

# THE SEARCH FOR NEW PHYSICAL PRINCIPLES

## A Working Hypothesis for Tentative and Plausible ‘Explanations’ to Various Religious and Paranormal Type Phenomena

by

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The purpose of this paper is to attempt to provide tentative and plausible ‘explanations’ to many religious and paranormal type phenomena as a result of using a working hypothesis derived from the author’s paper entitled *A NEW PERSPECTIVE ON ADVANCED SPACE TRAVEL* (See Ref. 1).

The following is a definition of *working hypothesis* :

“A working hypothesis is a hypothesis that is provisionally accepted as a basis for further research in the hope that a tenable theory will be produced, even if the hypothesis ultimately fails. Like all hypotheses, a working hypothesis is constructed as a statement of expectations, which can be linked to the exploratory research purpose in empirical investigation and is often used as a conceptual framework in qualitative research.”

(See URL [https://en.wikipedia.org/wiki/Working\\_hypothesis](https://en.wikipedia.org/wiki/Working_hypothesis) )

It is the belief of this author that the best working hypothesis is the simplest one that heuristically explains the greatest number of paranormal type phenomena. Most evidence presented in this paper is either from the Bible or from anecdotal sources not connected with the Bible. Solutions are intended to be tentative, plausible and heuristic. The author’s definition of heuristic is ‘in the right direction’. So called ‘explanations’ are in most cases entirely without the support of mathematical analysis, and seem artificial and contrived, which the reader and the author should equally find frustrating. However, it is the belief of the author that an attempt has to be made to find and attempt to justify new physical principles, which is the goal of any scientist. This is a working hypothesis, and is considered by the author as a first slash at the many conundrums presented in this paper. There are obviously many more which could and should be added. The ultimate goal is to make these presentations more analytical and mathematical; however, the author is not, from a philosophical point of view, totally mechanistic, but believes that a balance between mechanistic statements and teleological statements yields the best road to reality, which is another goal of the scientist. I invite scientists and non-scientists to tear and rip the ‘explanations’ presented in this paper to pieces. That is the only true way to obtain a hard consensus as to the reality of nature in all of its forms.

Definition of *heuristic*:

Involving or serving as an aid to learning, discovery, or problem-solving by experimental and especially trial-and-error methods. Of or relating to exploratory problem-solving techniques that utilize self-educating techniques (such as the evaluation of feedback) to improve performance.

(See URL <https://www.merriam-webster.com/dictionary/heuristic> )

The author is highly serious when he issues the following forewarning to any potential reader of this paper.

**The reader should be forewarned that the author is Christian and uses several examples from the New Testament.**

That being said, the author is, in effect, attempting to offer a tentative ‘explanation’ to as many of the Bible miracles as he possibly can, in addition to other types of paranormal phenomena outside of the Bible. Furthermore, for any Christian readership, the author claims that his ‘authority’ (if that be the proper word or perhaps ‘basis’ should be used) for such ‘explanations’ lies in two places in the Bible: (1) in 1 Thessalonians 5:21 says “Prove all things:...” This is an assertive or categorical proposition, which is totally consistent with science. Note that it does not say prove ‘some’ things, it says prove ‘all’ things. (2) in Matthew 17:20, Christ says “If ye have faith as a grain of mustard seed, ye shall say unto this mountain, Remove hence to yonder place; and it shall remove; and nothing shall be impossible unto you.” This is a conditional or hypothetical proposition because it is prefaced with the word ‘If’. Christ is affirming our ability to do seemingly miraculous types of things; provided that we possess other characteristics. He is definitely NOT saying that we will NEVER be able to do seemingly miraculous things, he affirms that if we had these other characteristics or qualities, that nothing would be impossible for us.

### ***I. A Reasonable Working Hypothesis***

From Ref. 1, a portion of Section 9 is presented.

#### “9    *Is the weak interaction harboring a powerful energy source?*”

*Just what is the plausible physical nature of the weak interaction? This endeavor starts out by noticing the similarity in values of two particular numbers. We begin by giving the following sets of values which will be used in the calculation of those two numbers.*

$M_w = \text{considered to be the average boson mass of the weak force} = 91 m_p$

$m_p = \text{mass of the proton} = 1.673 \times 10^{-24} \text{ g}$

$m_e = \text{mass of the electron} = 9.109 \times 10^{-28} \text{ g}$

$h = \text{Planck's constant} = 6.626 \times 10^{-27} \text{ erg sec}$

$G_o = \text{gravitational constant} = 6.670 \times 10^{-8} \text{ dyne cm}^2 \text{ g}^{-2}$

$r_{Go} = (G_o h/c^3)^{1/2} \text{ cm}$

$R_{oA} = \text{a value, which is assumed to be comparable to the range of the weak force} = \sim 10^{-17} \text{ cm}$

$c = \text{speed of light} = 3 \times 10^{10} \text{ cm sec}^{-1}$

$m_p / m_e = 1836.12$

*The first number  $N_1$  to be calculated is*

$N_1 = r_{Go} M_w^3 \text{ cm g}^3$

*where  $r_{Go} = (G_o h/c^3)^{1/2} \text{ cm}$*

$r_{Go} M_w^3 =$

$[6.670 \times 10^{-8} \text{ dyne cm}^2 \text{ g}^{-2} \times 6.626 \times 10^{-27} \text{ erg sec} / (3 \times 10^{10} \text{ cm sec}^{-1})^3]^{1/2} [91 \times 1.673 \times 10^{-24} \text{ g}]^3$

$$r_{Go} M_w^3 = 1.428 \times 10^{-98} \text{ cm g}^3$$

The second number  $N_2$  to be calculated is

$$N_2 = R_{oA} m_e^3 = (10^{-17} \text{ cm})(9.109 \times 10^{-28} \text{ g})^3$$

$$R_{oA} m_e^3 = 0.756 \times 10^{-98} \text{ cm g}^3$$

It is extremely coincidental that these two numbers are that close. The hypothesis of this paper is that these are, in reality, an equivalence, viz.  $N_1 = N_2$  or

$$r_{Go} M_w^3 = R_{oC} m_e^3$$

When this assumption is made, a calculated value  $R_{oC}$  from this postulated equivalence is

$$R_{oC} = r_{Go} M_w^3 / m_e^3 = 1.428 \times 10^{-98} \text{ cm g}^3 / (9.109 \times 10^{-28} \text{ g})^3 \text{ or}$$

$R_{oC} = 1.889 \times 10^{-17} \text{ cm}$ , which is roughly ten times less than the value calculated from the uncertainty principle for the vector boson of  $91m_p$ .

Could this particular set of dimensions,  $\text{cm g}^3$ , be especially predisposed to a relationship between the weak interaction and the gravitational 'constant'? We can explore this possibility further by attempting to create a simple non-quantum mechanical model of the weak interaction in order to determine its true nature.

To this end, let the model begin with a tiny variable electric dipole according to the following equation

$$p = q (R_{oC} - R) \text{ esu cm, where } q = (2hc)^{1/2} \text{ esu, } R_{oC} = r_{Go} M_w^3 / m_e^3,$$

$R = r_G M_w^3 / m_e^3$ , where  $r_G = (G h/c^3)^{1/2}$ ,  $G$  now considered to be a real scalar variable for computational purposes.

We then form the square of  $p$ ,

$$p^2 = q^2 (R_{oC} - R)^2 \text{ esu}^2 \text{ cm}^2, \text{ noting that } \text{esu}^2 \text{ cm}^2 = \text{erg cm}^3.$$

We now posit that the weak interaction is activated by the variable  $G \rightarrow 0$ . Then we can take the limit

$$\text{Limit}_{G \rightarrow 0} p^2 = q^2 R_{oC}^2$$

$$q^2 R_{oC}^2 = (2hc)(1.889 \times 10^{-17} \text{ cm})^2 =$$

$$(2 \times 6.626 \times 10^{-27} \text{ erg sec} \times 3 \times 10^{10} \text{ cm sec}^{-1})(3.568 \times 10^{-34} \text{ cm}^2)$$

$$q^2 R_{oC}^2 = 1.419 \times 10^{-49} \text{ erg cm}^3.$$

We already know that the Fermi weak interaction constant is  $1.41 \times 10^{-49} \text{ erg cm}^3$  so that this simplistic model is somewhat instructive. It is to be emphasized that this is a model and not a theory. If a successful theory incorporating a variable gravitational 'constant' into the weak interaction is ever developed, then one of the expectations is that this model, or something close to it, would possibly be derived.

What the above hopefully shows is the possibility of a relationship between the gravitational 'constant' and the weak interaction. Assuming that this is the case, how could this posited assertion be verified experimentally?

One way is by calculating (using the uncertainty principle) the mass associated with the value

$R_{oc} = 1.889 \times 10^{-17}$  cm. This value is  $M_{oc} = 1118 m_p$ . If this theory is correct, then CERN should find a new particle at around 1118 times the mass of the proton.”

You can read Ref. 1 at three places :

URL <http://www.scirp.org/Journal/PaperInformation.aspx?PaperID=56925>

or at URL <http://vixra.org/abs/1606.0305>

or at URL [https://www.researchgate.net/profile/Peter\\_Bissonnet/contributions](https://www.researchgate.net/profile/Peter_Bissonnet/contributions)

The **working hypothesis** is that there is a variable gravitational scalar ‘constant’ at work in the nucleons of all nuclei in conjunction with the weak interaction; that there is an associated new type of electromagnetic field which can be derived from this variable gravitational scalar ‘constant’, which is presumed to permeate all living things, and that the mind (both conscious and subconscious), in conjunction with the soul, can manipulate this new type of electromagnetic field and other variables mentioned in the above paper. This working hypothesis therefore considers that this new type of electromagnetic field is part of the biologically active force which is present in the phenomena called life.

## ***II. Other Important Concepts Defined***

A. *Nature* (See Ref. 2) - the sum total of all things in time and space.

B. *Natural Science* (See Ref. 2) - the systematized knowledge of nature and the physical world, including zoology, botany, chemistry, physics, geology, etc.

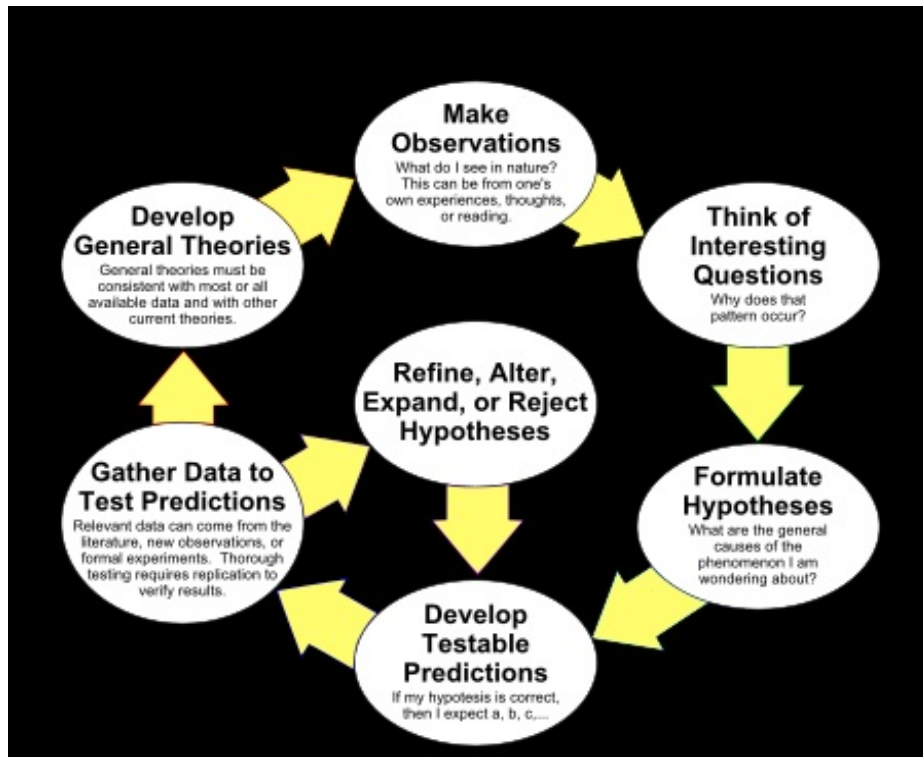
C. *Science* (See Ref. 2) - systematized knowledge derived from observation, study, and experimentation carried on in order to determine the nature or principles of what is being studied.

D. *Scientific Method* (See URL [https://en.wikipedia.org/wiki/Scientific\\_method](https://en.wikipedia.org/wiki/Scientific_method)) -

The scientific method is a body of techniques for investigating phenomena, acquiring new knowledge, or correcting and integrating previous knowledge.[2] To be termed scientific, a method of inquiry is commonly based on empirical or measurable evidence subject to specific principles of reasoning.[3] The Oxford Dictionaries Online define the scientific method as "a method or procedure that has characterized natural science since the 17th century, consisting in systematic observation, measurement, and experiment, and the formulation, testing, and modification of hypotheses".[4] Experiments need to be designed to test hypotheses. The most important part of the scientific method is the experiment.[5]

The scientific method is a continuous process, which usually begins with observations about the natural world. Human beings are naturally inquisitive, so they often come up with questions about things they see or hear and often develop ideas (hypotheses) about why things are the way they are. The best hypotheses lead to predictions that can be tested in various ways, including making further observations about nature. In general, the strongest tests of hypotheses come from carefully controlled and replicated experiments that gather empirical data. Depending on how well the tests match the predictions, the original hypothesis may require refinement, alteration, expansion or even rejection. If a particular hypothesis becomes very well supported a general theory may be developed.[1]

Although procedures vary from one field of inquiry to another, identifiable features are frequently shared in common between them. The overall process of the scientific method involves making conjectures (hypotheses), deriving predictions from them as logical consequences, and then carrying out experiments based on those predictions.[6][7] A hypothesis is a conjecture, based on knowledge obtained while formulating the question. The hypothesis might be very specific or it might be broad. Scientists then test hypotheses by conducting experiments. Under modern interpretations, a scientific hypothesis must be falsifiable, implying that it is possible to identify a possible outcome of an experiment that conflicts with predictions deduced from the hypothesis; otherwise, the hypothesis cannot be meaningfully tested.



E. *Teleology* (See Ref. 2) - The study of final causes. A belief, as that of vitalism, that natural phenomena are determined not only by mechanical causes but by an over-all design or purpose in nature: opposed to mechanism.

*Teleology* (See Ref. 3) - in philosophy, term applied to any system attempting to explain a series of events in terms of ends, goals, or purposes. It is opposed to *Mechanism*, the theory that all events may be explained by mechanical principles of causation.

F. *Mechanism* (See Ref. 2) - the theory or doctrine that all the phenomena of the universe, particularly life, can ultimately be explained in terms of physics and chemistry, and that the difference between the organic and the inorganic is only in degree: opposed to vitalism.

G. *Anecdotal (Testimonial) Evidence* - non-scientific observations or studies, which do not provide proof but may assist research efforts.

See URL: <http://www.dictionary.com/browse/anecdotal-evidence>

see also URL: <http://skepdic.com/testimon.html>

Based upon the above definitions, including the definitions of working hypothesis and heuristic, the author resolutely believes that there is nothing specifically in the natural world or in the methodologies of science or logic which automatically precludes the potential existence of religious miracles or paranormal phenomena. This in no way guarantees their existence, but the working hypothesis, which is in itself not as yet verifiable, may provide a hoped for rational attempt at a plausible solution to such inexplicable phenomena written and talked about by

religious authorities and in other anecdotal fashion for hundreds of years. The methodologies of science may be used to investigate these phenomena. The only stumbling blocks are the lack of repeatability in experimentation and the lack of a theory to explain such phenomena. The lack of repeatability in no way precludes the real existence of such phenomena. This working hypothesis is an attempt to provide a theory to explain such phenomena, when such repeatability does finally arise.

### III. Discussion of Inexplicable Phenomena

#### A. Levitation

Ref. 1 assumes the following  
 “The mass-velocity vector will be defined as follows:

$$d \xi_{(1)}^\mu = [ a u^\mu + i b \varphi^{/\mu} ] ds \dots \dots \dots (1)$$

where  $a = (|\eta| m_0 c^2)^{1/2}$  and  $b = (m_0 c^2)^{1/2}$  and  $|\eta| = |G/G_0|$  where  $|G|$  is the absolute magnitude of a variable scalar gravitational scalar ‘constant’ and is assumed to be generally complex, and, hence; dependent upon space and time coordinates (and therefore capable of being Fourier analyzed or at least to a degree, stochastic, such as the time dependence of raindrops on a roof).  $G_0$  is the usual gravitational scalar ‘constant’;  $m_0$  is the mass of the spacecraft in its rest frame, and  $u^\mu$  is the four velocity  $dx^\mu/ds$ .

$\varphi$  must have the dimensions of cm since  $\varphi^{/\mu}$  is dimensionless.  $\varphi$  is produced by the new ‘electric’ dipole  $p$  (esu cm) of the weak force. The simplest way to define  $\varphi$  is to just let  $\varphi = p/q$ , where  $p = q (R_{oc} - R)$  and where  $p$  has the dimensions of esu cm. (See Section 9)”

Thus the mass velocity vector has built into it the concept of apparent mass defined as  $m_{\text{apparent}} = |G/G_0| m_0$ . In other words, as  $G \rightarrow 0$ , the mass of the object becomes lighter and lighter. This would ‘explain’ the walking on water performed by Jesus. There also seems to be anecdotal evidence of some Saints and Tibetan monks having and/or using the power of levitation to move heavy stones.

For a list of Saints see the following URLs  
<http://catholicsaints.info/saints-who-had-the-gift-of-levitation/> and also URL  
<http://www.pravdareport.com/society/anomal/09-11-2005/9197-levitation-0/>

#### B. Invisibility and its associated Transposition of Matter

Suppose there is a baseball traveling at momentum  $\mathbf{p}_1$ , and it is headed for a large block of stone which is at rest. We assume that the conservation of momentum holds before and after collision, namely:

$\mathbf{p}_1 = \mathbf{p}_2 + M_0 \mathbf{v}$ , where  $M_0$  is the mass of the block of stone and  $\mathbf{v}$  is its recoil velocity vector.  $\mathbf{p}_2$  is the recoil momentum of the baseball after collision. Now suppose we are able to ‘activate’ the variable gravitational scalar ‘constant’ within the nucleons of the stone block.

We now have  $\mathbf{p}_1 = \mathbf{p}_2 + |G/G_0| M_0 \mathbf{v}$ . If we let  $G \rightarrow 0$ , we then have  $\mathbf{p}_1 = \mathbf{p}_2$  so that the baseball does not bounce off the stone block. Now consider if the baseball were a photon, then

there would be no reflection, hence *invisibility*.

Now consider the associated idea of *transposition of matter* or in other words, matter passing through matter with no impedance. If we go back to the baseball, we have  $\mathbf{p}_1 = \mathbf{p}_2$ , but the stone block is still there; however, it has no inertia, so we have to conclude that the baseball traverses the stone block with no impedance to its passage.

See the following URL <http://www.soul-guidance.com/houseofthesun/showersstones.html> for anecdotal/testimonial examples of stones that were perceived coming into a house through window glass without breaking the glass (Source of URL: Montreal Herald (Montreal, Canada), Jan 14, 1890, page 2). There are plenty more stories of falling stones coming down slowly or in many cases breaking window glass.

Ivan T. Sanderson (See Ref. 4) relates how experiments were performed on large Atta ant queens, who were confined tightly in chambers as hard as concrete, from which they could not leave. How they made a slice on one of these chambers, at which time they sprayed the large queens with dye in certain patterns and then how the chambers were resealed. Later, the chambers were opened and the queens were gone. To quote Sanderson "Further digging in some cities within hours brought to light, to the dumbfoundment of everybody, apparently the same queen, *all duly dyed with intricate identifying marks*, dozens of feet away in another super-concrete-hard cell, happily eating, excreting, and producing eggs! This has been observed time and time again."

### C. Teleportation or Instant Transference

This is related to the previous A in which was given the definition of the mass velocity vector

$$d\xi_{(1)}^\mu = [a u^\mu + i b \phi'^\mu] ds, \text{ as well as to B.}$$

In this case the gradient  $\phi'^\mu$  containing gradients, both space and time gradients, comes into play and theoretically projects the apparent mass, depending upon the value of the gradients, slowly or very rapidly in an almost instantaneous manner. In the latter extreme case, the mass could *disappear* from sight due to *invisibility* as in Section B and then move extremely rapidly, appearing not to traverse the intervening space, before *reappearing* at another spatial point. For the following anecdotal story see URL

[https://en.wikipedia.org/wiki/1593\\_transported\\_soldier\\_legend](https://en.wikipedia.org/wiki/1593_transported_soldier_legend)

On October 24, 1593, the soldier was doing his job guarding the Governor's palace in Manila. The night before, Governor Gómez Pérez Dasmariñas was assassinated by Chinese pirates, but the guards still guarded the palace and awaited the appointment of a new governor. The soldier began to feel dizzy and exhausted; he leaned against the wall and rested for a moment with his eyes closed. When he opened his eyes a few seconds later, he found himself in a seemingly unfamiliar place: in Mexico City far away from Manila. Some guards found him in the wrong uniform and began to question him on who he was. The news of the assassination of the Governor of the Philippines was still unknown to the people in Mexico City. The transported soldier was reportedly wearing the palace guards' uniform in Manila and knew of his death. (In fact, Pérez Dasmariñas was killed at sea some distance from Manila.) The authorities placed him in jail for being a deserter and with charges of being a servant of the devil. Months later, news of the governor's death came on a galleon from the Philippines to Mexico City. One of the passengers recognized the imprisoned soldier and said that he had

seen him in the Philippines a day after the death of the Governor. He was eventually released from jail by the authorities and allowed him to go back home.

Ivan T. Sanderson and the Atta ant is mentioned here again, as well in B above, because he considered the disappearance of the queen ant as an act of ITF or *instantransference*.

#### **D. Dematerialization and Rematerialization**

In Ref. 5, pp 274-275 and 279 there are more anecdotal references to stones materializing and falling from the ceiling inside houses. Also see the discussion at B.

#### **E. Telekinesis or Psychokinesis**

This could be explained by the presence of the new electromagnetic field  $L^{\mu\nu} = -\frac{1}{4} |\eta|^{1/2} m_0 c^2 R_{oc} ( [\eta^{-1/2} (\eta^{/\mu} u^{\nu} - \eta^{/\nu} u^{\mu}) - \eta^{* -1/2} (\eta^{*/\mu} u^{\nu} - \eta^{*/\nu} u^{\mu}) ]$  where  $|\eta| = |G/G_0|$  and  $\eta = G/G_0$ , which is in general complex and a function of time and space coordinates.  $\eta^{/\mu}$  represents the gradients in G. If the conscious mind is capable of manipulating  $L^{\mu\nu}$ , then we might regard the gradients of  $\eta$  as having attributes similar to an extended arm or hand which can manipulate physical systems located in the environment surrounding the mind.

#### **F. Tractor Beam**

Telekinesis or Psychokinesis on a very large scale, and thus probably on a ‘commercial’ scale, that is, it is probably capable of being produced outside of the living body, and thus not involving the mind directly.

#### **G. Poltergeist Effects**

Similar to Telekinesis or Psychokinesis, but instead, this paper assumes poltergeist effects to be produced by the subconscious mind. Since G, the variable gravitational scalar ‘constant’, in general, is assumed mathematically to be a complicated function of space and time coordinates involving the  $i = (-1)^{1/2}$  with analyzable wave and wave-like properties. Poltergeist effects also include the movement of objects and the affecting of electrical currents. The postulated new type of electromagnetic field  $L^{\mu\nu}$  would make a good candidate for explaining these types of effects.

See URL:

<http://publicparapsychology.org/Public%20Parapsych/Poltergeist%20Phenomena%20Primer%20Final.pdf>

The above URL publication presents that poltergeist activity falls off with the same type of mathematical formula as the Yukawa potential  $[(1/r)\exp(-ar)]$ . It is known that the Yukawa potential is derived from the Klein-Gordon equation. If one were to take the mathematical divergence of  $L^{\mu\nu}$ , one would end up with a very non-linear wave equation in  $\eta$ . Could the Yukawa potential be one of the solutions of this very non-linear wave equation? Quien sabe!

#### **H. Auras and the Imprinting of Aural Effects**



Many holy figures are represented with halos of light surrounding their heads and bodies. The postulated new type of electromagnetic field might be responsible for this effect as well as the Kirlian aura. The Shroud of Turin could also be the result of a type of electromagnetic 'photography' by this new type of electromagnetic field. It is assumed by the working hypothesis that the new type of postulated electromagnetism can be manipulated by the conscious and subconscious mind. What if this new type of postulated electromagnetism is part of the soul of a person and that when the soul of a person leaves the body after death, that this postulated electromagnetic field also leaves. The Scriptures say that Jesus gave up the ghost while still on the Cross, but what if his Spirit, along with this new type of electromagnetic field actually left later, after he was covered with the burial cloth and placed into the stone crypt. His Spirit and its associated new type of electromagnetic field could have imprinted his body and facial features on the burial cloth upon exiting.

Luke 23: 46 And when Jesus had cried with a loud voice, he said, Father, into thy hands I commend my spirit: and having said thus, he gave up the ghost.

## **I. Multiple Personality Disorder**

Dissociative Identity Disorder (formerly until 1994 referred to as Multiple Personality Disorder)

### ***Symptoms:***

The following criteria must be met for an individual to be diagnosed with dissociative identity disorder (DID):

1. The individual experiences two or more distinct identities or personality states (each with its own enduring pattern of perceiving, relating to, and thinking about the environment and self). Some cultures describe this as an experience of possession.
2. The disruption in identity involves a change in sense of self, sense of agency, and changes in behavior, consciousness, memory, perception, cognition, and motor function.
3. Frequent gaps are found in memories of personal history, including people, places, and events, for both the distant and recent past. These recurrent gaps are not consistent with ordinary forgetting.
4. These symptoms cause clinically significant distress or impairment in social, occupational, or other important areas of functioning.

This information is at the following URL:

<https://www.psychologytoday.com/conditions/dissociative-identity-disorder-multiple-personality-disorder>

The DID method would never support the author's interpretation following, which is that possession does exist. The author does not deny that DID is a valid psychological tool for the purposes for which it was developed. In those cases in which possession does actually exist the author believes that the possession model is the more correct approach.

The author believes that this new type of electromagnetic field, since it is hypothetically derived from a new interpretation of the weak interaction, may possibly allow the soul to 'attach'

to the human cellular structure. In other words, is it possible for this new type of electromagnetic field to act as a sort of ‘mediator’ between the soul and the cellular body. If this be the case, then why could there not be multiple situations of new types of electromagnetic fields from *other* deceased souls acting as ‘mediators’ between the souls they are attached to and the cellular body of the living human being in question. Ergo, we would have DID as multiple personality disorder in the form of possession. Furthermore, the author hypothesizes that very mild cases of may explain *Reincarnation*; in other words, that the ‘previous’ memories that a person is ‘remembering’ are actually the memories of the deceased soul attached to their body. As a Christian, the author cannot accept reincarnation per se, since the author believes in one life and its associated sins and one Judgement to follow. If a person has multiple past lives, some possibly good and some possibly bad, then which life and which set of sins is a person going to be judged on? This presents too many contradictions. One would have to give up the idea of a Last Judgment, in which case one would no longer be Christian.

### **J. Apparitional Experience**

This is referring to ghosts or ghost-like experiences. There are many anecdotal cases of ghosts being photographed. The author believes that these photographs (if genuine), along with the photographs of the so called Kirlian aura, may be direct evidence of this new type of electromagnetic field. If psychokinesis/telekinesis can exist due to the interplay of mind, soul, and this new type of electromagnetic field in a living being, then what about the mind, soul, and new type of electromagnetic field of a deceased person. People allege that ghosts can make noises, throw things, and manipulate electrical current in houses just as in poltergeist cases. If true, then this complicates the investigative situation, as it might be very difficult to determine where the source of poltergeist/psychokinesis/telekinesis originates - from a living being or from a ghost.

### **K. Spontaneous Human Combustion**

See Ref. 5, p. 63 for cases. This basically is the usually incomplete cremation or conversion of a majority of the human body to **ash** in the absence of the high temperatures normally necessary for commercial cremation, and, at the same time, with a seemingly minimal effect on the nearby environment of the unfortunate person to which this is happening. This might fall under our working hypothesis, in the sense that the new type of electromagnetic field is hypothesized to have its source in the individual nucleons of the human body, which are innumerable and countless. This new type of electromagnetic field, under our working hypothesis is allied with the mind and soul and can separate from the human body upon the death of the body, in which case we now have an apparitional form and a dead corpse, but the corpse is intact and has not turned to ash. Perhaps there is a set of extremely rare circumstances in which this new type of electromagnetic field is ‘forced to prematurely vacate’ these countless nucleons, which comprise all of the bones, skull, ligaments, tendons, muscles, and various tissues constituting the human body, giving rise to an intense source of heat powered directly from the weak interaction of each nucleon and reducing to ash every cell in the body to which it comes into contact.

## L. Duplication of Matter

Jesus Feeds 5,000 People (Matthew 14:13-21; Mark 6:30-44; Luke 9:10-17; John 6:1-15)  
<https://bible.org/seriespage/4-jesus-feeds-5000-people-matthew-1413-21-mark-630-44-luke-910-17-john-61-15>

Matthew 14

19 And he commanded the multitude to sit down on the grass, and took the five loaves, and the two fishes, and looking up to heaven, he blessed, and brake, and gave the loaves to his disciples, and the disciples to the multitude.

20 And they did all eat, and were filled: and they took up of the fragments that remained twelve baskets full.

21 And they that had eaten were about five thousand men, beside women and children.

These three verses are taken from URL

<https://www.kingjamesbibleonline.org/Matthew-Chapter-14/>

The author can best 'explain' this miracle by copying his paper here entitled:

### A SHORT MONOGRAPH ON A CURIOUS ANOMALY REGARDING THE SO CALLED GRAVITATIONAL 'CONSTANT'

*In his paper entitled A New Perspective on Advanced Space Travel, the author dealt briefly with the so called gravitational 'constant' in the range ,  $0 \leq G \leq G_o$  where  $G$  represents a variable gravitational 'constant', and  $G_o$  represents the usual Newtonian gravitational 'constant' value. The scale dealt with was the sub-nuclear level regarding the weak interaction: hardly a range at which gravity can be measured, yet a close approximation to the Fermi constant was derived based upon a variable  $G$  in the weak interaction. It is, however, the belief of the author that the universe operates quite differently in the range of  $0 \leq G \leq G_o$  as opposed to the range  $G \geq G_o$ .*

*Now let us look briefly in our macroscopic level at the range  $G \geq G_o$ , wherein the anomaly lies, in that there appears to be two solutions to the same problem in this thought experiment. Consider that you have some object, such as a loaf of bread. Assume further that you have a button on some kind of imaginary control panel before you, which you can push to increase the value of the gravitational 'constant' around the loaf of bread. If you push the button so that the gravitational 'constant' doubles, then you would expect that the loaf of bread doubles its weight. This is one solution. The button is required to be infallible, so that the requirement of doubling the weight is incontrovertible.*

*$W_o = m_o g_o$  represents the beginning weight of the loaf of bread, and  $g_o$ , we*

know, is proportional to  $G_o$ . If we double  $G_o$ , then we must also double  $g_o$ .

Hence the final weight of the loaf of bread is

$$W = 2W_o = m_o g = m_o (2g_o)$$

However, also consider that the possibility exists that we live in a universe in which there is some sort of requirement for gravitational stability. In other words, consider that whenever the button is pushed to increase the value of the gravitational 'constant', that the universe resists the increase and tries to maintain the normal stable value of the gravitational 'constant' of  $G_o$ .

Remember, however, that the button is required to be infallible, and that there must be a doubling of the weight. What then is the answer to this dilemma? Herein lies the anomaly. How is the requirement of gravitational stability to be achieved, while at the same time insisting on the requirement of the doubling of weight? The answer is simple and requires a simple re-interpretation. We again rewrite the final weight of the loaf of bread as

$W = 2W_o = m_o g = (2m_o) g_o$ . In other words, we end up with two loaves of bread instead of one. This might assist some of the readers of this article who throw parties for large numbers of guests.....say 5000!

## **M. Transmutation of Matter**

John 2:1-11 King James Version (KJV)

1 And the third day there was a marriage in Cana of Galilee; and the mother of Jesus was there:

2 And both Jesus was called, and his disciples, to the marriage.

3 And when they wanted wine, the mother of Jesus saith unto him, They have no wine.

4 Jesus saith unto her, Woman, what have I to do with thee? mine hour is not yet come.

5 His mother saith unto the servants, Whatsoever he saith unto you, do it.

6 And there were set there six waterpots of stone, after the manner of the purifying of the Jews, containing two or three firkins apiece.

7 Jesus saith unto them, Fill the waterpots with water. And they filled them up to the brim.

8 And he saith unto them, Draw out now, and bear unto the governor of the feast.

And they bare it.

9 When the ruler of the feast had tasted the water that was made wine, and knew not whence it was: (but the servants which drew the water knew;) the governor of the feast called the bridegroom,

10 And saith unto him, Every man at the beginning doth set forth good wine; and when men have well drunk, then that which is worse: but thou hast kept the good wine until now.

11 This beginning of miracles did Jesus in Cana of Galilee, and manifested forth his glory; and his disciples believed on him.

<https://www.kingjamesbibleonline.org/John-Chapter-2/>

This is a difficult one to explain, because there are literally three solutions to the problem! Let us consider the **first solution**. We know that water consists of water molecules consisting further of hydrogen and oxygen atoms. We know that wine consists of basically alcohol and sugars consisting of hydrogen, carbon, and oxygen atoms arranged into specific molecules. Jesus could have gone to all of the problems of transmutation of matter - dissecting the nuclei of atoms and rearranging them into their proper place in molecules with the correct atomic electron orbitals, but why go to all this trouble! The **second solution** is to do simultaneous teleportations. One to teleport the water out of the waterpots and the second to teleport wine from some other source outside of the wedding into the waterpots. The **third solution** is duplication of matter discussed in Section L above. What if there was a small amount of wine at the wedding, but not enough to serve everyone. It would have been a simple procedure to use duplication of matter to increase the amount of wine and then use simultaneous teleportations - the water out of the waterpots and the wine into the waterpots.

## **N. Raising from the Dead and the Healing Process**

John 12:17

The people therefore that was with him when he called Lazarus out of his grave, and raised him from the dead, bare record.

See URL: <https://www.kingjamesbibleonline.org/John-12-17/>

From Section K above, we take note that the new type of electromagnetic field, under our working hypothesis is allied with the mind and soul and can separate from the human body upon the death of the body, in which case we now have an apparitional form and a dead corpse, but the corpse is intact and is assumed not to have decayed but is immutable to some extent over the period in which the apparitional form is disconnected and outside the body. The apparitional form is placed back inside the dead corpse, and with the new type of electromagnetic field acting as a mediator between the body and the soul, thus attaching the soul back to the nucleons of the dead body. The dead body must have been healed at the same time from any infirmities which affected it.

This working hypothesis considers that this new type of electromagnetic field is part of the biologically active force which is present in the phenomena called life. If this is a true assumption by the working hypothesis, then it seems that healing can also be accomplished by this new type of electromagnetic field.

### **O. Ball Lightning**

The author has no reason to expect/suspect that this phenomena is under the umbrella of the working hypothesis.

### **P. Telepathy/Thought Projection**

Purported transmission of information from sensory channels without using any known physical interaction.

See URL: <https://en.wikipedia.org/wiki/Telepathy>

The author believes that this Section P may constitute a process that falls under the working hypothesis of this paper. The new type of electromagnetic field could possibly be projected by the mind of an individual to various distances, thus sharing the similar properties of normal Maxwellian electromagnetic fields, namely their effective range being small, medium, very large if not infinite. This new type of electromagnetic field must also stay attached to the nucleons of the individual during this process. It would also have to be assumed that the mind could also participate in this projection in some way, thus transmitting and receiving information to and from distant minds which would also utilize the new type of electromagnetic field. Telepathy/ thought projection seems to place an emphasis upon mental aspects, and not out of body experience, in order to send and receive information to and from other minds : these other people are located at other spatial points, but there seems to be no change in temporal attributes regarding these points.

### **Q. Psychometry**

Making relevant associations from an object of unknown history by making physical contact with that object.

See URL: [https://en.wikipedia.org/wiki/Psychometry \(paranormal\)](https://en.wikipedia.org/wiki/Psychometry_(paranormal))

The author believes that this Section Q may constitute a process that falls under the working hypothesis of this paper. The new type of electromagnetic field is considered to be a biologically active field. It is presumed to permeate all parts of the human anatomy. It is presumed to be electromagnetic in nature, so that just as you pass a Maxwellian electric charge near an object or a Maxwellian magnet near an object, a very small portion of the field has changed the object and is retained in the object, until it very slowly becomes transient and disappears. Perhaps the same process occurs with this new type of electromagnetic field. When a person touches an object, part of his/her biological electromagnetic field affects and changes the object, such that the object now stores a portion of this field along with perhaps some information stored from the mind of the individual, since this new type of electromagnetic field

is also considered to be connected to the mind under the working hypothesis. When another person comes along and touches this object, their biological electromagnetic field interacts with the small portions of the biologically electromagnetic field stored in the object from the previous person. The process seems to resemble telepathy, except instead of two biologically electromagnetic fields of two minds interacting directly, they interact indirectly through an intermediate object.

## **R. Clairvoyance/Remote Viewing/Out of the Body Experience**

Alleged ability to gain information about an object, person, location, or physical event through extrasensory perception.

See URL: <https://en.wikipedia.org/wiki/Clairvoyance>

The author believes that this Section R may constitute a process that falls under the working hypothesis of this paper. The new type of electromagnetic field could possibly be projected by the mind of an individual to large distances, thus sharing the similar properties of normal Maxwellian electromagnetic fields, namely their effective range being very large if not infinite. This new type of electromagnetic field must also stay attached to the nucleons of the individual during this process. It would also have to be assumed that the mind could also participate in this projection in some way, thus picking up information about distant places from the projection of the new type of electromagnetic field. Clairvoyance seems to place an emphasis upon the visual in order to derive information at distant spatial points but there seems to be no change in temporal attributes regarding these points.

## **S. Precognition**

Called prescience, future vision, future sight is an alleged psychic ability to see events in the future.

See URL: <https://en.wikipedia.org/wiki/Precognition>

The author has no reason to expect/suspect that this phenomena is under the umbrella of the working hypothesis. First, the author does not deny that this takes place, but is unsure how information about events (defined as occurring in the present) is stored in the future as pre-events or foreshadowings. Second, it is unknown to the author whether or not electromagnetism, either of the Maxwellian type or this new biological type, occurs only in the present or extends into the future, from the point of view of a particular spatial point. The mind and soul seem to be perceived as eternal. If they are, then they would extend into the past, present, and future and would thus not be using the new type of electromagnetic field in order to retrieve such information. Such a situation would make analytical analysis practically impossible using mathematics. It is not the purpose of the working hypothesis of this paper to analyze the workings of the mind or the soul/spirit.

## **T. Retrocognition**

Or postcognition, describes knowledge of a past event which could not have been learned

or inferred by normal means.

See URL: <https://en.wikipedia.org/wiki/Retrocognition>

The author has no reason to expect/suspect that this phenomena is under the umbrella of the working hypothesis. First, the author does not deny that this takes place, but is unsure how information about events (defined as occurring in the present) is stored in the past as post-events. Second, it is unknown to the author whether or not electromagnetism, either of the Maxwellian type or this new biological type, occurs only in the present or extends into the past from the point of view of a particular spatial point. The mind and soul seem to be perceived as eternal. If they are, then they would extend into the past, present, and future and would thus not be using the new type of electromagnetic field in order to retrieve such information. Such a situation would make analytical analysis practically impossible using mathematics. It is not the purpose of the working hypothesis of this paper to analyze the workings of the mind or the soul/spirit.

#### **U. Matthew 16:28**

**28 Verily I say unto you, There be some standing here, which shall not taste of death, till they see the Son of man coming in his kingdom.**

Scientists should be awed at this statement. The word 'some' implies more than one and possibly more than two. The author interprets this statement exactly as it stands, because of the following scripture

#### **2 Peter 1:20**

**Knowing this first, that no prophecy of the scripture is of any private interpretation.**

As a scientist, the author is wonderstruck at the possibility that some could still be alive after almost 2000 years. Just because something is extremely difficult to believe does not negate its truth.

The author considers himself to be a dim bulb, but here is good advice for both dim bulbs and bright bulbs in Scriptural form:

#### **1 Corinthians 8:1-3**

1 Now as touching things offered unto idols, we know that we all have knowledge. Knowledge puffeth up, but charity edifieth.

2 And if any man think that he knoweth any thing, he knoweth nothing yet as he ought to know.

3 But if any man love God, the same is known of him.



## References

(Some references are given as URL's within this paper)

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