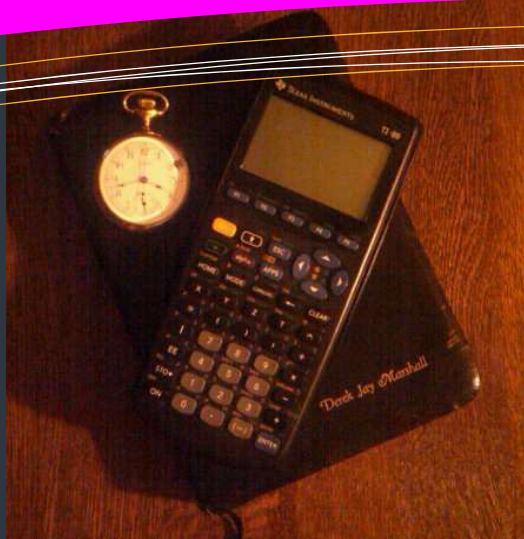


## What is on DEREK'S DESK (DSD) Today?

Now that we have a dried and occupied Earth, we can begin to apply the Creation Function (CF) to try to understand some of the phenomena around us that is not the easiest to see with our eyes or instruments.

### Another Example of the Common Numerical Themes in the Bible

Last issue we finished up the Flood series and saw how Noah's Ark became part of the Earth. Today I begin applying all of the information obtained in the earlier DsD issues to look at some of the most elusive objects in the Cosmos: Black Holes and the Higgs Boson. Black Holes and Higg's particles cannot be directly observed but we can cheat and use what the Bible tells us about the World God Created. In the case of the Higgs Boson, we do see that it fits into the Diagram rather nicely, so much so, that I recognized it immediately after discovering the Creation Function.



this issue:

## Black Holes and Higgs Boson

Black Holes and Hawking Radiation **P.1**

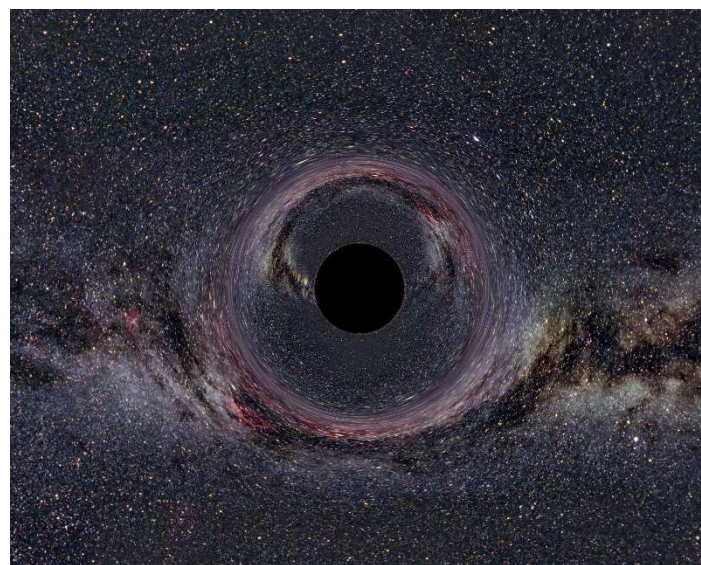
Higgs Boson: What Is It? **P.2**

OutFront: A Prediction of Higg's Mass? **P.3**

## Black Holes and Hawking Radiation

### What is a Black Hole?

A black hole is a point in space which exhibits such a large gravitational force, little if nothing can escape from its pull, not even light. I will say here that blackholes have not yet been directly observed. We have indirect observations via gravity waves and we are attempting to observe the expected super-massive black hole "Sagittarius-A" at the center of our own Milky Way galaxy. It is supposed that most, if not all, spiral galaxies contain a black hole at the center. This is an interesting theory in the context of the CF.



### What is Hawking Radiation?

Hawking Radiation is a theorized emission from black holes which would allow us to more directly detect these "dark stars". Stars whose output forces can no longer counteract their gravitational force become impossibly small, while maintaining their mass. On a spacetime diagram, this looks like a giant whirlpool with the super dense material at the bottom. Once in the whirlpool, nothing can escape, but according to Hawking, the whirlpool itself emits a quantum "mist" which is indirectly proportional to its mass.

### Black Holes and Christ:

A black hole is regarded as a "blackbody" and therefore emits blackbody radiation. Any blackbody is a near-perfect absorber of energy but in the real world must emit energy too. Blackbody radiation is light. And since God is Light and Christ is the Light of the World, coupled with the idea that light is made up of many photons (quanta) and wavelengths, perfect light cannot be held by an imperfect black hole, i.e. one that cannot absorb all wavelengths of light.

### Black Holes and the CF:

In the center of a blackhole is an object called a "singularity". It is very dense, very massive, and extremely small. Envision the mass of the Sun contained in a teaspoon. Some theorize that the mass of the singularity is on the order of Planck's Mass. Since my Creation Model gives Planck-Length scale for the Original 7 Days (DsD6), I liken a black hole to a whirlpool in the Flood Water Remnant described next section.



## Who is Higgs?

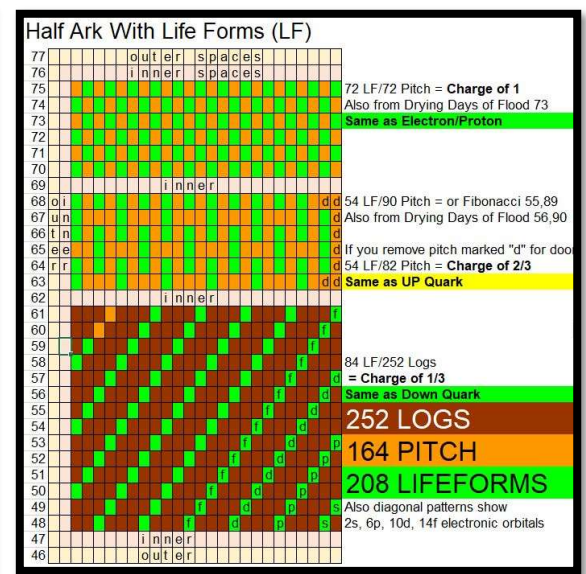
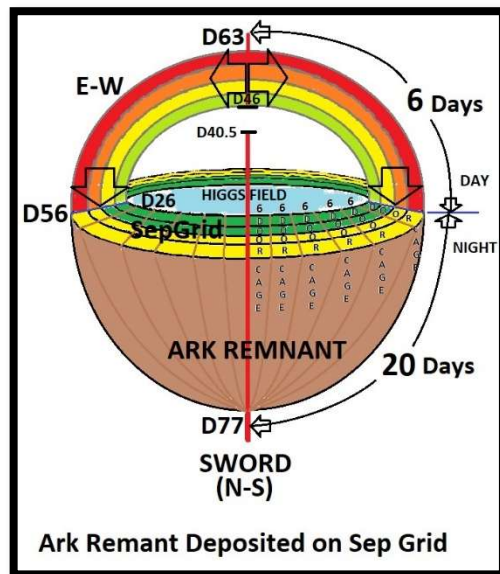
From Wikipedia, the free encyclopedia

Peter Ware Higgs CH FRS FRSE (born Newcastle upon Tyne, 29 May 1929) is an English theoretical physicist, and emeritus professor at the University of Edinburgh.

He was awarded the 2013 Nobel Prize in Physics for predicting the existence of the Higgs boson, the "most sought-after particle in modern physics". Higgs shared the prize with François Englert. Higgs was appointed to the Order of the Companions of Honour in 2013.

In the 1960s, he proposed broken symmetry in electroweak theory. This explains the origin of mass of elementary particles in general. It also shows the origin of the W and Z bosons. The theory known as Higgs mechanism was proposed by several physicists at the same time. It proposes the existence of a new particle, the Higgs boson. On 4 July 2012, CERN announced they had found a new particle much like the Higgs boson in experiments, but that more work was necessary to analyze its properties and see if it had the properties expected from the Standard Model Higgs boson.

The Higgs mechanism is generally accepted as an important part of the Standard Model of particle physics, without which particles would have no mass.



## HIGGS BOSON: WHAT IS IT?

Ever heard of the "God Particle"? This was a popular topic in 2012 when researchers at the CERN particle accelerator in Geneva, Switzerland reported the possible observation of the Higg's Boson.

### What is a Boson?

In physics, there are many types of particles. Particles have names and also have general classifications. For example, the electron (name) is a fermion (classification). It is a fermion because it obeys the Pauli Exclusion Principle. It is also a lepton, because it has half-spin and does not couple to the strong force. In turn, a boson obeys Bose-Einstein statistics and has integer (or zero) spin. Most particles we are familiar with are either bosons or fermions. A familiar example of a boson is a photon, which is a singular quantum of energy (like a small packet of energy) and is the smallest constituent of light. Examples of fermions are electrons, quarks, protons and neutrons. Bosons are force carriers and are generally thought of as the glue that holds matter together.

### What is a Higgs Boson?

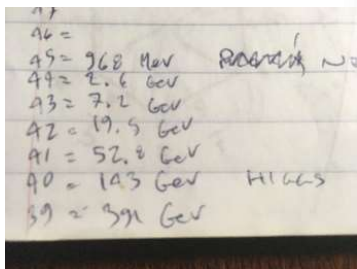
Higgs Boson is the singular particle which makes up what is called a Higgs Field. This field permeates space and all matter interacts with this field. An example of a "field" that we are more familiar with is a magnetic field. If you put a piece of steel (or something magnetic) near a magnet, the electrons in the steel will interact with the magnetic field and a force will be developed and accelerate the steel towards the magnet. However, if you put a piece of brass (something not magnetic) near a magnet, the electrons in the brass are not arranged properly to interact with the magnetic field, so no force is developed. The Higgs Field is much the same way. If you liken a Higgs Field to a swimming pool, some particles, like neutrons would be in the pool getting wet from head to toe. Protons would be in the pool but not wanting to get their hair wet. The wetter the particle, the more mass it has. Some particles, like photons, go in and out of the pool so fast, they never get wet! This brings ideas like God is Light and how Jesus walks on the water.

### Higgs Boson and the Ark Remnant Diagrams:

The Higg's appears on my Diagrams in the same way that it is described qualitatively in Physics. I will use the Ark Remnant form of The Diagram to illustrate the Higg's interaction. The Flood waters are abated but not completely gone. Remember that the Flood particles weighed and lifted the Ark. These particles grew in number for 40 Days. Since the Higg's is attributed mass-giving properties, this is easy to understand, as well as that the mass of the Higg's corresponds to Day 40.5, compared to the 1 AMU corresponding to Day 45.5 (DsD6). The Mass of the Proton is nearly 1/137 the Mass of the Higg's and we see from DsD1 CF Table that ROOT 137 is 5 rotations of the CF. Also, using the Half Ark Diagram, the Electro-Weak Beta Decay mechanism and Higgs mechanism is seen together. It takes 137-138 Higg's (wet) particles to fill up the green spaces in the lower and mid decks to get to the electron portion to "kick out" an electron during beta decay. And how wet the Ark Remnant is getting is its mass.

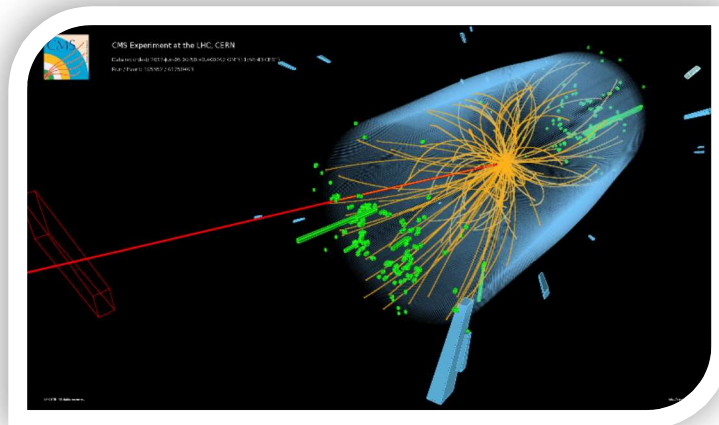
# OutFront: A Prediction of Higg's Mass?

Since this is the December Issue of Derek's Desk, I remember a prediction I made using the CF and wrote in my journal on 12/31/2007 attributing to it a mass of 143 GeV/c<sup>2</sup> and associating it with Day 40 of my Diagram, associating it with the Flood waters that weighed the Ark.



## The CF and the Diagram:

The picture above is the actual journal entry I made while roughly analyzing the CF output putting the Atomic Mass Unit (AMU) at Day 45 after the Flood (DsD6). Underneath the Ark, the further back in time you go in the Flood days, the smaller the wavelengths are. And with smaller wavelengths, energies increase. So, I wound back the days using the CF (logarithmic spiral) from the rough 968 MeV/c<sup>2</sup> and obtained 143 GeV/c<sup>2</sup> for the Flood Waters. I wrote "Higgs" because at that time I suspected that the "Big Bang" was the Flood waters after 40 Days.



## The CERN Large Hadron Collider.

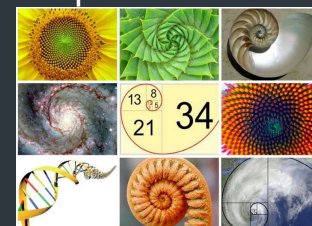
On the border between Switzerland and France there is a physics research laboratory built to generate the energies that existed at the "Big Bang". It does this by accelerating particles at near the speed of light and crashing them together to see what other types of particle can briefly form with all that resultant energy. With  $E=mc^2$ , energy and mass are equivalent, so the masses of the particles plus the kinetic energy they possess in the collider can develop the energy required to sequester into enough mass to see the theorized Higgs particle via its specific decay products. The Higgs decay products present a graphic signature across the detectors as seen in the actual graphic shown above.

## The Big Bang was the Flood.

With the actual mass of the Higgs Boson being measured at 125 GeV/c<sup>2</sup> and my Ark Model being more refined, I was able to see that the Fine Structure Constant (1/137) showing up in my Half-Ark remnant, I realized to form 1 proton from a neutron it takes 137 of the green blocks to fill with Higgs Field. If you take the observed neutron mass of 939.6 MeV/c<sup>2</sup> and multiply by 137 you obtain 128.7 GeV/c<sup>2</sup> compared to 125.1 GeV/c<sup>2</sup> observed, a 97% accuracy. I said in DsD7 that the "Big Bang was the Flood", and we see now that the Higgs Particle mass is quantitatively related to the energies at Day 40 of the Flood.

## FIBONACCI CORNER

### What Are Some Examples in Nature that Display the Fibonacci Sequence?

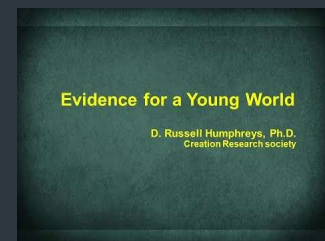


Examples abound as the illustration above suggests. Many of these have been mentioned in earlier DsD Issues. Some of the items will have leaves or seeds that have Fibonacci number directly, like the sunflower. Others will have Fibonacci proportions or will exhibit the Golden Ratio which is a numerical by-product of the Fibonacci sequence. Recall that the CF itself generates Fibonacci Numbers (DsD1) and that the Ark Remnant has Fibonacci numbers 89,55, and 144, which is the reason why we see Fibonacci numbers exactly in biological growth structure.

## YOUTUBE

### Derek's Picks

#### Evidence for a Young World



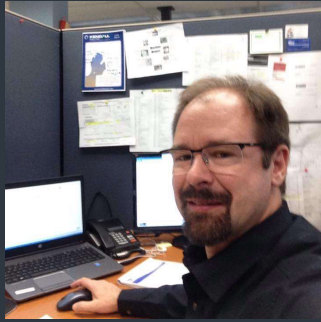
Produced by Revolution Against Evolution (RAE). With Hosts Doug Sharp and Rich Geer, I am helping Doug and Rich go through a presentation outline given originally by physicist Dr. Russell Humphreys.

## This Issue's Q&A in New Creation Research

### Q: Can You Go Through How the Higg's Field Works in CF?

A: I will use the tree model of the Atom (see DsD9) to explain the Higgs mechanism. The Higgs field is the water in the ground. The ground itself is dark matter. The dry seed represents a neutron. Remember that the neutron in the Ark Model is represented by the logs that make up the ark. A dry seed will soak up this water until it is saturated and releases its stem, seed leaves and root. The wet seed in this configuration represents the neutron/antineutrino (root/root hairs going down into the ground), the proton (branch going up into the air) and the electron (the seed leaf). Water is held in the soil by forming a thin film around soil particles. This water is absorbed by the root hairs and into the root, the stem and the seed leaf. The water (Higg's Field) inside the new baby plant is its mass.





## Who is Derek?

Derek Marshall of East Lansing, MI is an electrical engineer who holds a bachelor's degree in Physics from Michigan State University. An inventor and former Marine, Derek discovered the Creation Function in 2005 and has applied it to many of the Bible's more difficult topics as well as questions in Modern Physics and Chemistry.

## Upcoming Articles

- **Derek's Desk Issue 11: DNA and Chromosomes**

We look at these important biological structures from a Biblical perspective and analyze them using the Creation Function. This will be a very important, if not the most important issue for what is next on the Bible's prophetic timeline.

- **Derek's Desk Issue 12: Dinosaurs and Geological Time**

Will we find dinosaurs on the Ark? How do you resolve billions of years when the Bible says only several thousand? Can we use the Creation Function to look into the past? This issue will be a "must read" if you are looking for some perspective.

- **Derek's Desk Issue 13: The Rapture**

A completely new view of the Rapture using the Biblical Scripture, CF, Ark Remnant, and the Diagram. It is shown why the Rapture, the removal of the Body of Christ, a.k.a The Church, must take place before the Great Tribulation can possibly occur. This sets the stage for some of the most mind-expanding findings of my Creation Function work.

## Credits/Links

- **Pictures**

Black Hole Representation: <http://kgwg.nims.re.kr>

Fibonacci Graphic: <https://educateinspirechange.org/wp-content/uploads/2014/08/Fibonacci-spirals.jpg>

Higgs Pattern: <http://cms.web.cern.ch/sites/cms.web.cern.ch/files/styles/large/public/field/image/Htautau1.png?itok=fqjia3Mz>

Time Lapse Seed: <https://i0.wp.com/knowledgestew.com/wp-content/uploads/2017/09/Growing-Seed.jpg?ssl=1>

Stem and Root: <http://il1.picdn.net/shutterstock/videos/8538832/thumb/2.jpg>

All other graphics by Derek

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