

Science “as it is” has produced meaningful and useful knowledge and mathematical equations that have been used to enhance humanity’s progression in the natural world. These contributions are primarily due to the creation of knowledge using the scientific method in relation to observable, sequenced, natural progressions that could be timed, measured and calculated. However, that same system has been inadequate in studying complex and qualitative systems such as consciousness, intelligence, life and creativity.

Science is “as it is” based on two humanly imposed factors: 1. humanity assumed that intelligence existed before the beginning and is in effect everywhere, all of the time and never changes and 2. science developed and enforced the scientific method for building “true” knowledge about the natural world.

Of those two factors, humanity’s assumption about intelligence preceded the development of the scientific method. Humanity’s assumption about intelligence became a common belief of religion and philosophy before the emergence of science. In religion, it was the belief in an intelligent creative God and, in philosophy, it was the belief that the rules of logic and reason were eternal, everywhere, and never change. Since natural philosophers - some of whom were religious - developed science, it is highly probable that their beliefs carried over and science’s laws and constants were put into the same category as the rules that govern reason and logic. The combination became science’s assumption. My work shows that this assumption is wrong and anything built on that assumption must be incomplete.

Scientists using the scientific method have not been able to account for creative “jumps” in sequenced progressions. The progression of consciousness, intelligence, life and the physical world have these creative jumps - commonly called punctuated equilibrium.

My analysis showed that the laws and constants of physics, the rules that govern logic and reason and an intelligent creative God were not in existence before the beginning and they are not in effect everywhere, all of the time and never change. Those laws, constants and rules were created by a more fundamental creation process and exclusion of this creation process means science’s resulting knowledge and theories are incomplete. I call this fundamental creation process “successful creation”. Inclusion of successful creation into science would be relatively easy and the results would include the “true” knowledge of science, philosophy, religion and mathematics. It would also provide the means for uniting all of these within one process with connections and relationships that have not been discovered by “as it is” science, philosophy, religion and mathematics.

Science Can Be Different And Better.

Science's inclusion of successful creation would bring major expansion and connectivity. It would include the progressive creation and functioning of consciousness, intelligence, creativity, life, the physical world and mathematics from their beginning until now - including their creative "jumps". It would include both their qualitative and quantitative connections and relationships within one creative process. It would also include the purpose and requirements required to produce one unified result.

But Would It Still Be Science?

Science is the search for truth about the natural world. The true "truths" obtained by "as it is" science would be maintained in the new science. Inclusion of successful creation and its subjective/qualitative components would be a logical and desirable expansion and improvement of science. My work shows it would solve current science's major problems, answer its major unanswered questions and provide the basis for a successful expansion.

What Will The New Science Look Like?

My work with successful creation shows that its inclusion would add a previously undiscovered lowest level of creative existence. This lowest level consists of large quantities of one substance - that I call C*s - in a state of chaos. Inclusion of this level solves the infinite regression problem of "who/what created the creator". Also, this creative level would become the lowest level of scientific reductionism and it would eliminate infinitesimals and establish a minimum value for precise mathematical calculations.

More Information About Successful Creation Would Be Included

C*s in chaos stop the disordering force of entropy and form the lowest level of existence. This lowest level of existence also has the highest level of entropy. C*s are the quanta of successful creation. One C* is the smallest discrete unit that exists. Each C* has a precise quantitative value that it maintains. That value is $9.21979779 \times 10^{-95}$ grams. Every C* also has qualitative characteristics. They have a "normal" composition. They also have a primordial consciousness. They can "feel" qualitative changes in their compositions and, when they feel those changes, they activate a primordial creativity

that returns their composition back to its normal state of existence. The C*s in chaos lowest level of existence is the quantum creating field that produced the first stable, self-maintaining result that, in the quantum creating field, successfully replicated.

The emergence of the first stable successful replicator in its creating field converted chaos to order. It was the beginning of successful creation and it was the 'miracle' needed to make the world comprehensible.

Einstein referred to this miracle in his "Letters to Solovine", New York, Philosophical Library, 1987, p.137.

"You find it strange that I consider the comprehensibility of the world (to the extent that we are authorized to speak of such a comprehensibility) as a miracle or as an eternal mystery, Well, a priori, one should expect a chaotic world, which cannot be grasped by the mind in any way .. the kind of order created by Newton's theory of gravitation, for example, is wholly different. Even if a man proposes the axioms of the theory, the success of such a project presupposes a high degree of ordering of the objective world, and this could not be expected a priori. That is the 'miracle' which is constantly reinforced as our knowledge expands."

The origination of the first successful replicator and its sequenced successful replications converts chaos to order. Successful creation grows through successful replication and the successful organization of the copies. The originating 'miracle' created the successful creating fundamentals that were adhered to as the system replicated and progressed. The origination and progressive growth of successful creation produced its own mathematics, computations and intelligence. The "miracle" that produced the first successful replicator produced the cardinality of successful creation mathematics (i.e. the cardinality is what is in each mathematical integer). The sequential replication produced the integers 1,2,3,4 ... and the successful organization of the integers (i.e. the copies) produced the mathematics. That same 'miracle' processing produced the first successful creating algorithm. Replication produced sequential algorithms and their successful organization produced the computations and intelligence that were used in successful creation and are embedded in successful creation results.

The inclusion of successful creation in science would explain why mathematics is so useful in describing physical systems. The inclusion would also provide the algorithms that would be used to explain the creation and functioning of the qualitative worlds of consciousness, intelligence, creativity, life and their connections and relationships. The combination of creative mathematics, creative algorithmic computations and creative intelligence would provide the “tools” for comprehending and explaining a complete, comprehensive and comprehensible world.

This essay is not intended to provide precise details. Its intention is to provide an overview of what the inclusion of successful creation will bring to science. Successful creation produced the order, sequence, precision and time that scientists observe, measure and calculate. It also embodied the mathematics, computations and logical intelligence that can be used to comprehend and explain its results. Successful creation provides a new perspective, introduces a new paradigm and supplies the tools that scientists can use to expand their search for truth.

My work provides the current state of knowledge about successful creation and its relationships to science. It shows that the combination solves science's major problems and paves the way for a creative jump in humanity's comprehension of reality.

This is What Needs to be Done to Combine Successful Creation and Science

1. Science needs to get rid of the assumption that the laws and constants of physics are present before the beginning and are in effect everywhere, all of the time and never change. This would be replaced with successful creation which provides a new beginning, a comprehensive set of fundamentals and a comprehensible progression.
2. Science would introduce and explain successful creation's lowest level of existence, its conversion of chaos to order, and the mathematical/computational/logical model of successful creation's origination and progression. The successful creation model would provide: 1. an overview of the creation and functioning of “all of the order in existence” 2. a complete and defined “framework” for the new science. 3. describe the complete range of change of a successful and complete science 4. provide successful creation's limits, boundaries and thresholds 5. get rid of infinitesimals and infinities 6. include the concept that successful creation creates and uses its own

mathematics, computations, intelligence and embodies them in its processing and results.

3. Scientists will need to “map” their scientific mathematical knowledge of the natural world to the successful creation mathematical model, rationalize the differences and present the new rationalizations.
4. Inclusion of successful creation would expand the range of science to include the creation, functioning, connections and relationships of consciousness, creativity, intelligence, life, the physical world, purpose and their requirements that keep the successful creation system alive and functioning.

The Usefulness of Combining Science and Successful Creation

The inclusion of successful creation would change the fundamental basis of science, religion, philosophy, mathematics and intelligence. My preliminary work in combining successful creation and science demonstrates that their combination solves science’s current unsolved problems and answers its unanswered questions. It also solves problems and answers questions in the other disciplines. It serves as a connective “bridge” that would unify all of these within one creative process. The simple explanation for this success is that these problems and questions are not new. Successful creation confronted and solved these problems and answered these questions in its journey to become what it is. It is all of the order in existence. The solutions and answers are embodied in its results and can be found by combining successful creation and science.

Explanations And Examples of the New Science and Its Improvements

In this essay, I have been describing, in general terms, the fundamentals and methodologies of successful creation and how these address the problems and questions of science and humanity. Now I will be more specific but not include specific equations and their mathematical solutions.

The combination of successful creation and science covers the full range from the ‘miracle’ first conversion of chaos to order and includes the processing progression that becomes all of the order in existence. Successful creation creates the mathematics, computations and logical intelligence that can be used to comprehend and explain that

range of change. The mathematics, computations and logic are embodied in the processing and results of successful creation. My preliminary work shows that the inclusion of successful creation would bridge and unify the disciplines of science, religion, philosophy and mathematics.

Previously in this essay, I covered the new “lowest level of existence” and the ‘miracle’ conversion of chaos to order which makes the universe comprehensible and provides the beginning of successful creation. Now I will cover the progression from that beginning to the creation of the universe and its contents.

Successful creation is a consciously guided, creative, Bayesian progression. As new creations emerge, the consciously guided Bayesian processing tries their possibilities for successfully fitting into its progression, selects those that have the highest probabilities of success and continues their progressions. In those progressions, the probabilities of success of the individual possibilities change. The continuing progression narrows the pool of probable successful progressions and eventually selects the one process with the one result that continues to live and best satisfies the requirements of consciousness. The creative Bayesian processing with its creation and selection of the one best process and result occurs in every step of the successful progression and produces sequenced “stages” of successful creation. This progression continued until it produced all of the order in existence which includes the visible universe and its contents including humanity and our creations. All of the order in the universe also includes the invisible consciousness, creativity, intelligence, and life that were necessary for the successful creation of the universe and its contents.

Creative Bayesian processing is the source of the selected pathways that the successful creation process takes in its progressions. The successful creation model with its Bayesian processing correlates with the progression of physical systems described by Newton's laws of motion in the classical physics world. It also corresponds to the collective work of Schrodinger, Heisenberg, Feynman, and Dirac on the quantum mechanical propagation of waves. There are two exceptions. 1. Science has not found how nature overcomes the uncertainty in Heisenberg's Uncertainty Principle and 2. Science cannot explain the origin of and connectivity in quantum mechanics. In Bayesian progressions, the creating process and selection in each progressive stage are uncertain until the last successful creating change. That last change encapsulates the entire successful processing and results for that stage of the progression. With the

encapsulation, creative processing and results become “fixed”. In this “fixation” the quantum creativity processing becomes “mechanical” and its uncertainty becomes certain. These are necessary for the system to successfully repeat and replicate.

In the ‘miracle’ conversion of C*s to become the first successful replicator, the encapsulation created the first space, time, and mass with thresholds, limits, and boundaries. It also produced their relationships and connections. All of these were inherited in its progressive processing. The quantum creativity of the C*s produced everything needed for the results to be repeated and replicated. “Everything needed” was for quantum creativity to become quantum mechanics and successfully repeat the processing and relationships of space, time and mass (i.e. the fundamentals of general relativity), the fundamentals of Plank actions, and the fundamentals of gravity and anti-gravity. These fundamentals were adhered to as the system successfully replicated and organized to become the space, time and mass of all of the order in existence. The visible universe and its contents are results of and participants in that process. Encapsulated space, time and mass with their boundaries, relationships and connections did not exist before the beginning and progression of successful creation. Successful creation produced the observable space, time, mass and their relationships that scientists measure, time and calculate.

Inclusion of the lowest level of existence, the origination of the first successful replicator and the creative Bayesian progression would 1. replace the inflationary Big Bang model of the creation of the universe. 2. explain the source and success of Newton’s laws of motion and the collective work on quantum mechanical wave propagation 3. explain how Heisenberg’s uncertainty becomes certain 4. explain the origin of quantum mechanics and their fundamental connections 5. explain how the space, time and mass of the universe was created and how they relate to each other 6. explain the origination of gravity and its relationships with space, time and mass and 7. Get rid of infinitesimals, infinities and zero that create havoc in science's mathematical calculations.

The progression of successful creation produced our solar system, earth and the physical, chemical, living, biological, and neurological progressions on earth. Humanity is a result of and participant in this progression. The miracle creation of the first successful replicator, its subsequent replication and the organization of the progeny is the primordial ancestor of the first cell, neuron, human stem cell and their progressions to become the biological, neurological and human stages of successful creation. Each

level, each stage, and each participant in this progression has a connected lineage that leads back to the original 'miracle' successful creation. Each lineage also has its own inherent combination of consciousness, creativity, intelligence, physicality, life and purpose. All of these components are needed for creation to be successful and all of these components are present, to some degree, in every successful creation result. Humanity and individual humans are advanced examples of this phenomena.

Creative Bayesian progression would replace the current Darwinian model of evolution with natural selection and become the model of choice to explain the creation and progression of life.

The combination of successful creativity and science adds the creation and functioning of the qualitative world to the quantitative world of science. It provides the algorithmic tools for scientific studies of consciousness, creativity, intelligence, life and the mathematical tools for the study of the physical world. The combination reveals the relationships and connections that unify the quantitative and qualitative in one process.

Inclusion of the C*s and lowest level of existence as a component of successful creation solves the BIG problem of consciousness. Consciousness philosophers and scientists cannot comprehend how physical entities can elicit qualitative "feelings" or how consciousness can elicit quantitative physical changing. C*s are both quantitative and qualitative. Physical changes in their composition elicit feelings (i.e, qualia) and qualia changes trigger a creative change which return their physical compositions back to normal. This capability is fundamental, inherent and progresses in complexity as successful creation progresses. C* activities are the primordial ancestor of how physical change elicits consciousness and how conscious creativity elicits physical change.

In the 'miracle' conversion of chaos to order, conscious creativity of C*s became the intelligence in the first successful replicator. This process has a connected lineage through successful creativity to become human conscious creativity and intelligence. These capabilities allow humans to create mental models of their own creationary lineages. These mental models allow us to comprehend and explain successful creation from its origination to our living existence - here and now.

Summary

The scientific method has worked well for observable, sequenced, quantified, natural progressions that could be measured, timed and calculated. However, it has been inadequate in studying complex qualitative systems such as consciousness, intelligence, life and creativity. I am proposing the addition of successful creation to science. This will explain the lowest level of creativity and the creative Bayesian progression that becomes the physical universe and the qualitative components of consciousness, creativity, intelligence and life. It will provide a new perspective for scientists and additional tools they can use to develop the new science. The new science will pave the way for a creative “jump” in human comprehension of reality as scientists discover new “truths” and solve previously inexplicable problems.