

COVER PAGE



UNLOCKING

THE SECRETS  
OF THE  
UNIVERSE

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**Unlocking the Secrets of the Universe and Infinite Life-Revised**

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**PREFACE**

This hypothesis, (an unproven theory), was written by myself, a person interested in determining where we came from and what will eventually happen to us. It relates directly to the fundamental principles, accomplishments and proven theories to some of the greatest, respected and eminent scientists that ever lived. It is the gathering and combining of the most prominent of those proven theories and is intended to go beyond their achievements providing for how and if their findings can work together in a close, collective relationship using advances in today's latest sciences, technologies, to see if it can be determined how life may develop throughout the universe infinitely by using atoms<sup>1,2,3</sup> and light curvature to spread the atoms throughout the universe infinitely by perpetual "Big Bangs".

In common sense terms, this hypothesis conveys to the average person the reason for life and its endless continuation throughout the universe.

We should always look for the truth and define questions of depth regarding the past, present and future of our lives and not become complacent and summarily accept hearsay as fact for what we want and expect with what we hope to get as the correct choice. It directly answers questions of why atoms exist, why they are so small ([see page 9](#)) and why the universe is so big ([see page 19](#)). It explains the purpose of how and the reason for gravity, dark matter, dark energy, electromagnetism, light curvature and the photoelectric effect all work together for the propagation and infinite continuation of life, and helps to define what does infinite continuation of life mean and how can that be possible?

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**PREFACE (CONTINUED)**

Some parts of this hypothesis are unknown or unproven. Most of the unproven parts will be a challenge to an impossibility to prove, but proving any one of those theories may be a monumental help for times to come.

Scientists of the proven theories that have been used are credited with footnotes for their accomplishments.

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## INTRODUCTION

Many of us have pondered the real meaning of our existence. We are curious about from where we came and what our purpose is. The greatest questions of all are -- when is the end of time and what is infinite life? To find the answers to those questions, we must reconcile our minds with the truth as determined by scientific facts, logic and common sense.

It is doubtful if we will ever know exactly when or how we originated. In this hypothesis, it is believed before anything the **SUBLIMINAL ESSENCE** of a positive and negative opposites existed. Each having positive and negative inherent values culminated,, joined...high intensity coalesced -- transformed into atoms charged with those inherent positive and negative values --evolving-- into a giant spherical mass..eventually imploding under its own weight,, releasing the atoms into the universe bound to return on their own equal action and opposite reaction electromagnetic path.

How can life be infinite? Life and survival are very strong. In humans that desire is even stronger and is guided by hope and camaraderie in faith in the belief that even after death new and better life will continue without ending. Taking into consideration that life comes from atoms that continues life infinitely through a series of endless "Big Bangs" we must come to understand that without atoms nothing would exist.

The answer to the of infinite life is **VERY** different than what was previously believed. Answers to questions of infinite life can be found by studying the following pages about the accomplishments and proven theories of recent and past scientists. This is a learning process and is a big change from past and present beliefs. Infinite recurring "Big Bangs", are essential for continuing life infinitely. They are a continuously perfectly timed chain of events that through

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**INTRODUCTION (CONTINUED)**

changes in temperatures and time naturally interacting together with fundamental particles combine, transforming into life. All of the necessary requirements that help life to be created and continue infinitely are functioning perfectly. They are: Atoms, ([Atoms- Cells-Conscious](#)), Gravity, ([Gravity](#)), Light, ([Light](#)), Curvature of Light, ([Curvature of Light](#)), Time, ([Present](#)), Space- (interspersed throughout), Electromagnetism- (interspersed throughout), Dark Matter-Dark Energy, (though unproven are thought to have great importance.) ([Dark Matter- Dark Energy](#)), Photoelectric effect ("[Big Bangs](#)") and the catalyst for them all, the "Big Bang", ("[Big Bangs](#)"). They are all part of a "Grand Formula" that works exactly as designed. "Big Bangs" are a complete collection of every atom and Light Photon of everything that ever existed from the entire universe drawn together by gravitational attraction, helped by the photoelectric effect and the phenomena of Light Curvature, Gravity, (Light Photons and Atoms returning to their origins) ([Curvature of Light](#)), forming a huge Spherical Mass that over a period of billions of years of incoming Atoms, Photons, and space Debris become so heavy onto itself, that it implodes, creating a gigantic Nuclear Explosion. The explosion ejects all atoms and photons into empty space. It is a "Big Bang", ("[Big Bangs](#)"). The great quantity of Atoms and light Photons speeding away from the pressure/force of the explosion and the light photons own speed.. parallel speeding (side by side) cause some of the Atoms and Photons to become attracted to each other by Electromagnetism, resulting in clustering. The Clusters may develop into a small but constantly growing Spherical Mass from Light Photons and Atoms (returning to their origins), smaller clusters and spherical masses. Simultaneously, traveling into the farther reaches of outer space in our rapidly expanding universe are other parallel speeding light photons and atoms,

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**INTRODUCTION (CONTINUED)**

some moving singularly and others clustering into larger curvature of light spherical masses - all curving, returning to their origin and one giant spherical mass. When the Spherical Mass become a gigantic size and can no longer contain itself it,, implodes, once again eventually creating Life. As the author of this hypothesis I want the reader to realize that **LIFE** itself is positively without exception an assimilation of love and that it exists infinitely and how it exists infinitely and why it exists infinitely is the reason for this hypothesis.

These opinions expanded on in the following pages are a new approach in the puzzling and ceaseless search to find answers to why and how life exists infinitely.



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**PRESENT - TIME**

The large number of stars and planets visible on a clear night represent only a small fraction that exist but are too far away to be seen or accurately estimated. Energy from the sun is sufficient to support the earth. For what reason then for more than 2 billion stars in our Milky Way Galaxy<sup>4</sup> and the 100 billion or more other galaxies<sup>5</sup> in our universe? New stars and planets are constantly being formed by star nurseries.<sup>6</sup> Previous research indicated our universe was expanding.<sup>7</sup> Every star, planet and atom, and all types of energy throughout the universe are necessary and have great importance and purpose. Literally so does empty space.

In outer space, Density & Mass are simultaneously relative to each other but are functionally opposites. The Author reasons because of the interaction **(Positive Force)** from Dark Matter-Dark Energy with Higher Density Mass of Interstellar objects, interaction **(Negative Attraction)** affects High Density & Large Mass of Interstellar Objects but Dark Matter-Dark Energy has low effect on Low Density or Low or Small Mass Interstellar objects. **SEE PAGES 17, 18, 19** (such as gaseous planets).

Time is critical and extremely important in every issue of life in our universe. **I propose the definition of time equals a particular distance Atoms & Light Photons travel at the speed of and with the expanding universe. Time on earth is controlled by the speed of rotation of the earth on its axis as it circles the sun. Generally, TIME equals speed and distance to a point. Individually time is relative to the needs of each person, place or thing. Ultimately, the speed of the expanding universe controls all time including infinite life.**

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**ATOMS-CELLS-CONSCIOUS**

Atoms store energy.<sup>7A</sup> The size of an Atom is extremely small. Each of part of the atom's composing parts are even smaller. They are light weight and it takes a lot of them to make anything. Atoms were designed to be small for a specific purpose. Size must be relative to necessity and reason. The author theorizes the reason the Atoms are so small is to allow them to travel with light photons (fore and aft) during which time the speeding Photons and Atoms, due to electromagnetic attraction to each group of Photons and Atoms moving in parallel may result in clustering, forming into a spherical mass and eventually life. See "[Big Bangs](#)" -[Pages 22 thru 27](#). Everything that we know of, animate and inanimate, including ourselves, our universe, earth, the water, soil, metal, air, plants and the food we eat are made from atoms. Atoms are the basic building blocks of chemistry.<sup>7B</sup> Without atoms it would be impossible for anything to exist. Not all atoms are the same. Different types of atoms combine together to make different type molecules.<sup>7C</sup> Molecules communicate.<sup>7D</sup> Atoms cannot be destroyed. They can be dismantled and recombined.<sup>7E</sup> Atoms are the foundation of existence. They are theorized by the author to be the **SINGULARITY** of everything. Atoms were hypothesized to exist by ancient Greece in the 5<sup>th</sup> Century B.C. by philosophers Leucippus and Democritus.<sup>8</sup> Their theory was more philosophizing than experimenting. Their interpretation was that when matter could no longer be divided into smaller pieces, accurately explained the idea of an atom. They named it atomos, meaning uncuttable or indivisible. Later the leading scientist and philosopher Aristotle rejected the theory calling it rubbish.<sup>9</sup> Other scientists continued studying the theory, but with no progress. In 1808 the atomic theory advanced greatly with John Dalton.<sup>10</sup>

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**ATOMS-CELLS-CONSCIOUS (CONTINUED)**

Different types of Atoms are composed of between 150-200 subatomic particles.<sup>11</sup> The three (3) basic ones are electrons, protons, and neutrons. Subatomic particles within an atom are confined and held together by a strong nuclear force called gluons. Each subatomic particle has one (1) or more of six (6) different constituents named quarks.<sup>12</sup> The quarks are named flavors. Names of the flavors are: strange, charm, up, down, top and bottom. Quarks are thought to come from a fundamental composition that have not been positively identified but are believed to come from vibrating strings.<sup>13,13A</sup> Very little is known about vibrating strings. In this hypothesis they are used in order of their values to preceding Quarks and subatomic particles. Any substance composed of entirely one type of atom is an element, i.e., gold, lead, silver.

One hundred eighteen (118) elements exist. It takes at least two types of atoms to make one molecule, i.e. water (H<sub>2</sub>O).<sup>13B</sup> By using various combinations of molecular formulas from only 100 different kinds of atoms (and 150-200 subatomic particles, [see foot note #11.](#)) more than 12,000,000 substances exist.<sup>14</sup> By 1932 science and technology was advanced to the point where high energy could be developed safely by splitting the atom through controlled nuclear disintegration; fission, (dirty energy). Later (1945), using that similar technique of splitting the atom to make the atomic bomb was devised and helped end World War II.<sup>15</sup> Scientists are now working on developing a clean unlimited energy source by harnessing the atom by creating nuclear fusion.<sup>15A</sup> Research about the atom, its composition and uses, never stop. Successful results in an unlimited energy supply could lower our planets pollution, elevate our health standards, extend our life span and raise our quality of life.

Everything in our huge universe depends on the tiny atom.

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**ATOMS-CELLS-CONSCIOUS (CONTINUED)**

Because we are using our intelligence, inquisitiveness, tenacity and the drive to solve questions of the origin of life, we will always put forth every effort it takes to find it. Scientists continuously examine and closely decipher every detail of anything that may have a clue to find the answer to our beginnings. In 1868-69 Dr. Johann Miescher, a Swiss biologist, working in a laboratory in Germany isolated a substance from the pus of hospital bandages.<sup>20</sup> The substance came from the cell's nuclei - he named it nuclein. He did not know what it was or if it was important. After further research its function remained unknown. In 1943 Dr. Erwin Schrodinger believed there was a connection in some type of pattern or code script within nuclein but because he was a theoretical physicist had to depend on the findings of other scientists for the answers. Dr. Schrodinger authored two (2) books, "What is Life?"<sup>21</sup> written in 1944, and "Chemical Bonds"<sup>22</sup> written in 1950. The books, because of his stature as a prominent scientist and the books' relevancy to science, stimulated fellow scientists, positively inspiring their performances. In 1953 Dr. James Watson,<sup>23</sup> Dr. Francis Crick<sup>24</sup> with the help of Dr. Rosalind Franklin<sup>25</sup> found the answer to the connections. It was isolated from a molecule of Calf's thymus. It was nuclein, the similar substance discovered by Dr. Miescher in 1868-69. From it they had discovered the genetic secret of all of life. It was absolutely one of the greatest discoveries in all of science. The name was later changed from nuclein to Deoxyribonucleic Acid<sup>26</sup> to DNA. DNA increasingly continues to help man in countless ways in life, health and well being. Its everyday benefits and applications are endless. Atoms are the building blocks for DNA.<sup>27</sup> DNA is the genetic blueprint and building block for **all Life** - both plants and animals. It is believed that life comes into existence according to environment, necessity, and ability to survive. The DNA for both plants and

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**ATOMS-CELLS-CONSCIOUS (CONTINUED)**

animals are made from only four (4) different DNA chemical blocks called nucleotides. Their arrangement determines whether the end result will be plant or animal.<sup>27A 27B</sup> All types of life, both plant and animals, can communicate and they are conscious of their surroundings. They use them for survival and propagation of life. DNA is the largest known molecule.<sup>28</sup> It is shaped like a twisted spiral strand type ladder called a double helix. DNA is found inside the nucleus of a cell. The DNA is wound very tightly to prevent loss or mutation of genes. Our body has more than 10 Trillion cells.<sup>29</sup> Each cell has 40,000 different genes.<sup>30</sup> Genes denote our eye and hair color and all characteristics of every living animal and type of structure of all plants. Cells communicate by governing basic cellular activates and coordinating cell actions <sup>7D</sup>.

**Recent revelations have identified a substance (Pyrophosphite) found in iron meteorite that may provide a source of energy to positively react as a catalyst with DNA to begin the development of life.<sup>31</sup> Continuing studies are underway. It is believed pyrophosphite is abundant in the universe.**

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## **LIGHT**

Light has been studied by leading scientists since Newton's investigation of it in 1672. Light usually refers to visible light.<sup>31A</sup> It is responsible for the sensation of our sight.<sup>31A</sup> It is a part of electromagnetic radiation that can be seen by our eyes.<sup>31A31B</sup> Light from ordinary sources (fire) is emitted by atoms.<sup>36A</sup> Light acts like both a fundamental particle and an electromagnetic wave.<sup>33</sup> The quantum theory based on Max Planck's radiation law is discrete amount of energy is released by an oscillating Atom as a photon or quantum. The energy of the quantum is equal to the product of the frequency of the radiation.<sup>34</sup> In 1905 Albert Einstein explaining how the photoelectric effect work for the transmission of light by using the discrete energy packets or quanta.<sup>35</sup> Light is still not fully understood.<sup>32</sup>

Light travels in a straight line. Gravity causes light to curve.<sup>38</sup> In the known universe light travels a speed of 186,000 miles per second.<sup>36</sup>

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## CURVATURE OF LIGHT

Before 1905, little was known about creation of the universe. That was the year Albert Einstein put forth the Theory of Relativity, refining it even more in 1915. The two theories opened the door helping to understanding our creation, eventually helped to keep the world overall at peace and saved lives with advances in medicine and technology. The theories have a profound and momentous influence on astrophysics and cosmology guiding our future today. According to theories based on his mathematical principles of general relativity, a ray of light sent from an arbitrary point in space will curve according to the gravitational field through which it is passing. From his field equations of general relativity, under geodesics law, Einstein asserted that all free particles would follow geodesics in curved space-time, that space-time is curved and it is the matter in it that does it, that it is intrinsic without reference to embedding space, and that it would lead to a large curvature where matter is dense and to near-flatness where matter is sparse.<sup>38</sup> Einstein positively and firmly made that declaration. In this hypothesis it is believed the free particles are the remnants from previous "Big Bangs". It is those free particles that provide gravitational mass for light curvature and continuing "Big Bangs". (see "[LIFE RENEWAL](#),"), also see [Light from preceding page](#).

In 1919 he was able to show this geodesic law actually "worked" when having put the equations together and used them to test measurements of light curvature in gravitational fields of planets within our sun's field of gravity.<sup>39</sup> Thus, if a light photon left a point on a journey and traveled into space along a straight line it may eventually return back to its starting point, (see "[LIFE RENEWAL](#)," [PAGES 28 - 30](#)).

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**CURVATURE OF LIGHT (CONTINUED)**

Because of wave duality of light photon as elementary particles it is also the electromagnetic force carrier of the photons. It is further submitted that collectively curvature may intensify gravitational attraction of the speeding elementary particle of the photons and atoms preceding the photons and residual particles in the universe.

It was proven that light travels in a curve in space within our solar system, but it was not proven that it traveled in a curve throughout the universe. Light traveling throughout the universe may spread life infinitely.

As photons travel in space upon approaching any body of matter, (planets, stars or any objects having a gravity field) they curve form their path according to the strength of that matter's gravitational attraction. The draw of the attraction causes the photons to reduce its speed while within the curve.<sup>40</sup>

Besides atoms, the one thing above all others helping to make infinite life possible, is curvature of light. Since 1919 when it was proved that light curves in space, due to beliefs and uncertainty that a light photon's ability to curve in space and return to its starting point has not been accepted by cosmological scientists. That may be largely due to the strong probability of the light photon being stopped by any object of density it may encounter as it travels. Those objects of density may be stars, planets or debris anyplace in the universe. It is the contention of this hypothesis that most light photons upon leaving the spherical mass of the "Big Bang" may possibly travel throughout the universe and return to their starting points. This opinion is based on the theory of the "Photoelectric Effect".<sup>41</sup> The Photoelectric Effect was proven in 1921 by Albert Einstein for which he received his only Nobel Prize.<sup>42</sup> In comparison principal,



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**CURVATURE OF LIGHT (CONTINUED)**

regarding positive or negative charged particles of the Photoelectric Effect, reacting with photon's electromagnetic radiation may be repelled. It is believed that when a light photon strikes any non-illuminated surface that can be illuminated will become illuminated and continue to be illuminated by incoming light photons. Any incoming light photons over and above those that are needed to keep the surface illuminated, because of and similar to the Photoelectric Effect would be repelled to continue their curvilinear journeys back to their starting points.

Exploring another possibility of what could possibly enable a light photon to complete a circle of travel throughout the universe would be to examine light refraction, reflection, diffraction, deflection and common light interference, in conjunction with the Photoelectric Effect (see previous page). An example; from a great distance if planet Earth was miniaturized to the size of a marble, its peaks like Mt. Everest and valleys like the Grand Canyon would disappear, its surface from a distance would appear smooth as glass. Farther along, light photons approaching any non-illuminated planet or body of mass may be repelled by deflection from the planet's surface because its surface could possibly reflect enough light outwardly to repel extra incoming photons. Those planets or bodies of mass may be simply and variably illuminated from distant stars throughout the universe. Although the light may be dim, the outwardly reflected light may be sufficient for the Photoelectric Effect to repel any excess incoming light photons - enabling them to continue their curvilinear journeys. Perhaps that is one reason many planets or bodies of mass remain unseen.

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## **GRAVITY**

Gravity is a universal force of attraction acting between all matter.<sup>16</sup> It exists throughout the universe. Gravity is the weakest known force in nature.<sup>16</sup> It causes all objects to have weight.<sup>16</sup> Gravity's force is relative to the mass of the object.<sup>16</sup> On earth all objects are attracted to the center of the earth.<sup>16</sup>

Gravity is invisible.<sup>17</sup> Weight is a measure of the negative force of attraction of any object having mass.<sup>17</sup> Weight increases as the object gets closer to the center of density.<sup>17</sup> Gravity is an integral part of and encompasses all objects that have mass.<sup>17</sup> Gravity is a force of attraction only between objects that have mass.<sup>17</sup> One of those objects must have unequal density to the other. The higher the density, the stronger it's less resistance to attraction, and the faster it will move toward it. The lower the density, the weaker its strength to higher resistance to attraction, and the slower it will move toward it. Attraction is lessened by distance. Differences in densities will cause positive or negative resistance to attraction. Weight will travel to the strongest point of least resistance. The strength of resistance to attraction is equal to the distance of the object to each other and the mass and densities of each object.<sup>17</sup>

Isaac Newton held that every particle of matter in the universe attracts every other particle with a force that is proportional to the product of their masses and inversely proportional to the square of the distance between them.<sup>17A</sup>

On Earth, the highest density and its strongest attraction of Gravity is at its core. The center is thought by most scientists to be primarily composed of Iron. Every place on Earth all objects are drawn directly to that high density attractions of Gravity. Gravity affects all things throughout the Universe.

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**GRAVITY (CONTINUED)**

The author of this hypothesis believes that gravity is a **NEGATIVE** force of attraction and Dark Matter-Dark Energy is a **POSITIVE** force of repulsion (next page) that are integrated and work together cohesively for flawlessly smooth motion throughout the universe.

## **DARK MATTER – DARK ENERGY**

Dark Matter-Dark Energy is believed to be a **POSITIVE** force of repulsion (author). Its composition is not known. Science has not determined the reason for it to exist. Dark Matter-Dark Energy – only recently has the existence of Dark Matter-Dark Energy over much larger scale than even galaxy clusters been confirmed.<sup>18</sup> That information was discovered in 1995. Since then, due to advances in scientific cosmological research, it has been found that 95% of our universe is composed of Dark Matter-Dark Energy. There is more Dark Matter-Dark Energy in the universe than anything,<sup>19</sup> **It is believed by the author of this hypothesis Dark Matter-Dark Energy work in conjunction with gravity as a positive force of repulsion against objects of mass – counterbalancing the negative attraction that gravity has on mass.** Perhaps the overall reason that Dark Matter-Dark Energy exists is because it acts as an invisible positive force of anti-gravitational control to maintain an even distribution balance of bodies of mass throughout the universe so they will not bunch together. Without Dark Matter-Dark Energy, the universe as we know it could not exist. Normally we think of outer space as unlimited light years of nothing with great distances between stars and planets having only cold, darkness, vacuum and occasionally pieces of debris from exploding stars.<sup>19A</sup> The universe is beyond awesomely huge. Actually outer space is the perfect size to do what it was designed to do – provide for, sustain and renew life. The distance, space, and time balance ratio of uninterrupted light and empty space must remain constant for the continuous formulation of life. The universe must be large enough to accommodate the great distances that speeding light photons need to complete total curvature, (circle). It is believed by this author that gravity and Dark Matter-Dark Energy working together are important for sustaining life;

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**DARK MATTER – DARK ENERGY (CONTINUED)**

**gravity for the negative attraction and Dark Matter-Dark Energy for the positive force.** The author theorizes Dark Matter-Dark Energy may help promote life is by controlling the direction that spiraling galaxies take in the same manner as they do with stars, planets and bodies of mass all simultaneously moving forward (expanding) from the force of the “Big Bang.” It is further believed by this author .that galaxies intermixing and passing through each other combine some of their planets, stars, and bodies, thereby providing more space for development of new stars and planets produced by star nurseries, thus helping further ongoing development of life and the “Big Bang” cycles.

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## **BLACK HOLES**

Black holes are a natural way to keep outer space clean and promote life. Throughout our universe heat and cold react the same; heat expands - cold contracts. In outer space when a star dies - its intense heat goes extremely cold. The sudden loss of heat creates a very strong vacuum or a black hole - so strong it attracts everything surrounding it - even light, (hence the name - black hole). Sizes of black holes vary. They can be small, 3.8 times the mass of our sun,<sup>19B</sup> to enormous gigantic size 10 - 40 billions of times the mass of our sun.<sup>19C</sup> In outer space, the vacuuming is continuous because there is nothing to stop it. High speed action of vacuuming creates an intense coalescence of atoms, cells and space debris, dismantling them and releasing them to the voids of outer space.<sup>19D</sup> The author believes any remaining particles of black holes recycles during the next "Big "Bang". Further the author compares the similar physics of black holes to that of the canning process and preservation of our food. As an example during the canning process while still hot, the food is put into a hot jar. A sealing lid is put on the jar and tightened, sealing the hot food in the jar. When the food and jar cools it creates a vacuum. The bottom of the jar (barrier) MAINTAINS SUCTION holding the lid down, keeping the jar vacuum - preserving the food.

Thus, black holes help to promote life by removing burned out stars and outer space debris.

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**"BIG BANGS"**

Many people do not believe the concept of the "Big Bang" theory or that it ever happened. For many years some scientists were looking for any proof as to where everything in the universe came from, other than what was then accepted by most scientists, which was the theory of "Steady State". The theory of "Steady State" provides that the universe had always existed and would continue to exist without noticeable change.<sup>43</sup> Most scientist were unhappy with that explanation and wished for a more suitable answer. They wanted some type of indicator that could reasonably portray the justification why the universe is the way it is. They wanted a "smoking gun." Then in 1964, by accident, while looking for something else, physicist Dr. Arno Penzias and physicist Dr. Robert Wilson unexpectedly discovered cosmic microwave background radiation. This was a direct link to the "Big Bang". That definitely established the "Big Bang" had occurred.<sup>44</sup> Today, confirmation of the occurrence of the "Big Bang" can be witnessed by watching the television screen. About 1% of the flickering specks in the static of a TV screen are initiated by waves of cosmic microwave background radiation from the moment "Big Bang" happened and provide a strong pillar of evidence for the "Big Bang" theory.<sup>45</sup> On January 30, 2001, NASA reported that moon dust smells like burnt gunpowder.<sup>46</sup> The significance of that discovery is yet to be determined.

The universe functions perfectly according to the way it was designed, to renew and continue life endlessly by providing for the propagation of all life species and to be capable of sustaining them infinitely. That is accomplished by an endless series of "Big Bangs" or a continuous chain of "Big Bangs". **The author submits the idea that "Big Bang" intervals are the pulse of the universe and ongoing life.**

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**"BIG BANGS"(CONTINUED)**

It is unknown if the "Big Bang" is within the confining boundary of a spherical (ball) shape or a large elongated shapeless mass of atoms and photons.

For an infinite series of "Big Bangs" to occur it is sensible to believe it is in a spherical shape for the following reasons: When the "Big Bang" happens, it is the result of the tremendous weight of the atoms and photons from everything that ever existed in the universe is within the spherical mass. The sphere is held together by the attraction of Gravity. As the sphere increases in size, density, weight and attraction (from a steady build up of incoming atoms which have completed their curvilinear journey from previous "Big Bangs"), increases when it reaches an immense size, density and weight to the point the sphere can no longer continue to bear its own weight, it collapses and implodes. That example would be impossible if there was no sphere but only an elongated shapeless mass - there could be no "Big Bangs". The explosion develops into an incredible large nuclear atomic explosion or "Big Bang". The explosion is larger than anything that can ever be imagined. The "Big Bang" is a never ending series of regular occurrences that is a way that life can continue infinitely. Life is not a byproduct of this event but its **only** purpose. "Big Bangs" are separated by billions of years. The last one was 13.8<sup>46A</sup> billion years ago ([See Life Renewal page](#)). All "Big Bangs" are similar, i.e., each event within every "Big Bang" occurs at the same point in time within all other "Big Bangs". At the moment the "Big Bang" happens the explosive force and intense heat dismantle the atoms into a primordial mix of diffused subatomic particles, (electrons, protons, and neutrons) quarks and vibrating strings. The intense heat stop movement of the light photons - leaving the Big Bang in **total darkness**.<sup>46B</sup> The explosive force of "Big Bang" cause the



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**"BIG BANGS" (CONTINUED)**

primordial mix to overcome the gravitational attraction of the now dwindling sphere ejecting "The Mix" and clumps into an empty universe **(except for small free particles from previous "Big Bangs) (see reference #38 and page #13).** The previous sentence concerning clumps is not a proven theory, but it is widely accepted by astrophysicists because it conciliates theory with observation.<sup>47&48</sup> At this very important time of the "Big Bang" the subatomic particles begin to recombine or the nucleosynthesis process begins. It is unknown by this author why the subatomic particles recombine to once again become atoms. Perhaps it is part of the natural attraction process brought about by lowering temperature changes within the subatomic particles permitting them to reunite with other subatomic particles within their compatibility working temperature range.

After the "Big Bang" vibrating strings (see page 10) combine into Quarks, then the protons and neutrons. With those subatomic particles – the lighter elements can formulate into atoms. Those elements are hydrogen, helium, oxygen and similar elements. Hydrogen is the most abundant element in the universe, primarily water. It makes up 75% of all matter.<sup>49</sup> Further cooling enable the electrons to recombine and light photons to move freely. Once again there is light.<sup>49A</sup> With the electrons heavier elements can formulate.<sup>49B, 49C</sup> Some of those elements are iron, copper, lead, gold, etc. With both lighter and heavier elements, development of life and all that we are familiar with, animals, cars, chocolate can eventually exist. Because atoms are so perfectly designed in every detail they will formulate precisely into the same fundamental composition of every item in the universe.

## **"BIG BANGS" (CONTINUED)**

During the recombining/nucleosynthesis of the strings, flavors of quarks and subatomic particles into atoms will recombine and make the same exact subatomic particles necessary to duplicate the same accurate atom to make the same precise item as it was previously, even when those particles were still within the primordial mix rapidly speeding away from the "Big Bang" explosion. It is because of those reasons that in the newly forming universe all things will be exactly the same in the previous universe exactly the same down to the exact atom. Every wave on the ocean, every eye blinked, every leaf turned by the wind, would be the same and function the same as previously.

Still rapidly speeding from the force of the "Big Bang" atoms, photons and clumps continue being hurled under pressure into outer space from the explosive force of the "Big Bang". It is unknown if atoms are spread throughout the universe from that pressure alone. It may be possible that one (1) photon could affect the two (2) atoms; examining singularly one atom (among many) may proceed just ahead of a light photon. Riding on the crest of the swell of the photon or it may interact simultaneously and be wuffed forward by the photon, while at the same time another atom under pressure from the force of the explosion of the "Big Bang" may follow behind the same photon as the photon speeds through space. Considering also as the photon travels in space propelled by its unit of electromagnetic wave (plus the pressure of the "Big Bang" explosion), the photon may create a trough with a low differential pressure or a small negative suction behind it attracting the atom, (outer space is not totally empty or a total vacuum - i.e., small leftover particles from previous "Big Bangs").

## **"BIG BANGS" (CONTINUED)**

Electromagnetic attraction between parallel speeding atoms and light photons may result in developing into clusters - eventual spherical masses and life. ([see ATOMS-CELLS-CONSCIOUS](#))

In some regions in outer space it may be possible for atoms to be moved by photons. Outer space temperatures vary from  $-456.67^{\circ}\text{F}$  up to  $+18,000^{\circ}\text{F}$ . In the interstellar regions of our milky way galaxy the temperatures vary from  $-440^{\circ}\text{F}$  to  $+1,340^{\circ}\text{F}$ .<sup>50</sup> In 1997 Dr. Steven Chu was awarded the Nobel prize in physics for having discovered how to move and manipulate atoms with photons by lowering temperature of the atom and moving it with six laser beams. When energy of moving photon resonates with energy of the moving atom the photon will transfer its momentum to the atom giving it direction at which the photon was moving.<sup>51</sup>

Dr. Ken Mellendorf - U.S. Dept. of Energy, Illinois Central College, physics instructor, has stated the following concerning movement of atoms caused by photons: Even though a photon has no mass, it still has momentum and kinetic energy. The photon adds most of its energy to the kinetic energy of the electron. The photon, electron, and nucleus interact. Energy and momentum are conserved.<sup>52</sup> Most of the energy enters the electron, raising it to a higher state. This is a rotational effect. In order to maintain momentum, a small amount of the energy enters the motion of the nucleus, giving the atom a new velocity through space and a new kinetic energy.<sup>52</sup> Outer space being relatively gravity free, seemingly would make it easier for photons to move atoms. **THE FINDINGS OF BOTH SCIENTISTS, DR. CHU AND DR. MELLENDORF, POINT INTO THE DIRECTION OF HOW IT MAY BE POSSIBLE FOR PHOTONS TO BROADCAST ATOMS**

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**"BIG BANGS" (CONTINUED)**

**THROUGHOUT THE UNIVERSE FOR DISTRIBUTION OF ATOMS AND EVENTUAL  
LIFE (see [ATOMS-CELLS-CONSCIOUS](#)).**

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**LIFE RENEWAL**

From the first "Big Bang" and afterwards the enormous atomic explosion that hurls atoms, light photons and clumps into space and the empty universe may eventually formulate into DNA and life. How many times has this happened previously? (see "[CURVATURE OF LIGHT - Free Particles](#)"). When measured mathematically, the arc of the travel of light, the photons and atoms combined with their speeds, scientists can determine the time they will need to complete their curvilinear journeys. By calculating both the time used by the actual "Big Bang" and the time employed by light and atoms to complete their circles since the previous "Big Bang", the mystery as to just when the next "Big Bang" may be resolved. Further, by concluding the age of quarks, time used by the actual "Big Bang" and their frequency intervals are known, not only could the initial time of the "universal conception" be predicted but the number of "Big Bangs" since and the next to come then could be predicted as well.

Some of the information from the previous statement (age of quarks, and frequency interval of "Big Bangs") seems so far removed from today's cosmological science, but we are at the infancy stage of that endeavor. Scientists are progressing cautiously, deliberately and optimistically. Because of the extreme cost of research, complicated technology issues and importance of positive results scientists can only go forward as conditions permit.

In the distant future, studies of our struggles with that primitive scientific research, will be in the historical archives of our past.

After each "Big Bang" when the universe is fresh with a great abundance of atoms and light photons that eventually enrich the empty universe with atoms

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**LIFE RENEWAL (CONTINUED)**

and photons, it is possible, if the conditions are perfect with the presence of DNA, life may develop - conditions permitting.

After eons of time, the universe, with its light photons and atoms still traveling from the force of the pressure of the "Big Bang"<sup>56</sup> and the electromagnetic radiation force carriers - (gauge bosons) propel the photons and atoms to 186,000 miles per second (MPS).<sup>56A</sup> In 1925 Edwin Hubble, astronomer scientist, discovered the universe was expanding at a rate proportionate to the same velocity based on Einstein's 1907 formula for the speed of light in a vacuum of 186,000 MPS.<sup>56B</sup>

On Sep. 4, 2002 NASA stated the universe is **accelerating** in its outward expansion.<sup>56C</sup> The statement from NASA that the universe is accelerating on its outward expansion was a surprise and did seem possible. Later the accelerating outward expansion rate of the universe was verified by countless astrophysicists & cosmologists. The author theorizes that the **normal** speed of light of 186,000 miles per second within the known **CONGESTED** areas of the cosmos; (galaxies, stars, planets) remains at that normal "steady state" speed, but farther into the emptiness of virgin space there is nothing to slow the light photons and atoms down except for the extremely sparse free particles from **previous** "Big Bangs", [Please Refer to Curvature of Light](#). In this area - after light reaches its normal state speed, it does not rest at that speed but again after each second begins accelerating, **(double speeding)** an additional 186,000 MPS to 372,000 MPS. Upon reaching the new speed, again, the next second the latest new speed does not rest, but accelerates another 186,000 MPS to 458,000 MPS

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**LIFE RENEWAL (CONTINUED)**

continuing this pattern for eons, but never increasing **incrementally** each second faster than 186,000 MPS. That hypothesis **MAY** account for as to how our universe is rapidly expanding, accelerating as it is increasing the light speeds faster than the imagination can comprehend, literally illuminates its past presence with life. Because the universe is so large and the incremental double speeding of the increasingly rapid expansion of our universe will make future predictions of the initial time of universal conception and the previous number of "Big Bangs" since difficult to predict, (previous page). Finally completing their curvilinear journeys throughout the universe great quantities of atoms and light and photons returning to their starting points as in all previous "Big Bangs" (author). They quickly form a large spherical mass. With the intensity of the returning light photons and atoms the size of the spherical mass is substantially augmented. Because of the massive quantity of atoms and light photons hurled into space from previous "Big Bang" close to the same time, the ones that complete their journeys return close to the same time adding to the impact forming the rapidly growing spherical mass. As the size of the spherical mass increases it's gravitational attraction becomes stronger, causing some of the atoms and light photons to curve which increases their density adding even more to the impact on the growing spherical mass - further increasing its size resulting in an even stronger attraction. Resulting in another,, "Big Bang".

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**EPILOGUE**

As a life-form we populate this planet, coexist with its inhabitants and accept all of it as absolutely our own. We have our likes and dislikes, traditions, excesses, strengths, weaknesses and depend on each other and our planet to survive.

Most of the things that happen we accept without question. Normally, we reconcile our beliefs, hopes and desires commensurate to our expectations.

As the universe continues to expand, the planets and stars change similarly. Because the universe, planets and stars are so large the changes that take place on the planets and stars seemingly happen very slowly. As those changes take place, we (man), lesser creatures and plants must change or evolve to accommodate those changes accordingly. Only the fittest animals and plants survive the evolutionary process. Because of our superior progressive intelligence (ability to learn, remember, reason and apply...) survival instincts and physical prowess we, in the past, have been able to adapt and evolve with little noticeable change. Lesser creature's lower intelligence, reasoning, physical prowess and survival instincts evolve too, but at a much slower pace. If lesser creatures and plants are unable to keep pace with changes in evolution they become extinct.

The last "Big Bang" was close to 13,800,000,000 years ago.<sup>46 A</sup> Our Earth is 4,500,000,000 years old.<sup>52A</sup> Human's came into existence 6,000,000 years ago, modern man 100,000 to 200,000 years ago.<sup>53, 54</sup> Since existence of earth, due to asteroid and comet strikes -- many civilizations could have come and gone.<sup>55</sup>



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**EPILOGUE (CONTINUED)**

It has been a challenge to learn of the events of what may be how the "Big Bang" works as a catalyst together with the universe to perpetuate infinite life.

For the fragile chain of events as depicted in this theory to materialize are slim. It's like grabbing at straws. From what has happened in the past, what is presently known and what is projected, presents only a narrow margin to go on. It's going to be a busy and tough road ahead for scientists.

It is very unlikely and unfounded to believe we are the only life in our universe. Many parts of this hypothesis have advocated how it may be possible that with the curvature of light and atoms, life may exist infinitely everywhere environmental conditions permit. It is expected and natural that life exists in every place possible throughout our huge universe and not just this tiny spot.

Scientists of cosmology and astrophysics through their aggressive and unrelenting work are finding positive ways to determine why and how our universe exists. If successful, it would be a great revelation for most of us to become aware of all the benefits of those endeavors. In any case, hopefully, this hypothesis can help them get the support they must have for what lies ahead while preparing for our future. It may further help all of us survive to understand our origins, purpose and infinite life.

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## THE INFINITE

Does the perpetual existence of the physical birth of each man, throughout the occurrence of endless "Big Bangs" fulfill our expectations of infinite life, or is it possible at the end of a physical life an infinite spiritual life will follow? That is a very important question for all of us. The correct answer to the question is complex and remains unknown. Though I don't know the answer, I don't know anyone that does, but there are two replies to the question. The first reply to the question is that it is a worldwide issue. Many individuals have their personal traditional beliefs, **which are unproven** but, they are satisfied with them and the majority of those persons are not interested in changing their beliefs. **Structured socialized camaraderie in faith is a good thing. It prevents wars, promotes peace, harmony, and life in our world.** The second reply to the question is; everything that exists is a result of cause to be by natural selection. Because of the fact that we do exist and the supremely perfect structure of the atoms, the photons, DNA and their spectacular cohesive working relationship to formulate every detail of all types of life that are compatible and rely on each other, our earth and our universe for survival plus the absolutely flawless elegance of the changing universe itself may follow the path of light as related in this hypothesis.

Is a combination of both replies correct?

Life is incredibly perfect and precious. Its existence, reasons and commitments are **INFINITE** .

With things we want and expect, we must be honest, realistic, unselfish, and condition our hopes with truth, and gratitude that we exist.

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**End Of The Hypothesis**

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**Goffrey V. Wolfe**

**Signed**

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**Jack3879@embarqmail.com**

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