



An article for the scientists: Ham, Cheese, Lettice and Tomato Sandwiches



A perfect combination and match

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OBJECTIVE

A short and tasty article for the cleverest scientists



1. A STORY:

A man loved to sit on his porch early each morning, watching the sun come up while eating Ham, Cheese, Lettice and Tomato sandwiches. On the floor below his chair was many worker ants in search of food and unexplainable things happened to them...

The ants got use to this phenomenon, but being inquisitive and always searching, they decided to call in their expert scientists to unravel the mysteries they were observing almost every day. Since the mysteries were extremely “complex” to them, they decided to allocate different tasks to different scientists so that each could only focus on explaining their allocated phenomenon.

They got together and started analyzing their situation. **Firstly**, in some cases, pieces of food (of different sorts) would just lie there in a place that was empty the previous day! How could the food just “pop into existence”? How could nothing become something? **Secondly**, in other cases, food would randomly fall from the sky above them, some would bounce like a wave and others would come rolling along as particles of food! Since their observable “universe” meant that they could only see 30cm up into the sky, they could not understand where the food was coming from? They also did not understand how their ground was able to “pull” stuff from above? **Thirdly**, in some cases an ant would see food on the floor, run home to inform others to come assist in carrying, but when they arrived back, the food had disappeared, as if it was annihilated by some invisible force on anti-food?

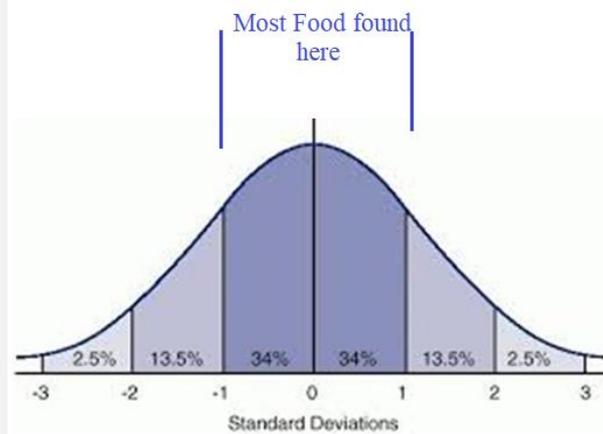
The scientists took samples of the food to their laboratories and dissected them to look for clues, even for traces of alien life forms, as the aliens may have transported the food to their “planet”? Others built a mini catapult to throw the food through the sky and see if they could mimic the food falling from the sky to understand how it works! Others tried to explain how food could just disappear after one of them definitely saw food on the floor? There were just too many unexplained questions...? The ants spent millions of seconds trying to find answers, but after a year and after many had died and new scientists had come on board, they were still at a loss. Some referred to the food falling from the sky as a “spooky action at a distance”.

Other scientists tried to determine the position of where the food would fall as well as its speed (momentum) it was falling, but this was just too random to calculate (if they used a possible speed, they could not determine the location it would fall and vice versa, because they also could not see higher than 30cm). They saw that they could not determine the position and momentum of the food at the same time, as they had limitations!

After some more experiments, some scientists found that although the food were found randomly on the floor, there were indeed some statistical



probabilities of where to find the food, as most mornings the food would be found in a certain location and although the food would also be found in other locations, the probability would become statistically smaller and smaller:



Others were tasked to try and determine how food they removed the previous day, would be discovered again the next day? They counted their stock piles and noted that if they did not eat the previous day, their stock was not diminishing? They also “discovered” that the food was almost always lying in close proximity to each other, as if being bound by a dark invisible gravitational force or an invisible field of food?

Some scientists had theories of other dimensions, some of “food foam” popping into existence and others of food “tunneling” through the floor and not from the sky, but no matter how hard they tried, they could not find logical answers? For the cases where food would just disappear, some were of the opinion that it was normal for food and anti-food to cancel each other out, as there is probably also anti-food lying around, but they could not explain how in some cases this balance was broken and food remained? Some scientists tried to understand how the food would always come from above, but could not explain this gravity thing? They even got some new scientist focusing on “field” theory to try and understand what was going on, but even they could not explain this. Another scientist believed that the food was in one of the other 7 dimensions and then eventually moved across to their dimension. This scientist told the others that over time, the food would probably move on into another dimension, but none of them wanted to wait for this, as they needed the food. They actually believed this scientist to some extent, as some of the food would indeed disappear again (not knowing that the owner in some cases cleaned up his mess).

They were frantically in search of a universal theory that could explain everything, their “theory of everything”! However, when they felt they had a formula, they found some areas did not fit, if they however changed the formula, then others did not fit, so it became a never ending search.



2. THE MORAL OF THE STORY:

I am interested in quantum mechanics and the universe, but for different reasons than most scientists! When I read articles, I mostly notice one thing: *Most scientists try and find explanations through nature, experiments and off course, those calculations and formulas, always searching for answers, looking at the “Laws of (mother) Nature” and (Mr) Evolution, but do not seem to want to consider any link to, or with God?!*

Sorry, I need to be blunt here, are they stupid? Are they unconsciously incompetent like the ants?

Scientists must be clever, if they got into such a complex field of study, yet they do not see the obvious or do not seem to “get it”? What is wrong with most of them? Why spend millions or even Billions if you can just pick-up a Bible and see/read/understand where everything comes from?

However, I must agree that they should study/investigate “stuff”, because God placed the “stuff” there for humans to find/discover and then put their discoveries into good use to improve humanity (e.g. fossil fuel, the electron, the electromagnetic spectrum, quantum states), but trying to explain nature/evolution/the Big Bang? Wow! Excuse the pun, but they are so stuck in their microscopes or colliders that they fail to sit back and first see the bigger picture!

Humans are a very inquisitive bunch and many scientists are just like those poor ants, trying to discover/explain “stuff” beyond their “observable universe”! They need **Hebrews 11:1** faith or what about **Colossians 1:15**? Perhaps (most) scientists (I am using “most”, as there are those that do believe in God’s work, apparently around 10% according to statistics) should read some key text such as **1 Timothy 6:16** and **Romans 1:20**.

I am not including the Text to these Bible references here, as I want you to go and read it up, especially if you one of those scientists, then it will give you another opportunity to go “discover/research” and find the real answer for a change.

I could go on, but I wanted to make this a short and to the point article.

I think (most) scientists should work the other way round, namely:

1. **First** see and seek God in everything (**Jeremiah 33:3**, **Daniel 2:22** and **1 Corinthians 2:9** as examples); then
2. Try and understand everything (**Deuteronomy 29:29** and **Luke 8:17** as examples); and then



3. Link “everything” back to God (Psalm 89:11, Psalm 104:24 and Psalm 95:5 and many more as examples) and just perhaps someone makes a Huge discovery or maybe God decides to reveal one or two more secrets to a committed scientist that may change the world.

The text above and many other text written by different people thousands of years ago “got it”. Yes, that is Thousands of years ago, yet our Twenty First Century scientists are still battling, just like ants trying to solve the “food puzzle”! God said that there will be stuff that man will not see or understand, yet man keeps on “digging” and the more they dig, the more complex it gets...(and since it gets more complex and mind baffling, they should actually then look to God).

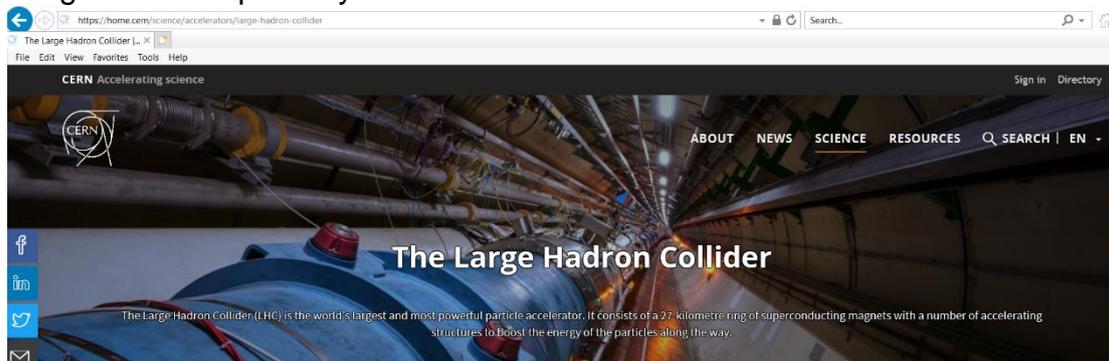
I think that the more they dig, the more they actually realizing the complexity, the Grand Design, the Perfect Mathematics and the impact of Consciousness on matter... One advantage of this “digging” (if only they all realized it), is that the more they dig, the more “evidence” comes to light of a God!

Perhaps they should try and understand our Universe, our World and Reality with God in mind first.

I wonder if scientists tested the impact of Love on the Quantum World, what shocking discoveries they would make...?

Out of Love, God planned everything, God designed everything, God Made everything. Everything is just in Perfect Balance and everything is just perfectly made from a Quantum Level through to the Universe, so there you have it, Problem solved, the end!

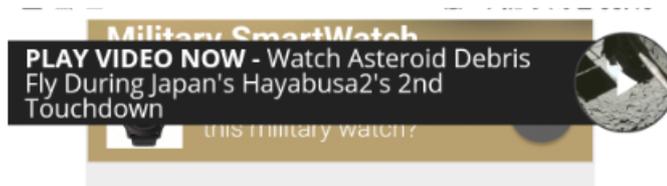
I can still see some value in the Large Hadron Collider, as it is “discovering” things we could possibly use in future:



But they are also spending Billions on some facts that are free in the Bible.



The below mission may have other objectives such as how to mine Asteroids or how to deflect them if they coming to us (debatable), but the below objective is also actually a waste of money... (see red square below):



Interplanetary history lesson

Hayabusa2 was designed to broaden scientists' understanding of the early solar system, when the neighborhood was made up of small worlds such as [Ryugu](#). By studying what these worlds are made of, we can better understand Earth's history and answer such questions as where our planet's water came from, or how organic materials and other life-friendly elements ended up on our planet.

But [Ryugu](#), covered in boulders, turned out to be

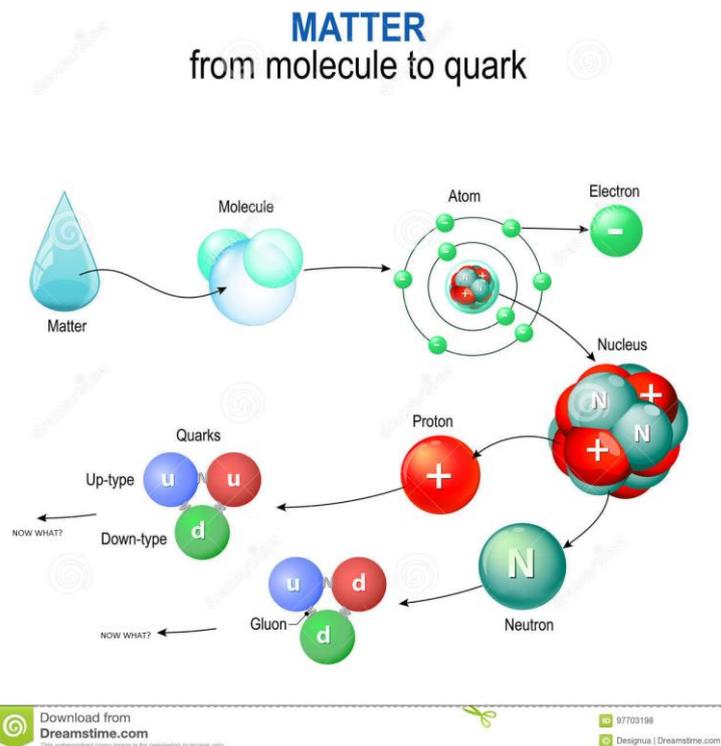
Source: www.space.com

Hallo, do they not know where our Water comes from? Do they not know where our organic material really comes from? - **Say no more!**



HOW VS WHY

Scientists are looking for the HOW and they do find the HOW (e.g. what everything is made of) and partly at the WHY, but they never really dig into the WHY at the right level? (e.g. why are there quarks and electrons). No matter what mathematical or physical experiment they perform, they will never find the ROOT of WHY, if they ignore GOD. They may find WHY there is a water drop (because it is made of molecules), but when they look at WHY are there molecule, they find that there are atoms and when they look at WHY are there atoms, they find because it is made of a nucleus and when they ask WHY is there a nucleus, they find because there are Protons and Neutrons and when they say WHY are there Protons and Neutrons, they find because they made of Quarks and I assume they now trying to dig deeper...? They may find something smaller and smaller, but WHY are they there? That is the fundamental question! Even if they go down to strings (if they exists) and the "Planck length" which scientists term the smallest we can go (surprise surprise to them), a person can still ask WHY? (why are there possibly vibrating strings?).



<https://www.dreamstime.com/stock-illustration-matter-molecule-to-quark-example-water-molecules-microcosm-macrocosm-image97703198>



Stephen William Hawking's **GREATEST** discovery:



Stephen made some discoveries and had some theories, BUT his Greatest discovery that would have won him a Nobel Prize, was (unfortunately) made 1 second after his death!

Think about this one...

His greatest discovery was when he died and saw/realized that there is indeed a GOD! It is a pity that he denied the existence of GOD later in his life?

LAST QUICK WORD ABOUT MOTHER NATURE AND MISTER EVOLUTION

People and scientist like to refer to these two people!

“The Laws of (mother) Nature” and what (mister) Evolution did...

I would love to meet these two people and find out who they are? Well, maybe scientists are right and they do exist, but they just calling their names wrong? Mother Nature and Mister Evolution is the same person, namely GOD!

(Mother) “Nature”, if not God, then who/what is it and it needs a “brain” to have designed all the rules of nature and matter! It is and can only be GOD!

WAKE UP SCIENTISTS, ACCEPT THE “WHY”, ACKNOWLEDGE WHO MOTHER NATURE AND MISTER EVOLUTION REALLY IS AND CARRY ON WITH THE “HOW” AS IT HELPS IMPROVE HUMANITY!



NICE MODEL OF HOW, BUT WHY?

Standard Model of FUNDAMENTAL PARTICLES AND INTERACTIONS

The Standard Model summarizes the current knowledge in Particle Physics. It is the quantum theory that includes the theory of strong interactions (quantum chromodynamics or QCD) and the unified theory of weak and electromagnetic interactions (electroweak). Gravity is included on this chart because it is one of the fundamental interactions even though not part of the "Standard Model".

FERMIONS

Leptons spin = 1/2

Flavor	Mass GeV/c ²	Electric charge
ν_e electron neutrino	<1x10 ⁻⁸	0
e electron	0.000511	-1
ν_μ muon neutrino	<0.0002	0
μ muon	0.106	-1
ν_τ tau neutrino	<0.02	0
τ tau	1.7771	-1

Quarks spin = 1/2

Flavor	Approx. Mass GeV/c ²	Electric charge
u up	0.003	2/3
d down	0.006	-1/3
c charm	1.3	2/3
s strange	0.1	-1/3
t top	175	2/3
b bottom	4.3	-1/3

Structure within the Atom

If the protons and neutrons in this picture were 10 cm across, then the quarks and electrons would be less than 0.1 mm in size and the entire atom would be about 10 km across.

BOSONS

Unified Electroweak spin = 1

Name	Mass GeV/c ²	Electric charge
γ photon	0	0
W ⁻	80.4	-1
W ⁺	80.4	+1
Z ⁰	91.187	0

Strong (color) spin = 1

Name	Mass GeV/c ²	Electric charge
g gluon	0	0

Color Charge
Each quark carries one of three types of "strong charge," also called "color charge." These charges have nothing to do with the colors of visible light. There are eight possible types of color charge for gluons. Just as electrically-charged particles interact by exchanging photons, in strong interactions color-charged particles interact by exchanging gluons. Leptons, photons, and W and Z bosons have no strong interactions and hence no color charge.

Quarks Confined in Mesons and Baryons
One cannot isolate quarks and gluons; they are confined in color-neutral particles called hadrons. This confinement (binding) results from multiple exchanges of gluons among the color-charged constituents. As color-charged particles (quarks and gluons) move apart, the energy in the color-force field between them increases. This energy eventually is converted into additional quark-antiquark pairs (see figure below). The quarks and antiquarks then combine into hadrons; these are the particles seen to emerge. Two types of hadrons have been observed in nature: mesons qq and baryons qqq.

Residual Strong Interaction
The strong binding of color-neutral protons and neutrons to form nuclei is due to residual strong interactions between their color-charged constituents. It is similar to the residual electrical interaction that binds electrically neutral atoms to form molecules. It can also be viewed as the exchange of mesons between the hadrons.

PROPERTIES OF THE INTERACTIONS

Property	Interaction	Gravitational	Weak (Electroweak)		Electromagnetic	Strong
		Mass - Energy	Flavor	Electric Charge	Fundamental	Residual
Acts on:		All	Quarks, Leptons	Electrically charged	Quarks, Gluons	Hadrons
Particles experiencing:		All	W ⁺ W ⁻ Z ⁰	γ	Gluons	Mesons
Particles mediating:		Graviton (not yet observed)	W ⁺ W ⁻ Z ⁰	γ	Gluons	Hadrons
Strength relative to electromagnetism for two u quarks at:		10 ⁻⁴¹	0.8	1	25	Not applicable to quarks
	10 ⁻¹⁸ m	10 ⁻⁴¹	10 ⁻⁴	1	60	Not applicable to hadrons
	3x10 ⁻¹⁷ m	10 ⁻³⁶	10 ⁻⁷	1	20	

Baryons qqq and Antibaryons qqq̄

Baryons are fermionic hadrons. There are about 120 types of baryons.

Symbol	Name	Quark content	Electric charge	Mass GeV/c ²	Spin
p	proton	uud	1	0.938	1/2
\bar{p}	anti-proton	$\bar{u}\bar{u}\bar{d}$	-1	0.938	1/2
n	neutron	udd	0	0.940	1/2
Λ	lambda	uds	0	1.115	1/2
Ω^-	omega	sss	-1	1.672	3/2

Mesons qq̄

Mesons are bosonic hadrons. There are about 160 types of mesons.

Symbol	Name	Quark content	Electric charge	Mass GeV/c ²	Spin
π^+	pion	u \bar{d}	+1	0.140	0
K^-	kaon	s \bar{u}	-1	0.494	0
ρ^+	rho	u \bar{d}	+1	0.770	1
B^0	B-zero	d \bar{b}	0	5.279	0
η_c	eta-c	c \bar{c}	0	2.980	0

Matter and Antimatter

For every particle type there is a corresponding antiparticle type, denoted by a bar over the particle symbol (unless a or - charge is shown). Particle and antiparticle have identical mass and spin but opposite charges. Some electrically neutral bosons (e.g., Z^0 , γ , and η_c , $c\bar{c}$, but not K^0 or D^0) are their own antiparticles.

Figures
These diagrams are an artist's conception of physical processes. They are not exact and have no meaningful scale. Green shaded areas represent the cloud of gluons or the gluon field, and red lines the quark paths.

$n \rightarrow p e^- \bar{\nu}_e$

A neutron decays to a proton, an electron, and an antineutrino via a virtual (mediating) W boson. This is neutron beta decay.

$e^+ e^- \rightarrow B^0 \bar{B}^0$

An electron and positron (antiparticle) colliding at high energy can annihilate to produce B⁰ and \bar{B}^0 mesons via a virtual Z boson or a virtual photon.

$p p \rightarrow Z^0 Z^0 + \text{ assorted hadrons}$

Two protons colliding at high energy can produce various hadrons plus very high mass particles such as Z bosons. Events such as this one are rare but can yield vital clues to the structure of matter.

The Particle Adventure
Visit the award-winning web feature *The Particle Adventure* at <http://ParticleAdventure.org>

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