

# The Ethical-Artistic Progress of Physics

29 May, 2018

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## Abstract

Szent-Gyorgyi, the Co-founder of the American National Foundation for Cancer Research and the Nobel Laureate in medicine, addressed the youth of the day in his 1970 publication, *The Crazy Ape*. He questioned why a science that professes to elevate human life ultimately appears to destroy it. The duality of his message was one of warning as well as one of positivity releasing a solution to enable the young and ultimately all people of the world to free themselves from a disease inherited from our simian ancestors. This disease manifests through carcinogenic science which obeys the survival of the fittest paradigm observable in nature. In 1978, UNESCO proclaimed that all humans belonged to a single species. It is

apparent that this species which appears intent on harming itself by developing weapons of mass destruction is infected by that carcinogenic science governed by the mechanistic Second Law of Thermodynamics which demands the extinction of all life in the universe. This paper demonstrates the contamination of modern science by religious concepts from antiquity. The antidote to this diseased situation is provided through the explanation of ancient philosophy concerned with both mechanistic and biological concepts of reality. This artistic science embraces the idea of a holographic three-dimensional living universe evolving to infinity rather than to extinction.

## **The Ethical-Artistic Progress of Physics**

Archaeological evidence shows that before humans developed communication via the ability to read and write as per today's Western perspective, some tribes revered their warrior dead by burying them with artistically-wrought weaponry such as ornately decorated swords belonging to ancient Celtic warrior heroes. This tradition asserts that they were intuitively linking the art of war with an afterlife existence. When the age of communication via reading and writing literacy as interpreted by modern Western society dawned, we know that artistic mausoleums such as at Halicarnassus, which is considered a wonder of the ancient world, were being constructed to pay homage to that ancient ideology, and that same practice occurs today in the construction of monuments and cenotaphs dedicated to soldiers who gave their lives in war. Within ancient concepts of science are found specific attempts being made to explore intuitive concepts of artistic immortality through the development of mathematics, for example Plato's ethical artistic mathematics.

Compliance to the 1978 UNESCO Declaration on Race and Racial Prejudice, which states that "all humans belong to one species" (1) is over-ridden by tribal religious adulation of the heroic art of war sentiments demonstrated through ancient tribes' linking of warrior perspectives and the afterlife. From this perspective the human species' ongoing compulsion to venerate harming itself belongs to some artistic neurological disorder which emanated from tribal war and afterlife perspectives. This disorder requires a medical antidote.

The emotion to artistically glorify war was a fundamental necessity allowing tribes to evolve survival intellect. The art of war and invention of weaponry involved mathematical logic which during the 20th Century became morally obsolete when applied to the survival of the human species. From a quantum biology medical view point the resulting neurological disorder is a form of artistically motivated schizophrenia diagnosed during the 20th Century by Nobel Laureate in Medicine, Albert Szent-Gyorgyi as a carcinogenic disorder involving tribal perception of both art and mathematics (2). The crucial antidote appears to be the unification of quantum mechanics artistic aesthetics and entropic mathematics with quantum biological artistic wisdom, in addition to infinity mathematics.

During the 20th Century access to mathematical infinity beyond Einstein's theories of reality was obtained. Prevailing *tribal science* prevents the use of computer technology being used to gain any form of biological access to that infinity due to Einstein's *tribal science* worldview which is completely governed by the Second Law of Thermodynamics. That law states that it is inevitable that the energies of *Chaos emerging from the Dark Abyss* will bring all life in the universe to extinction. Therefore, at present, from a Western science point of view it becomes scientifically irrational to argue otherwise. However, it is most important to realize that the philosophical nature of any logic belonging to the antidote to this problem would be considered to be both artistically and mathematically ethical.

Although Einstein appeared to be a compassionate person, as a realist he had no option but to develop the laws governing his *tribal science's* obedience to the survival of the fittest law observable in nature. Whilst today that *tribal science* is no longer morally acceptable due to its diseased condition, during Einstein's time his science can be considered to be fulfilling its natural purpose. The argument that infinity is an impossible concept may or may not be correct. Infinite mathematical information appears to belong to the workings of an infinite fractal holographic universe. If humans as a species can manage to link the ethical artistic mathematics to the millions of years associated with non-entropic cosmological evolutionary process, then an ethical global scientific process will surely have come into existence.

Both *tribal science* and a human survival science can be considered to be part of the human evolutionary process. When entangled together mathematically within a computer program governed by antidote logic then obtaining human survival blueprints simulations is feasible. *This general research methodology has led to the discovery of the life-force governing seashell growth and development.* The Science-Art Research Centre in Australia during the 1980s used aspects of Plato's and his colleague Archytas' infinite, ethical, living mathematics to program a computer to generate simulations of 50 million years of seashell growth and development. Archytas is recognized for providing the most convincing cosmological reasoning from ancient philosophy concerning the infinity of space (3). The simulations matched exactly to the seashell evolutionary geometry recorded in the world's fossil record. In 1990 the world's largest technological research institute, The Institute of Electrical and Electronics Engineers (IEEE), in Washington reprinted this evolutionary discovery as an important optical discovery from the world literature, placing it alongside such names as Louis Pasteur and Francis Crick (4). In 1995, the President of the Institute for Basic Research in America in collaboration with the Science-Art Centre transposed the mathematics into a physics format. As it was found that the use of quantum mathematics belonging to Einstein's entropic worldview could only generate distorted images of seashell simulations, it was considered that such mathematics was of a carcinogenic nature (5).

The existence of the seashell geometrical designs within the fossil record provided authentication that the computer simulations belonged to a true biological phenomenon functioning in defiance of second law logic. The next step is to derive a similar human species survival program. During the 19th Century Ralph Waldo Emerson considered that the American economic system had plunged the American people into perpetual debt enslavement. He argued that new healthy infinite technologies lay hidden within the structure of Vedic mathematics that was interconnected with a spiritual (electromagnetic) ethical artistic intuition. The upgrading of the mathematical computer programming for the human species would be complex but nonetheless is conceivable.

An investigation into the artistic theories of the Science-Artist Michelle Agius appears to give credence to Emerson's concept of a fractal universe in which, "Every particular in nature, a leaf, a drop, a crystal, a moment of time is related to the whole, and partakes of the perfection of the whole. Each particle is a microcosm, and faithfully renders the likeness of the world" (6). Agius' computer-generated art work based upon fundamental Vedic infinite fractal mathematical First Cause principles is creating bio-form simulations exhibiting very similar geometrical structures to photos of human genome cell crystals (29). If her simulations were programmed into a computer to obtain biological matches then the life-force discovery for seashell evolution would be extended to include the human survival blueprint.

In his document titled, *Black Sea Abyss: Chaos and Writing in Ancient Mesopotamia*, David Prescott-Steed poses the question asking if the ancient Sumerian origins of Chaos emerging from the Dark Abyss as is recorded in the Eridu Genesis, continues to influence modern science (7). In considering that question, Einstein's concept of the energies of chaos emerging from the cosmological Dark Abyss

that now governs every aspect of modern Western science in the form of the Second Law of Thermodynamics must be deliberated. As Einstein's worldview reflects aspects of the Sumerian Genesis and later Babylonian, Hebraic, Christian and Islamic scriptures referring to *Chaos emerging from the Dark Abyss* in association with the Great Flood, the answer to Steed's question can be a resounding, yes!

Steed's reference to the geological and archaeological evidence concerning the chaos of destruction of an ancient Sumerian civilization in Mesopotamia caused by the Great Flood refers to a Sumerian civilization living on the floor of what is now the Black Sea bordered by Turkey, Bulgaria, Romania, Ukraine, Russia and Georgia. Circa 5,500 BC melting mountains of ice from the last Ice Age began to raise sea levels, which collapsed the Bosphorus Strait allowing the Mediterranean Sea to flood over the Sumerian civilization nestled on the low lying dry fertile plains between the Tigris and Euphrates rivers (8). His description of this submerged civilization was made possible by remote-controlled submersible cameras and analytic equipment which revealed that at the bottom of the Black Sea an extremely high content of hydrogen sulphide existed. As a result of this, the remains of a collapsed stone-age civilization including hand-hewn beams of wood were photographed in a pristine state of existence (7).

Archaeological evidence showed that the Sumerians built boats and were trading in pitch and bitumen used to waterproof vessels made of reed, papyrus and wood. Ancient artefacts revealed that they had domesticated livestock. Around 450 BC Herodotus, referred to as the *Father of History* by Cicero for his commitment to recording factual observations (9), visited the city of Babylon and recorded the use of Kuphars, a round boat still in existence today similar to a Welsh or Irish coracle. He described the largest of them as vessels carrying livestock brought downstream from Armenia to Babylon. Being unable to return upstream they were dismantled (10). These vessels were made waterproof by the use of pitch and bitumen (11) keeping them afloat during the several hundred-kilometre voyage from Armenia to Babylon. It is important to note that these floating vessels were not able to be used for rough sea oceanic travel. By watching for many years the sea level rising due to the melting of the Ice Age, the ancient Sumerians recognized that eventually they would be trapped within encircling high mountain ranges and therefore had no other choice but to build very large livestock-carrying Kuphars, or Arks by another name.

The survival of any one of these Arks after the Great Flood would be enough to engender future legends about chaos emerging from an underground watery Dark Abyss. They assumed that the rising water belonged to an underworld inhabited by angry warring gods punishing humans for being too noisy as was recorded in the Sumerian Eridu Genesis (7). We now have grounds to suspect that this legend about the Great Flood has been contaminated historically. By further examining the development of science from those legends we can make reasonable deductions about how that contaminated mythology continues to influence modern science.

Current controversy surrounds an ancient 4000-year-old cuneiform clay tablet at the British Museum containing instructions of how to build a giant Kuphar. A film was made of a 35-ton miniature scale model based upon the information about constructing this giant circular Ark which when launched was kept afloat by a pump sending water leaking into it overboard into the sea (12). However, it is not difficult to realize that Sumerian boat-builders, able to waterproof huge Kuphar vessels for floating from Armenia to Babylon, would have been expert at waterproofing them.

The ancient Sumerian civilization developed an intuitive astrological mathematical science from observing planetary movement, a concept which can be related to the same instinct seen in how spiders generate the complex construction of webs. Spiders know nothing about the complex manufacturing process involved in creating such engineering phenomena indicating that the

acquisition of such information is part of a cosmic evolutionary process. Likewise, the ancient Sumerians' development of an astrological mathematical science from planetary movement observation appears to result from an intuitive aspect of the cosmic evolutionary process. The discipline of science is obliged to include such biological observations when investigating the evolution of scientific thinking thus enabling comprehensive science literacy which is the ability to attain meaning by understanding of the grammar of science and how science works as a multimodal communication device. The communication of scientific meanings includes acknowledging and coming to know cosmic evolutionary processes which integrate science with mathematics, engineering, technology, and art. These cosmic communications form an integral part of the language of science and obtaining true meanings from them equates to being literate in science, that is, achieving scientific literacy.

The idea of biological evolution of information from the environment and the expression of it back into the environment is an important issue warranting scientific investigation. For example, the Sumerian invention of space-time as consisting of seven day weeks and 24 hour days with each hour containing 60 minutes associated with their invention of direction, that is the allocation of 360 degrees of arc to a circle, was destined to become a fundamental aspect of the modern day exploration of galaxies spread throughout the universe (13). The influence of the *Chaos emerging from the Dark Abyss* credo might then surely embrace futuristic technologies beyond the limitations of prevailing science.

Einstein was influenced by the Babylonian development of Sumerian mathematics which was used to accurately predict eclipses. The Preface of the book *From Eudoxus to Einstein: A History of Mathematical Astronomy* (14) describes the theories of planetary motion that have been developed through the ages. "From the homocentric spheres of Eudoxus to Einstein's general theory of relativity" ... to "It emphasizes the interaction between progress in astronomy and in mathematics, demonstrating how the two have been inextricably linked since Babylonian times".

The Nobel Laureate in Medicine, Albert Szent-Gyorgyi's associating *tribal science* to a schizophrenic emotional thought process is not difficult to explain. The evolution of human emotional tribal intellect in part was to obey the survival of the fittest paradigm observable in nature. In ancient Mesopotamia the Sumerian culture worshipped Inanna, the goddess of sex and war, followed by the Babylonian culture worshipping Ishtar, the goddess of prostitution and war. The suppression of human-caring emotional reality that is needed for the frenetic emotional excitement of committing horrific atrocities is comparable to the activities within the Roman Colosseum. These activities considered to represent the 'mathematical' epitome of Greek art, illustrate the tribal emotional schizophrenia to which Szent-Gyorgyi referred.

Einstein's concept of *Chaos emerging from the Cosmic Dark Abyss* in the form of the Second Law of Thermodynamics is associated with Babylonian mathematical logic and can be considered to be associated with a Neolithic emotional necessity to engage in war. The Molecular Biologist, C P Snow during his 1959 Science-Art Rede Lecture at Cambridge University spoke disparagingly about science being governed by the "Neolithic" edifice of modern *tribal science* worshipping the compulsory chaos demanded by the Second Law of Thermodynamics. He wrote "So the great edifice of modern physics goes up, and the majority of the cleverest people in the western world have about as much insight into it as their Neolithic ancestors" (15).

Szent-Gyorgyi in his 1972 'Letter to Science' condemned the traditional homage to unethical artistic mathematical logic as being illogical and incoherent. He considered that "artistic intuition can be considered to be subconscious scientific reasoning, which can result in a sensible, conscious comprehension". He compared 'tribal' scientific reasoning with ethical artistic wisdom in the

conclusion of his letter to science. His final paragraph states “The problem is a most important one, especially now, as science grapples with one of nature's mysteries, that is, cancer, which may demand entirely new approaches” (16).

This argument suggests that further investigation into Plato’s ethical mathematics might well be relevant to future cancer research. Ancient Mesopotamian mathematics can be shown to embrace a harmful mathematical intent which can be contrasted with aspects of Plato’s ethical artistic mathematical wisdom. The difference should provide grounds for Szent-Gyorgyi’s consideration that the prevailing artistic understanding of the Second Law of Thermodynamics is carcinogenic by nature. By locating unethical mathematical and artistic purpose in Neolithic times we can follow its progress into modern civilization in order to grasp its spiritual geometrical opposite in accordance to Plato’s axiom that “All is Geometry”. Therein the fundamental nature of cancer might be apparent and from such information the antidote to it can become understandable.

The Sumerian astrological calendar mathematics was upgraded by the Babylonian civilization to enable its priests to calculate the exact time of eclipses. Such mathematical information was used to promote an early form of terrorism. A clay tablet exists written by a priest to the King of Babylon predicting the 673BC lunar eclipse advising him that the gods wanted the King to terrorize the population into seeking solace by waging war with a sexual passion inspired by the worship of their goddess of prostitution and war, Ishtar (17).

A modern day example of mathematical-artistic aesthetics being used to generate unethical emotional harm is when entropic mathematics is programmed into a poker machine, potentially leading to moral and financial bankruptcy. The machines use aesthetically stimulating electromagnetic sound and colour vibrations to induce heroin-like illusory addictions in order to achieve their financial objective, a percentage of which is transferred into governmental revenue. Tribal plutocracies can be observed using similar global stock-market stratagems to wage economic conflict with rival plutocracies under the camouflage of illusory democratic, moralistic sentiments. That activity is in contempt of the 1978 UNESCO proclamation that all humans are one species.

Plato considering that ‘All is Geometry’ wrote about the existence of geometric thought forms. He held that both unethical and ethical artistic emotional thought was influenced by the naturally occurring magnetic properties belonging to lodestone. Be this as it may, Plato is most definitely ascribing electromagnetic geometrical structure to his thought forms. The philosophers of science, Immanuel Kant and Emmanuel Levinas, agreed that Plato’s ethical spiritual electromagnetic thought forms formed the basic structure that Kant had used for the foundations of his electromagnetic Golden Age of Danish Science.

Both philosophers accepted that an unethical thought form was an aesthetically-pleasing symmetrical shape lacking in any ethical spiritual value. On the other hand, an ethical thought form had an unbalanced asymmetrical shape that was essential for the evolution of artistic wisdom. This philosophical reasoning was such a complicated issue that Levinas criticized the precise definition of Kant’s functioning of Plato’s electromagnetic asymmetrical ethical thought forms. In the book *Kantian Imperatives and Phenomenology’s Original Forces*, this criticism is expressed as: “Thus infinity is the proper dimension of ethics for Levinas, as it makes genuine [evolutionary] transcendence possible. With the infinity of alterity comes the asymmetrical relation of self...” (18).

Countless volumes of tiresome convoluted philosophical ramblings have been written over this issue. They can be reduced to a far simpler understanding that completely collapses the structure of modern science. The association of an ethical asymmetrical electromagnetic thought process with concepts of *infinity* can be given an uncomplicated geometrical clarification which is beyond what Einstein was

able to reason.

Plato's axiom that 'All is Geometry' includes a basic geometric starting point. In Einstein's mathematical world-view a point is a dot having no size, that is, no width, no length and no depth, in all of the common definitions, a point is zero-dimensional (19) and as such cannot be affected by the environment. On the contrary, immediately a living Platonic electromagnetic asymmetrical thought form point comes into existence it is immediately acted upon by the forces existing within the world's electromagnetic environment. This means that a *tribal science* geometrical point cannot be affected by its environment and of course, in the parlance of quantum mechanics, it has no possible living emotional meaning whatsoever.

On the other hand, our knowledge of the mathematical difference between asymmetrical and symmetrical forces allows us to calculate the exact effect that Plato's electromagnetic point thought form would take concerning First Cause principles in the living process. In 1857, Louis Pasteur from his microscopic examination of life being created observed that phenomenon and wrote "Life, as manifested to us is a function of the asymmetry of the universe and of the consequences it produces. The universe is asymmetrical ... Even the movement of solar light is asymmetrical" (20).

Contrary to Pasteur's asymmetrical universe, the Proceedings of the National Academy of Science of the United States of America in 1996 endorsed the role of symmetry in fundamental physics by publishing the statement "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" (21). From the mathematical perspective of Plato's electromagnetic thought form reality, Einstein's First Cause principles are meaningless. The matter was resolved in 2013 when the European Space Agency's Planck Observatory mapped the existence of the First Light created in the universe revealing it was asymmetrical in nature. Pasteur was right and Einstein was wrong. Once asymmetrical light was created all the First Cause dynamics of physical and biological reality that followed were created in its image rather than in Einstein's symmetrical First Cause.

In his published copies of his 28th Query Discussions, Isaac Newton argued that the mass of objects in space was certainly not the First Cause of gravitational force. He wrote that hypotheses to the contrary were pretentious and illogical and the authority to proclaim the correct First Cause principle of reality originated from ancient Greek science (22). Whether Newton was right or wrong is not the issue. Quantum mechanics has been based upon the false assumption that Newton believed that the mass of objects in space was the First Cause principle creating gravitational force. Most scientists in the world refer to the Newtonian world-view in complete ignorance of this most crucial information. Millions of school children have been introduced to the nonsense childish story about an apple falling onto Newton's head to explain gravitational force.

The concept of Plato's difference between ethical and unethical artistic electromagnetic thought forms can now be explained from the new mathematical perspective belonging to Kant's and Levinas' concept of an asymmetrical electromagnetic field evolving within the creative artistic mind. The Chair in English at Rice University in Texas, Professor Timothy Morton, argued that Plato's description of an electromagnetic symmetrical force demonizing aesthetic thinking does exist and affects human emotions along with an evolving asymmetrical, balancing ethical wisdom (23). Morton theorized that these forces are associated with the effects of cosmic wave fronts in time space literally evolving an artistic awareness of a creative universal reality as part of the functioning of a holographic universe.

The mathematician, David Hilbert, working with Einstein argued over the difference between asymmetrical and symmetrical electromagnetic fields, supporting the mathematician Cantor's heretical, asymmetrical ideas despite Einstein's objections. A high-resolution picture of the human

cell poised to divide into replica cells reveals that its geometrical construction belongs to an electromagnetic fractal field comparable to the workings of an infinite fractal universe. In his paper, *The Infinite Fractal Universe* Robert Oldershaw refers to the scientist Carl Sagan as proposing the existence of an infinite fractal universe (24). Given that the ancient Greeks' intuitive understanding of atomic participation within the cosmos was different to how we view it today, a rudimentary antidote to the carcinogenic Second Law of Thermodynamics alignment with the *tribal science* mentality was able to be compiled successfully.

The Science-Art Research Centre of Australia in liaison with quantum biologists associated with the University of Pavia in Italy and the International Quantum Art Movement presented their *Antidote and Human Survival theories* and artwork in Rome. When it was again presented at the 2016 *Russian week international contemporary art competition in Moscow* it won a First Prize. In 2017, the World Fund for Arts in Russia in association with the Quantum Art Movement established a Science-Art Research Project to develop the artistic human survival information technology. In 2018, artists from 20 different countries were involved with the project's *Antidote and Human Survival Art Exhibition*. The focus of Science-Art research is now about linking the rudimentary antidote information to concepts of new survival technology. These major benefits to global society will replace the failed 1955 Russell-Einstein Manifesto Proclamation which attempted to nullify nuclear weaponry development. The Science-Art focus is about negotiating with World leaders about resolving the compulsion of the human species to harm itself in continual *tribal science* conflict.

In quantum biology cancer research it was discovered that *living information* is known to flow in the opposite direction to the energies of chaos. 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. He wrote that "progress in physics opposes the laws of chaos" and that an extremely small amount of living Platonic information energy, or perhaps just information alone, can be directed against an increase in chaos energy effectively (25). Wiener defined living information as syntropy using the same terminology used later by Szent-Gyorgyi.

In 2012 the Nobel Laureate in Physics, Frank Wilczek, predicted the theoretical possibility of the existence of *Time Crystals* as published by *Scientific American* in the article authored by Ron Cowan, recipient of numerous prestigious astrophysics science writing awards, entitled *Time Crystals Could Be a Legitimate Form of Perpetual Motion* (26). These *time crystals* were actually created by two American Universities in 2017 (27).

During Plato's and Archytas' era there was a confusing, changing, interlocking interaction of philosophical concepts. Wilczek correctly noted that Plato's "utterly mistaken theory anticipated the spirit of modern theoretical physics within his insight that 'symmetry' defines structure, in accordance with Einstein's symmetrical universe". Wilczek considered that "A time crystal would spontaneously break what he calls *the mother of all symmetries* - the symmetry of time". However, as ethics is an emotional issue, we can examine the emotion-forming functioning of the protein dopamine. This protein, although constructed upon symmetrical rose-shaped geometries, when within (Plato's) "planar" field geometries, suddenly "become highly asymmetrical" (28). Thus according to Wilczek, for some unknown reason within his understanding of science, Plato's "utterly mistaken" symmetrical concepts actually become asymmetrical. This confusion about Wiener's intuitive concept for the breaking of the "symmetry of time" in order to develop free energy technology now echoes Plato's universal ethical three-dimensional purpose.

Weiner's mathematical view of space-time appears to be associated with the functioning of a living, holographic universe. This information can be considered to concur with the 19th Century philosopher

Ralph Waldo Emerson's concept of Vedic mathematical reality. Michelle Agius, in her paper, *Human Life Architecture*, notes that Emerson desired to "reconstruct the social sciences to embrace ancient Vedic mathematics in order to outline the process of ethical human evolution. This process was associated with a naturally occurring artistic intuition associated with Plato's ethical spiritual (electromagnetic) holographic mathematics reality." (29)

Agius' paper provided an important insight into Chris Illert's computer program used to discover the life force governing seashell growth and evolution. Her research linking Vedic mathematics to the biological sciences resulted in obtaining images bearing a striking likeness to a photograph of a human genome crystal. In the abstract to his book, *The Phenomenon of Life in the Physical Universe*, Professor Simon Berkovich wrote that "The information contained in the genome is insufficient for the control of organism development... recognition of this concept would require sacrificing the worldview of contemporary cosmology." (30) Agius' insight to upgrade the famous seashell discovery into a human evolutionary survival format simply includes a computer process that will extrapolate the relevant genome information from the Vedic emotional intuitive reasoning. As a result, this process would combine the crucial bio-geometries found in the seashell fossil record with human survival geometries belonging to the workings of the human genome. This would provide credence to the evolutionary direction of Wiener's 'progress of science'.

Unless Wiener's 'progress of physics' is instigated as soon as possible, the present pandemic of chaotic information transmitted by the mass production of dysfunctional communication and information devices will enter into a carcinogenic terminal state. The confusion over the Democratic social roles of symmetry and asymmetry is a serious matter for the Western military. The theme of the U.S. Army War College's Ninth Annual Strategy Conference during 1998 was, *Challenging the United States Symmetrically and Asymmetrically*. It considered that "War will remain predominately an art, infused with human will, creativity, and judgment". That conference perceived, "While the Western military struggles for a decade on average to acquire new weapons, a country with commercially available computer equipment and less rigorous democratic and accounting processes could field new systems within a few years. It is the stuff of military nightmares" (31). Within this asymmetrical and symmetrical literacy confusion, every attempt to extradite ourselves by using entropic engineering solutions can surely only accelerate that nightmare.

The development of artificial intelligence technology by using entropic engineering solutions is accelerating uncontrollable global chaos. All global military establishments will very soon need a binding UNESCO flag of truce under which they can secure their hold on a sustainable human survival technology. The only way they can obtain that objective is to encourage self-funding stereoscopic human survival artistic tourist attractions free from demonic entropic aesthetics. Proceeds from that project are to be allocated to disseminating relevant non-carcinogenic information to the medical establishment and non-entropic information necessary to break Wilczek's "mother of all symmetries- the symmetry of time" and give free energy to the world.

*The Journal of Military Ethics* (2004 edition) referred to the extreme importance of the Socratic expression, *Squaring the circle: Teaching the philosophical in the military* (32). The Science-Artist Robert Totonai published a Science-Art Research Centre library book which highlighted the importance of squaring the circle in association with a newspaper article for schools in 1981. The article was about how a computer was successfully programmed to obtain "what some scientists believe is the prelude to time control" (33). The Royal Fellow of Medicine, Dr George Cockburn of Sydney, had already published Science-Art Library Book No. III which postulated how the brain

functions in the light of such research.

The Philosopher and Engineer Panagiotis Stefanide in his *Thoughts and Interpretations* which is based on *Plato's Geometry and Cosmology Extracts from Social Media Discussions* (34) and written in association with Democriteio University, Xanthe and the National Research Institute in Athens, is recognized as one of the great champions of the life's work of Plato. He has been accredited with 'achieving the impossible', the ethical squaring of the circle. The Australian mathematician, Jain, independently arrived at the same *impossible* conclusion by developing the Platonic research conducted during the 1980s during his association with the Science-Art Research Centre's project to program a computer in order to generate human survival blueprint simulations (35).

During the 21st Century the rapid evolution of an artistic ability to create paintings which when viewed through asymmetric electromagnetic glasses revealed complex panoramas of intersecting three-dimensional images. This unconscious intuitive ability has been proven to produce paintings far more explicit than Salvador Dali's three-dimensional exhibition now showing at the Dali Stereoscopic Museum in Spain. Engineers perceiving visual movement within the modern day interacting Platonic 'thought form planes' are relating brain torque forces discovered within the functioning of asymmetrical neurological cerebral activity to this three-dimensional phenomenon. These concepts are being associated with *time crystal* reality associated with the mathematical implications of 'free energy' associated with Wiener's 'Progress of Physics'.

The associated military emphasis on the philosophical ethics related to squaring the circle is now associated with the compassionate vocabulary belonging to the ethical evolution of artistic human stereoscopic vision. In particular, this ethical evolution of artistic human stereoscopic vision is observable in very young Indigenous Australian children's art. This singularity was noted by the Indigenous Elder, Roger Bushfire Saunders, when he taught young children Indigenous ways of painting as well as in paintings produced by Australian Indigenous children and analysed by Mills and Doyle (36). According to Saunders, his students also were able to see the stereoscopic images without use of the glasses.

As the oldest living tribe on earth, the Australian Indigenous culture may have some important message to contribute to society about Infinite Fractal Logic and ongoing creation (37). When compared with the Sumerian *Chaos from the Dark Abyss* traditions, their very strict lore, the *Cosmological Songline* discipline, holds a far better constancy than the *tribal science* inherited from the Sumerian civilization. Australian Indigenous Original Lore demonstrates and makes visible the infinite fractal logic of the ongoing evolutionary process of creation.

The crucial Australian Indigenous human survival message about the purpose of ongoing creation belonging to a living universe is now being shared with Western science though the mutual artistic evidence associated with the evolution of three-dimensional artistic stereoscopic vision. The Australian Government however, appears economically compelled to demean the Australian Indigenous Culture and cause harm to its fundamental understanding of its environmental habitat. For example, the Government appears to be ignoring the essence of the land title given to the Wangan and Jagalingou Family Council in Queensland by seemingly supporting the Adani giant coal mining project. This project should it be allowed to proceed will result in a huge open-cut mine deeply penetrating the largest and deepest fresh water artesian basin in the world which provides the only source of fresh water throughout vast areas in inland Australia. Furthermore, in order to export fossil fuel, the project includes the construction of a railway to a coastal port situated atop a section of the Great Barrier Reef already under threat from coral bleaching. Both compulsions are legally and morally in contempt of the 1978 UNESCO Proclamation concerning humans as one species. Should such a plan as an open-cut coal mine be implemented, 2018, the 10th Anniversary of the

Government's apology for the way our Indigenous people have been treated by Western Culture, that is 'Sorry Day', may become the infamous year where any attempts of Western apology to the Original People become a travesty because of the total disregard of Sacred Lands and the First People's Spiritual connection to the Earth.

The Australian Indigenous record of the Great Flood was associated with a coherent understanding of the melting of the Ice Age and their Dreamtime legends hold a spirit of mutual wonderment of creation in contrast to the religious spirit of terror originating from ancient Mesopotamia. The Australian Original People, now recognised as participating in the 19th Century colour perception theories of William Gladstone and Wolfgang von Goethe, which were discarded from the Great Darwinian Debate, may well provide a vital insight into a sustainable world future thus negating Einstein's doomed entropic culture. Their Dreaming equates to the *ongoing creative process* made visible through their Three-Dimensional paintings which illustrate the Golden Ratio geometrical symbol of nature in progress. Australian Indigenous paintings provide a scientific language by which to explain ongoing creation and therefore explain, how this first Earth tribe continues to survive by being one with the Earth and continuing the Dreaming. This culture does not subscribe to the entropic laws of destruction brought about by the Heat-Death law being depicted through entropic sciences prevalent in the Western world, rather the Australian Original Lore and culture is a negentropic sustainable world future manifested.

Prevailing entropic science has a very poor understanding of artistic reality. It has no understanding that physics is emerging from an age of violent symmetrical entropy into what Timothy Morton refers to as "Art in the Age of Asymmetry". The artist Leonardo da Vinci was not the great master of scientific knowledge as we have been led to believe. Leonardo da Vinci wrote in his published *Notebooks* that perspective in a painting was made clear by the five terms of Plato's mathematical logic: arithmetic; plane geometry; solid geometry; astronomy and harmonics. But he had no concept of Plato's plane geometry embracing an invisible three-dimensional spiritual (electromagnetic) message. The existence of this spiritual phenomena was proven to exist by Salvador Dali last century.

Da Vinci also wrote that the flat plane of a painting surface could never contain a true three-dimensional image. However, as a result of Salvador Dali's work and what is now evident in Indigenous and many Western artists' paintings, we now know that da Vinci's conclusion is incorrect. As the Chief Engineer of the pope's army, da Vinci had no time for the spiritual atomic ethics that Marcillo Ficino considered to represent the crux of the Italian Renaissance (38). Ficino was put in charge of the re-establishment of Plato's Academy in Florence during the 15th Century by the Medici Scholars. Meanwhile, da Vinci only represented tribal science's need for continual warfare. The Christian Church at war with itself tolerated no interference with its *Chaos from its Dark Abyss* warrior status.

The previously hidden evidence of spiritual (electromagnetic) artistic torque forces is the foundation for the physics of the 21st Century Renaissance to emerge from entropic slavery into the ethical creative functioning of a holographic universe. In 2001, the *Journal of Creative Behaviour* published the paper *The Dynamics of Creative Physics: Key to the Enigmas of Physics* by the molecular biologist George Ainsworth-Land (39). Despite Ainsworth-Land not having access to the 2013 Planck Observatory's pivotal discovery of the First Cause of Creative Physics, he wrote what is now the essence of this paper's message:

*"The nexus of our movement into a very new kind of future, beyond polarization's, inequities and dissonance, rests in the hands of those who have stepped forward to embrace in their own lives the personification of creativity. They are the model that is the*

*future. They are the ones who will recognize not only the force of atoms or of individuals but will also see that the apparent disintegration of our society and our world in these turbulent times is one that manifests not dissolution but the foment of re-creation. And they are the ones who will act to unite our world and produce a creative future beyond any of our most optimistic expectations". (39)*

## References

1. (1978). *UNESCO Declaration on Race and Racial Prejudice* [online] [http://portal.unesco.org/en/ev.php-URL\\_ID=13161&URL\\_DO=DO\\_TOPIC&URL\\_SECTION=201.htm](http://portal.unesco.org/en/ev.php-URL_ID=13161&URL_DO=DO_TOPIC&URL_SECTION=201.htm) [accessed 20 April 2018]
2. Szent-Gyorgyi A. (1970). *The Crazy Ape*. New York: Philosophical Library.
3. (23 Aug. 2016). Stanford Encyclopedia of Philosophy. Archytas, 5 Cosmology and Physics [online] <https://plato.stanford.edu/entries/archytas/> [accessed 15 April 2018]
4. Illert, C. (1987). The New Physics of Ultrathin Elastic Conoids, *Il Nuovo Cimento*, and Formulation and Solution of the Classical Seashell Problem II Tubular Three Dimensional Seashell Surfaces and *Il Nuovo Cimento*, (1989), The Science-Art Research Centre...selected from the World literature for reprinting in Spie Milestone Series, Vol. MS 15, Selected Papers on Natural Optical Activity, pp. 12-23 and 24-33, section 1. Chirality and Natural Optical Activity, 1990.
5. Illert, C. (1 Aug. 1992). Foundations of Theoretical Conchology: from self-similarity in non-conservative mechanics. *Hadronic Journal Supplement*, Vol. 6 Issue 4, University of California.
6. R. W. Emerson, A. R. Ferguson, J. Slater, J. F. Carr. (1971). *The Collected Works of Ralph Waldo Emerson: Vol I, Nature, Addresses, and Lectures*. The Belknap Press of Harvard University Press, Cambridge, Massachusetts.
7. Prescott-Steed D. (2008). *BlackSea Abyss: Chaos and Writing in Ancient Mesopotamia*. *TRANS*, Dossier Central. [online] <https://journals.openedition.org/trans/249> [accessed 10 May 2018]
8. Laing, D. (2003). *The Flood is Found*. [online] <http://www.biblemysteries.com/library/blacksea.htm> [accessed 10 April 2018]
9. (22 Dec 2017). Herodotus. *New World Encyclopedia* [online] [www.newworldencyclopedia.org/entry/Herodotus](http://www.newworldencyclopedia.org/entry/Herodotus) [accessed 10 April 2018]
10. Rawlinson G. (1885). *Herodotus, The History of Herodotus*, vol. 1, Appleton and Company.
11. McGrail S. (2004). *Boats of the World: From the Stone Age to Medieval Times*, Oxford University Press, pp. 64–66.
12. Griffiths S. (12 Sept. 2014) ?Is this the REAL Noah's Ark? Scaled-down replica based on 4000-year-old Babylonian tablet's instructions is rebuilt by hand. *Daily Mail Online* [online] <http://www.dailymail.co.uk/sciencetech/article-2753211/Noah-s-Ark-revealed-Scaled-replica-based-4000-year-old-tablet-s-instructions-build-hand-India.html#ixzz5GI54F4kd> [accessed 10 April 2018].

13. Lombardi M. A. (5 Mar. 2007). "Why is a minute divided into 60 seconds, an hour into 60 minutes, yet there are only 24 hours in a day?" *Scientific American* [online] <https://www.scientificamerican.com/article/experts-time-division-days-hours-minutes/> [accessed 12 April 2018].
14. Linton C. M. (2004). *From Eudoxus to Einstein: A History of Mathematical Astronomy*. Cambridge University Press.
15. Snow C. P. (1959). *The Two Cultures*. Cambridge University Press. pp. 14-15.
16. 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].
17. Koch-Westenholz U. (1995). *Mesopotamian Astrology - An Introduction to Babylonian and Assyrian Celestial Divination*. CNI Publications. University of Copenhagen, Denmark, p. 12
18. 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
19. Roberts D. Point. *Mathbits Notebook*. [online] <https://mathbitsnotebook.com/Geometry/BasicTerms/BTundefined.html> [accessed 16 April 2018].
20. Wolken J. J. (1975). *Photoprocesses, Photoreceptors and Evolution*. Academic Press. San Francisco, New York, London. p. 5.
21. Wadia S. R. (2007). *The Legacy of Albert Einstein: A Collection of Essays in Celebration in the Year of Physics*. World Scientific Publishing Company Ltd. Singapore. p. 3.
22. Brown K. (2017). Reflections on Relativity. 8.2 Newton's Cosmological Queries. [online] <http://www.mathpages.com/rr/s8-02/8-02.htm> [accessed 20 April 2018].
23. Morton, T. (2012) *Art in the Age of Asymmetry. Eventual Aesthetics*. p. 135.
24. Oldershaw R. L. *The Infinite Fractal Universe* [online] <http://www3.amherst.edu/~roldershaw/ifu.htm> [accessed 20 April 2018].
25. Weiner N. (1954). *The Human Use of Human Beings: Cybernetics and Society*. Houghton Mifflin, University of Michigan. p. 38.
26. Cowan R. (27 Feb. 2012). Time Crystals Could be a Form of Perpetual Motion. *Scientific American*. [online] <https://www.scientificamerican.com/article/time-crystals-could-be-legitimate-form-perpetual-motion/> [accessed 30 April 2018].
27. Ledesma-Aguilar R. (22 Feb. 2017). Time Crystals - How Scientists Created a New State of Matter. [online] <https://phys.org/news/2017-02-crystalshow-scientists-state.html> [accessed 22 April 2018].
28. Duong T. L., Fleming P. J., Ornberg R. L. (25 Sept. 1984). The Molecular Shape of Dopamine @-Hydroxylase from Chromaffin Granules of Bovine Adrenal Medulla. *The Journal of Biological Chemistry*. Vol. 260, No. 4, pp. 2393-2398.
29. Agius M. (14 May 2018). *Human Life Architecture* [online] [https://www.academia.edu/36637091/Human\\_Life\\_Architecture](https://www.academia.edu/36637091/Human_Life_Architecture) [accessed 15 May 2018].
30. Berkovich, S. (2001). *The phenomenon of Life in the Physical Universe*. Dorrance Publishing Company Inc.
31. Smucker, P. G. (April 13 1998). The Road to a New Balkan Hell. *U.S. News and World Report*, p. 36.

32. Miller, J. J. (31 Oct. 2007). Squaring the circle: Teaching philosophical ethics in the military. *Journal of Military Ethics*. [online] <https://www.tandfonline.com/doi/abs/10.1080/15027570410006219> [accessed 17 April 2018].
33. Todonai, R. (1983). Robert Todonai. *Squaring the Circle at Toad Hall*. Science-Art Research Centre Library Book. Berri S.A. p. 10.
34. Stefanides, P. C. (1980) *Conference Papers*, issued by P. C. Stefanides, in the *Timaeic Philosophy of Geometry*. Democriteo University, Xanthe - 1991 National Research Institute. Athens - 1989. New York, Random House.
35. Jain 108 (2014). *The True Value of Pi Jain Pi = 3.144605511...* ISBN 178-0-9872543-4-4.
36. Mills, K. and Doyle, K. (Forthcoming). *Art as Language: Multimodal Evidence in an Indigenous School Community*.
37. Lawlor, R. (1991). *Voices of the first day: Awakening in the Aboriginal Dreamtime*. Rochester, Vermont: Inner Traditions.
38. *New World Encyclopedia* (21 Oct. 2013). Marcilio Ficino. [online] [http://www.newworldencyclopedia.org/entry/Marsilio\\_Ficino](http://www.newworldencyclopedia.org/entry/Marsilio_Ficino) [accessed 18 April 2018].
39. Ainsworth-Land, G. (Dec 1981). *The Dynamics of Creative Physics: Key to the Enigmas of Physics*. *The Journal of Creative Behavior*. Vol 15, Issue 4. pp. 227-241.