed that all human tribes belong to a single species, therefore a species harming itself has a medical problem requiring a medical antidote.

The co-founder of the American National Cancer Research Foundation the Nobel Laureate in Medicine, Albert Szent-Györgyi, in his book *The Crazy Ape*, argues that although man “the more he progresses technologically, seems the more to regress psychologically and socially, until he resembles his [tribal] primate ancestors in a state of high schizophrenia” and “most of scientific research that is done to elevate human life serves in the end to destroy it”².

Szent-Györgyi, as a Doctor of Philosophy, was conversant with the medical aspects of the Science-Art theories of Plato. In his 1972 *Letter to Science*³, Szent-Györgyi wrote that the peer review system in modern science was inept. This was due to its ignorance of the scientific importance of ancient intuitive Platonic Science-Art discoveries. In conclusion he wrote “The problem is a most important one, especially now, as science grapples with one of nature’s mysteries, cancer, which may demand entirely new approaches”. During the 21st Century such approaches have resulted in an asymmetric science outlining the nature of the technologies of the antidote to the diseased tribal carcinogenic science.

Dr Warren Lidz at Bentley College’s Department of Philosophy and other philosophers have pointed out that, “Greek philosophy can be adequately understood only if one recognizes that it arose in conjunction with ancient medical theory, with which most educated Greeks were familiar”⁴.

The Golden Age of Athenian Democracy collapsed when Pericles died of the plague that decimated Athenian civilization during its war with the Spartans. It became a common feeling among most literate Greeks to intuit that political Greek tribal infighting constituted a serious medical problem. Plato established his Academy’s political medical science educational system 45 years after Pericles’ death in order to develop his intuitive artistic medical science. Its purpose was to create a science to guide ennobling government so that human civilization could avoid the extinctions that previous fossilized lifeforms experienced.

Plato’s medical educational structure was based upon the concept that *All is Geometry* embracing arithmetic, plane geometry, solid geometry, astronomy and harmonics. His science was lost to history because it used Anaxagoras’ infinite logic of fractal geometry mathematics⁵. Access to infinity was the sole prerogative belonging to supreme tribal deities of the world’s major religions, compelling them to fight each other to the death or enforce religious conversion upon the conquered. Even in the 21st Century many mathematicians believe that Benoit Mandelbrot invented infinite fractal geometry. His understanding of that geometry appears to deny civilization evolving away from chaos toward infinity. On the contrary Anaxagoras’ fractal logic concepts are now being acclaimed as a signpost to an infinite future betterment⁶ associated with a new understanding of emotional neurological physics devoid of fanatical persuasions.

Another problem associated with tribal science is its inability to reason about Plato's ethical geometrical Science-Art structure of thought-form reality as being innately electromagnetic. The body uses the atmosphere to stay alive and Plato's medical research into the magnetic properties of lodestone used the earth's electromagnetic biosphere to keep consciousness alive - to evolve away from chaos toward an infinite ethical order. This concept was fundamental to the workings of David Bohm's infinite living holographic universe that he tried, in vain, to explain to Einstein.

It is not difficult to demonstrate that Plato's concept of universal reality, though correct, could not apply to tribal science until the 21st Century. Einstein's worldview, whilst universally incorrect, was a natural aspect of tribal science's ingrained instinct for aggressive survival. The emotional transformation of science into a human survival worldview quite simply explains Szent-Györgyi's state of tribal science's "high schizophrenia".

Obtaining the antidote to this disease is not difficult. Both tribal science and human survival science are aspects of the process of human evolution. They can be entangled within a computer program governed by a new understanding of Science-Art first-cause principles controlling universal medical science dynamics. This living information can generate crucial human survival medical blueprint simulations. Plato's ethical geometry information is contained in the world's seashell fossil record and this was used to prove that it evolved to infinity. The computer program demonstrating this fact generated healthy futuristic seashell simulations, whereas quantum mechanical mathematics generated distorted, or carcinogenic, simulations⁷.

Such human survival blueprints will contain far greater financial investment opportunities for the betterment of the human condition than the prevailing diseased aggressive entropic weaponry worldview. Already the Western worldview upholding Descartes' philosophy of science and its tribal association with medical science is collapsing.

The 1981 Nobel Laureate in Physiology of Medicine, David Hubel, fully endorsed the neurologist, Antonio Damasio's book *Descartes' Error-Emotion, Reason and the Human Brain*. Damasio wrote that Descartes, commonly referred to as the father of modern philosophy, had adversely influenced medical science's development by motivating it with a deadly unstable psychopathic mentality⁸.

Electromagnetic fields upholding the living process rotate anticlockwise and are referred to as asymmetrical. Sterile mechanistic electromagnetic fields which rotate clockwise are symmetrical. On the 21st of March, 2013, the European Planck Space Observatory recorded in detail that the 'First Light' created in the universe was 'Asymmetrical'⁹.

During the Golden Age of Danish Science the mathematician philosophers, Immanuel Kant and Emmanuel Levinas, proclaimed that the asymmetrical electromagnetic field was evolving ethical wisdom within the creative artistic mind. In the book *Kantian Imperatives and Phenomenology's Original Forces*, this concept is expressed as "Thus [fractal logic] infinity is the proper dimension of ethics for Levinas, as it makes genuine [evolutionary] transcendence possible". Levinas emphasized that "With the infinity of alterity [other] comes

the *asymmetrical* relation of self”¹⁰. Levinas was correctly arguing that Kant’s research on this issue needed to show that their emotional asymmetrical field was an all powerful first-cause principle governing universal dynamics. This is compatible with the workings of David Bohm’s infinite holographic universe.

In 1857 Louis Pasteur published that the dynamics of the universe was controlled by living first-principle asymmetric electromagnetic mathematics¹¹. Pasteur was among those scientists who readily understood that Plato’s artistic geometrical electromagnetic thought-forms, upon coming into mind must instantly interact mathematically with the electromagnetic biosphere. Pasteur observed under his microscope that a living electromagnetic geometrical dot was obeying the mathematics of an electromagnetic field rotating anticlockwise, that is asymmetrically, in order to create living bacteria. He wrote from that observation that the universe is governed by asymmetric first-cause electromagnetic geometrical principles.

Contrary to Pasteur’s observation, in his paper *The role of symmetry in physics* the Nobel Laureate in Physics, David Gross, states that "Einstein’s great advance in 1905 was to put symmetry first, to regard the symmetry principle as the primary feature of nature that constrains the allowable dynamical laws”¹². This meant that Einstein believed that clockwise rotating electromagnetic fields governing symmetry principles “serve as the guiding principle in the search of further unification and progress”. The Planck Space Observatory proved Pasteur to have been correct and Einstein incorrect.

Kant and Levinas considered that Plato’s ethical asymmetric artistic mathematical wisdom was evolving away from primordial chaos and that pleasure from emotional symmetrical aesthetic beauty was associated with unethical behaviour. Dr Morton in his *Art in the Age of Asymmetry* states that Plato “imagines artistic inspiration as an electromagnetic field”. He refers to unethical mathematical information electromagnetic wave-fronts capable of inducing disease, as a “demonizing of art”¹. Mathematically designed gambling machines using electromagnetic sound and colour vibrations to induce heroin-like addictions leading to states of financial and moral bankruptcy completely validates Morton’s wave-front statement. He is certainly not alone with his contrasting of ethical asymmetrical artistic mathematics with diseased symmetrical physics mathematics.

In June 2018 the international journal of science, *Nature*, published *How the belief in beauty has triggered a crisis in physics*¹³. It refers to a paper entitled *Lost in Math: How Beauty Leads Physics Astray* recently written by the physicist Sabine Hossenfelder. She is a researcher into quantum gravity and modifications to the general theory of relativity at the Frankfurt Institute of Advanced Studies. Hossenfelder describes the ugliness of physics as being further contaminated with an unnatural compulsion to develop supersymmetry to keep Einstein’s illusion alive. She asserts that in modern science “we are losing our way in a mathematical jungle, however beautiful”.

The present aggressive money weaponry contains two tribal combatants, those who are committed to a confused form of symmetric aesthetic betterment outside of asymmetric mathematical wisdom and those that are promoting violence specifically for political power

and monetary greed. However, the very real enemy is *Global Climate Change*. The evolution of consciousness interacting with the evolution of the electromagnetic environment obeying first-principle universal dynamics is absolutely crucial human climate change survival information. That information will surely provide human survival technologies compatible with the existing relationship between climate change and human evolutionary survival.

Plato's spiritual electromagnetic Science-Art infinite geometric information theories within plane geometry involved an association with his system of education's electromagnetic harmonics. His emotional human survival information within plane geometry has been revealed to belong to holographic images of other dimensional realities embracing electromagnetic curvature mathematics. This subject is associated with new concepts about the functioning of time within a multi-dimensional universe. NASA research scientists, reasoning well beyond the limitations of tribal medical physics have calculated that the universe is a flat plane evolving to infinity¹⁴. It is now time for medical science to be upgraded by the proven ingenuity of the human mind to focus upon living asymmetrical physics instead of symmetrical aspects of quantum mechanistic reality.

During the 19th Century James Clerk Maxwell who linked together electricity, magnetism, and light as different manifestations of wave form phenomenon used asymmetric field physics well known to Kant, Levinas and Pasteur during the electromagnetic Golden Age of Danish Science. As a poet he attempted to argue that the Humanities should never be ruled by symmetrical mechanistic mathematical science. He was familiar with Plato's human survival ethical geometry hidden within plane geometry and its ability to reveal a visual perception of reality replacing mathematical theorems. This information is outlined in Plato's Meno dialogue (82b-85c). "In Plato's view, the role of the visual experience is to prompt the mind bringing certain truths to our awareness; from those truths we reach new geometrical knowledge by deductive reasoning".

The electrification of the United States of America was about the acquisition of great wealth and power in which Plato's asymmetrical mathematics was eliminated as a mathematical hindrance. Wealth controls the development of weapons for tribal warfare and its catastrophic symmetrical structure has been calculated as being some 25% more efficient for destruction than any creative asymmetric reasoning¹⁵.

Plato's message within the paper *How James Clerk Maxwell Rescued the Humanities in Verse*¹⁶ is with us today. It contains the following lines concerning the physics reality associated with the ethical emotional thought-form wave-fronts compatible to Dr Morton's *Art in the Age of Asymmetry*:

*Then gathers the wave of emotion, then noble feelings arise,
Till you all pass a resolution which takes every man by surprise.
Thus the pure elementary atom, the unit of mass and of thought,
By force of mere juxtaposition to life and sensation is brought:*

These lines of poetry, written in the 19th Century, express the ethical nature of David Bohm's holographic universe.

The artist Salvador Dali is recorded as having a profound interest in Platonic philosophy¹⁷ and was correct when he reasoned that Plato's artistic human survival geometrical message within plane geometry could be made visible as stereoscopic images within the surface of a painting.

Dali stereoscopic art museums in various countries require two paintings side by side to obtain vague glimpses of this holographic image information. However, as Kant predicted, the asymmetrical electromagnetic field within the creative artistic mind is evolving. Now in the 21st Century the holographic images in some rare paintings have evolved to depict far greater holographic information. When viewed through asymmetrical electromagnetic glasses these paintings most clearly reveal a panorama of other-dimensional realities containing crucial curved art-form information.

The movement of curved art forms through multi-dimensions is meaningful to neurological scientists investigating the function of Plato's ethical artistic mathematical thought-forms. The mind is now thought to generate torque force activity within the flat planes on the surface of the cerebrum in order to create chemical energy within the brain allowing for the transmission of coherent mechanical energy to guide bodily functions. The neurologists are considering how such information is transferred to the asymmetric Kantian-Levinas emotional expressions of consciousness evolving toward an intuitive infinity within the creative artistic mind.

As an artistic artefact replacing a da Vinci artistic artefact heralding mechanistic *Art in the Age of Einstein's Symmetric Worldview*, the visualization of Platonic artistic geometric first-cause information will play an important role for the betterment of the human condition.

In his paper 'Cybernetics And Society' Norbert Wiener, the Father of Cybernetics, insisted that living information entangled itself with the energies of chaos in defiance of Einstein's understanding of the Second Law of Thermodynamics. Wiener's *Progress in Physics* opposes the law of chaos and holds that an extremely small amount of living asymmetrical information energy, perhaps just information as a 'First Cause' principle, controls the dynamics of a living universe rather than the symmetrical laws of entropic extinction¹⁸. The artistic asymmetric artefact depicted below communicates its Platonic human survival information through visual public curiosity and its home within a stereoscopic tourist museum is its appropriate destination.

In conclusion, this particular artefact will be included within a selection of eminent stereoscopic paintings to be donated for public viewing if a permanent tourism venue for it can be established. Visual depiction through such an artefact is the medium by which Norbert Wiener's "extremely small quantities of energy, or perhaps even by no energy at all"¹⁸ can be conveyed to the general public in order to help evolve universal ethical emotional dynamics. Such a tourist curiosity would be a catalyst to generate future relevant cancer research funding, as outlined by the co-founder of the American National Cancer Research Foundation, Szent-Györgyi.



*Plato's holographic images within a painting by the author, Robert Pope.
When the painting is viewed through asymmetrical electromagnetic glasses the winged
serpent, which the artist is shown pointing at, is an art-form depicting a distinct curvature
through multi-dimensional planes. Slight movement by the viewer produces reciprocal
movement in the image. Some images will move in opposite directions at the same time.*

References

1. Morton, T. (2012) Art in the Age of Asymmetry. Eventual Aesthetics.
2. Szent-Györgyi A. (1970). The Crazy Ape. New York: Philosophical Library.
3. Szent-Gyorgyi A. (2 June 1972). Letters, Dionysians and Apollonians Science, Vol. 176, Issue 4038, pp. 966 [online] <http://science.sciencemag.org/content/176/4038/966.1> [accessed 15 April 2018].
4. Lidz, J. W. (1995). Medicine as Metaphor in Plato. The journal of Medicine and Philosophy 20 : 527-541. Kluwer Academic Publishers. Printed in the Netherlands.
5. Grujic P. V. (January 2001). The Concept of Fractal Cosmos: I. Anaxagoras' Cosmology. Serbia Astronomical Journal 163(163):21.
6. Baloyannis S. J. (2018) Anaxagoras on Mind. J Neurol Stroke 8(1): 00269. DOI: 10.15406/jnsk.2017.08.00269.
7. Illert, C. (1992). Foundations of Theoretical Conchology. Hadronic Journal Supplement ISBN 0-911767-54-1. See abstract.
8. Damasio, A. R. (1994). Descartes' Error - Emotion, Reason, and the Human Brain. Avon Books. New York.
9. NASA/ Jet Propulsion Laboratory, March 21, 2013, Best map ever made of universe's oldest light: Planck mission brings universe into sharp focus. ScienceDaily. Online world wide web url: <https://www.sciencedaily.com/releases/2013/03/130321084221.htm>
10. Wheeler C. R. (2008). Kantian Imperatives and Phenomenology's Original Forces. Volume 36 of Cultural heritage and contemporary change: Culture and values. The Council for Research in Values and Philosophy. p. 204.
11. Dubos, J. (1950) Louis Pasteur - Freelance of Science. Little, Brown and Company, Boston. p. 111.
12. Gross, D.J. (Dec 10, 1996) The role of symmetry in fundamental physics. Proceedings of the National Academy of Sciences of the United States of America. 93 (25) 14256-14259 [online] <http://www.pnas.org/content/93/25/14256> [accessed 10 September 2018].
13. Ananthaswamy. A. (June 2018) How the Belief in Beauty has Triggered a Crisis in Physics. Nature. Books and Arts. [online] <https://www.nature.com/articles/d41586-018-05374-9> [accessed August 2018].
14. NASA website. (2014) Will the Universe Expand Forever? National Aeronautics and Space Administration. [online] https://map.gsfc.nasa.gov/universe/uni_shape.html [accessed June 2018].
15. Wolak, F. A. (1994). An Economic Analysis of the Asymmetric Information Regulator-Utility Interaction. Annales Deconomie et de Statistique - No 34. p. 16. [online] <https://pdfs.semanticscholar.org/1898/22182b26e68d4851c102d884da2519af0e26.pdf> [accessed July 2018].
16. Evolution News and Science Today (September 1, 2012) How James Clerk Maxwell Rescued the Humanities in Verse [online] https://evolutionnews.org/2012/09/james_clerk_max/ [accessed 23 May 2019]
17. Ruiz. C. (2010) Salvador Dali and science. Beyond a mere curiosity. Salvador-dali.org [online] <https://www.salvador-dali.org/en/research/archives-en-ligne/download-documents/16/salvador-dali-and-science-beyond-a-mere-curiosity> [accessed March 2019].
18. Weiner N. (1954). The Human Use of Human Beings: Cybernetics and Society. Houghton Mifflin, University of Michigan. p. 38.