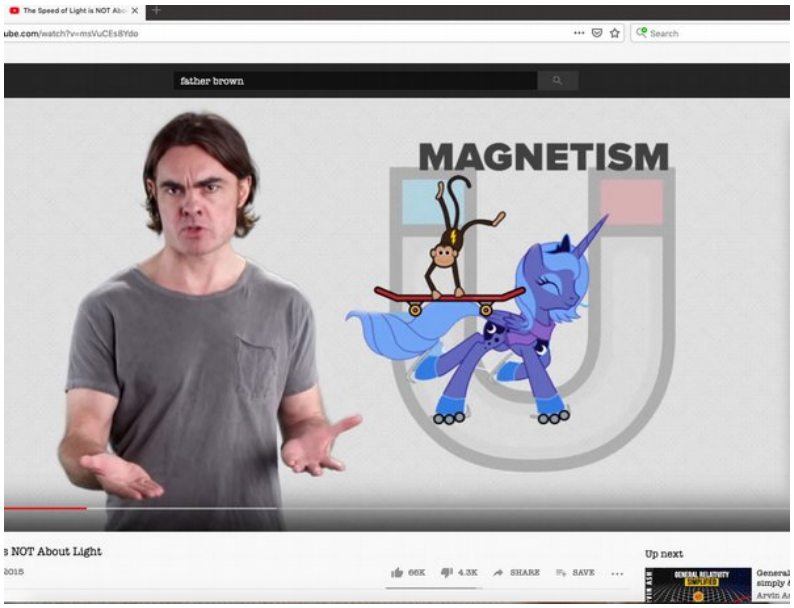
THE STATE OF THE ART

in Physics Propaganda



by Miles Mathis

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With each passing year, I become more and more grateful that I never became part of mainstream science: grateful I chose not to pursue a PhD in physics, and grateful I never got published by the academic press. Because if I had I would have to admit to some connection to the embarrassing conjob that now passes for science promotion.

The above graphic is a screenshot from an episode of *PBS Spacetime* now up at Youtube called "The Speed of Light is not about Light". And no, it wasn't made for children. Because the presenter is a young guy in a wrinkled grey t-shirt, I suppose the target audience is grunge rockers or college drop-outs who sit at home and watch cartoons all day with their baby sisters. I can't really figure it out.

The narrator is so gruesome I found the episode almost impossible to watch. I literally got the willies. Meaning, I quite literally got sick to my stomach. There is something almost malicious in the way he moves his head about, and my spook radar immediately maxxed out. If they ever pried my eyes permanently open and forced me to watch something as punishment, like in *A Clockwork Orange*, this would be it. One of the first comments on the video is this: "This is the body language someone would use to convince me to invest in MLM." Exactly.

I had never seen this guy, so I looked him up. He is Matt O'Dowd, an associate professor at CUNY. He is also a crew member of a mobile observatory that debuted at Burning Man in 2012, confirming his spook status. Burning Man is a premier CIA project and propaganda fest.

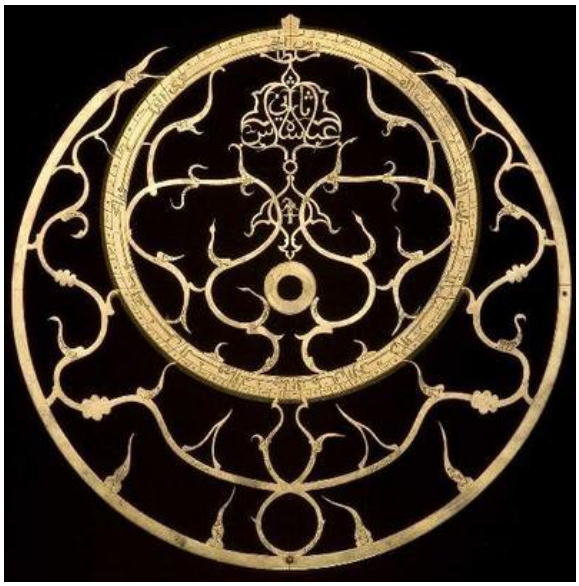
Matt specializes in Gravitational Lensing. See my paper blowing that apart.

Just for fun, I checked out the O'Dowds at the peerage, to see where this guy might have come from. They are related to the Webbs (the Queen is a Webb), Armstrongs, Goolds, Watts, and Ritchies. As for the O'Dowds of Australia, they descend from Bernard O'Dowd, a poet and prodigy who was a member of the Theosophical Society. You know what that means. Bernard's partner was a Pitt. He was a founding member of the Victorian Socialist Party. You know what that means. He wrote under the name Gavah the Blacksmith. You may not know what that means. Gavah is Hebrew and it means "witness". O'Dowd was a comrade of John Curtin, a thoroughly nasty character who later became Prime Minister. Boy George's real name is O'Dowd. The SAS was founded by Christopher O'Dowd.

On Matt O'Dowd's Twitter page, he has posted a gif of himself with Richard Branson. What is the connection there? They aren't meeting at Starbucks: O'Dowd is visiting Branson at home on his own private island! I have shown that Branson is a hidden peer. My guess is Branson and O'Dowd are cousins, explaining the otherwise unexplainable. Like O'Dowd, Branson is also related to the Riches/Ritchies and Webbs. You may be impressed by billionaires, but I'm not.* It is always a bad sign. For several reasons O'Dowd may wish to reconsider his links to Branson, see this recent article at *The Independent*, where we are reminded that Virgin is being bailed out by the government. It also has a healthcare arm with strong ties to NHS. And remember how Virgin Trains was price gouging?

Among his other lead pics at Twitter, O'Dowd has a pic of the Ligo announcement, so he is pushing that fraud. See my extensive critique of that.

Also on Matt's Twitter page, we find this:



An ornate Arabic astrolabe. You will say he is just using a pretty object to reference his position as an astrophysicist, but I intuit more is going on here. Why Arabic, for a start? I can't read the Arabic top center, but if you can let me know. The word "astrolabe" means "star taker", and we have seen these people are takers. And the astrolabe was invented and used by navigators, ie Phoenician navy.

[**Added September 10**: One of my readers found this astrolabe in the inventory of the History of

Science Museum at Oxford. It was made for Shah Abbas II of Persia in the 1600s. His mother was Anna Khanum. That name is the clue, since we have seen that Khan=Kohan=Cohen=Komnene. Confirming my Phoenician navy guess. She and her husband were cousins, both of the Safavid dynasty, founded by Ismael I. We have seen him before:

Not what you were expecting, I bet, with a hook nose and red hair? More confirmation. Ismael's mother was named Martha and his 2g-grandfather was Alexios IV Komnenos. So there you go, my guess was completely correct.

My reader also informs me that Matt O'Dowd has been connected online to Bahar Gholipour, who is also involved in the con. She writes for (*Un)Scientific American* among other places, so we know she is a spook. Also see this website *Department of Magic,* founded by the pair. Strange title for two alleged scientists. Perhaps Bahar is Persian, from these old lines? Gholipour is indeed an Iranian name, see journalist Behnam Gholipour. Just two days ago he published a piece on the pandemic's effect on the Ayatollah Khamenei. Take my direct link, do not search on it. It redirects to a virus page from the Bing search.]

But my point is, *PBS Spacetime* appears to be a very forward part of science publicity, being promoted heavily at Youtube and other places, and someone somewhere chose O'Dowd to be a face of it. Someone thought he had the right sort of look or charm to capture some segment of the science audience, which is scary no matter how you look at it. If they are wrong, it is scary in the extent of the miscalculation; and if they are right, it is scary to think someone finds this charming.

But it isn't just O'Dowd's personality that is the frightening thing here, it is the juxtaposition of his scowling mug with the purple little unicorn, or whatever that is. I won't even do anyone the honor of looking it up. Though I do note it is purple. At least it isn't a purple phoenix, but I guess that would have been too obvious.

We know O'Dowd is going to fudge us just from the title. We can tell we will be immediately immersed in Operation Chaos once again, and that we will be inverted the whole time. "The speed of light is not about light"? That would like arguing the color blue was not about color, or about blue. It is the purposeful destruction of the meanings of words, and of language. O'Dowd takes a while to get

to the point: he has to drown us in contradictions, silly graphics, and maliciously mesmerizing head nods first. But he does admit his thesis fairly early: the speed of light is about the speed of causality.

One problem though: that already contradicts his title, since the speed of causality *is due to* the speed of light. Causality can't exceed c because all things are caused either by transfer of atoms or photons. Cause and effect is a *mechanical* law, and things can't be affected by wishes or hunches. They have to be affected by matter. So he is already talking in circles.

To obscure this, O'Dowd's only hope is to muck this up as quickly as possible, which is why he brings in the monkey on the back of the unicorn on roller skates, and imprints them with Maxwell's equations. He knows that no sensible person will be able to penetrate that mash-up, or will waste time trying: they will simply shake their heads and fast forward. But O'Dowd is hoping that head shake may have softened up their brains enough to make them suggestible.

Same for bringing in Lorentz transformations. They aren't necessary to solve this, but O'Dowd knows that his audience of Youtube wankers won't know that. They will think O'Dowd knows something they don't, which softens them up even more. Since they don't know Lorentz transformations from the Transformers, they will just take O'Dowd's word for it and fast forward again.

Amazingly, at minute 4:30, O'Dowd stirs in the Galilean transform, which is a precursor to the Lorentz transformations. Einstein took the Galilean transform as given, and used it to develop Special Relativity. The Galilean transform is actually the first equation of Special Relativity, page one. I know because I have done more work on the Galilean transform than anyone in history, publishing an entire set of papers on it. I have shown the Galilean transforms as used by Einstein are actually incorrect in form, causing many mathematical errors in Special Relativity, including the proposed result that the transforms are symmetrical. They aren't, which means the equations O'Dowd is posting in the video aren't even correct.

It doesn't really matter, as you will see, but it is interesting nonetheless. Remember, O'Dowd is supposed to be proving to us that the speed of light is not about the speed of light, and he hasn't even begun to do that. Whether the Lorentz transformations are symmetrical has nothing to do with it, and Maxwell's equations have nothing to do with it either. It goes without saying that purple unicorns have nothing to do with it.

In the next section, starting at about minute 6:00, O'Dowd pretends he is being very modern and very deep, making you think everything he is proposing comes out of the Lorentz transformations, but all he is describing is one of Galileo's old laws of motion: an object at constant velocity acts like an object at rest, and can be taken as such. O'Dowd wants you to think that idea was overthrown when the Galilean transform was extended by Lorentz and Einstein, but it wasn't. The only thing that was overthrown was their *improper expression* of Galileo in the Galilean transform they used. But as I have shown, that expression didn't even come from Galileo. The Galilean transform didn't come from Galileo, it came from a guy named Woldemar Voigt, who wrote it down in 1887 (see first link above). Unfortunately, he completely garbled it, dooming everything that came after, including Special Relativity. I am not saying Special Relativity is wrong, but I am saying it was developed from the wrong first equation, dooming all the math. The math had to be completely redone, and I have done it. I threw out Voigt's bad equations and started over from scratch, confirming Relativity but not the math.

O'Dowd doesn't know this, so he is just parroting the usual mainstream nonsense. He is trying to buffalo you, and this is the way it is currently done: you quote all the most esoteric theory you can find,

then drop a completely unfounded conclusion on your audience at the end. They will have been so confused by all the esoteric theory, they can't possibly refute you. Or so O'Dowd thinks. He forgot that I was prowling.

Amazingly, O'Dowd pretty much admits what I told you about Galileo at minute 6:50, since he says we can go from the monkey to the unicorn by just putting a minus sign on the velocity. That isn't a Lorentz transformation, since a Lorentz transformation requires a term called gamma. If you are just switching signs, you are back with Galileo. But O'Dowd fudges you immediately, by bringing back in the Lorentz transformations at minute 7:00. He even prints out the math for you, where you can see the term gamma I just told you about. It is that business in the denominator under the radical.

He then tells you the Lorentz transformation *must* describe our reality. Except that it doesn't. It might, if the math were correct, but it isn't. Garbled equations can't describe anything. Only my corrected equations describe reality.

But again, O'Dowd hasn't begun to tell us what any of this stuff has to do with his thesis. The big jump is at minute 7:20, where he tells us that the Lorentz transformations *predict* the cosmic speed limit. Except that isn't true. That is completely upside down to the truth, in fact, both theoretically and historically. The truth is, both Einstein and Lorentz assumed the speed of light was c, and based all their equations on that assumption. So c wasn't the conclusion, it was the *postulate*. This is why the Lorentz equations came right out of the Michelson/Morley interferometer experiments. This is why Einstein explicitly labeled c as his **Second Postulate**! The speed of light had recently been determined, and that speed was found to be invariant in vacuum. It didn't matter who measured it or how fast they were going. It was always found to be c. So to claim that c was a prediction is absurd. Just the opposite, it was an outcome of experiment, and that outcome was used as the postulate in the new math. O'Dowd must know this since every schoolboy knows it, which is why I call this propaganda. He is lying right to your face.

Next, at minute 8:40, O'Dowd makes a huge leap, trying to get us nearer his thesis. He states that c is the speed of light, but that it is the speed of causality *first*. Notice that nothing in his presentation leads up to that raw assertion. It comes out of nowhere. None of his misdirection into the Lorentz transformation or Maxwell's equations had anything to do with that. He says correctly that c is the

maximum speed that any two parts of the universe can talk to eachother, but of course that is because they talk to eachother via photons. Light has to travel between the two points to carry information. So he still isn't telling us anything. We are now up to nine full minutes of fluff and bluff.

Next, O'Dowd of course has to drop $E=mc^2$ on you, just to be sure he includes it somewhere, but it doesn't tie in here at all. It is just another name-dropping, as part of his snowball.

O'Dowd fears you may not yet be confused enough, so at minute 10:00 he switches gears and tells you "this is all paradoxical". Except that it isn't. He was just telling you before that that if c were infinite, there would be no mass and no time. That isn't a paradox, it is a truism. It just means that if c were infinite, you would be everything and know everything. There would be no time or distant separations, by definition. All would be one. But he seems to be afraid you might understand that, so he has to interrupt to call that a paradox. He doesn't want you understanding anything, because in that case your brain might turn back on. By calling it a paradox, he is really saying: "you can't understand anything here, since it is beyond comprehension, so just trust me. I am a physicist".

So he gets to the end of this without saying one single word to indicate, much less prove, that the speed of light is not about light. If anything, he just proved that the speed of light IS about light, so what was the title about? No one knows.

Actually, I *do* know what this was about. As I told you, it is about Operation Chaos, and physicists' pre-eminent part in turning your mind to mush. And why do they want you confused? Because if you are confused you will be much less likely to say no to the modern physics program and all its treasury dips. You won't feel qualified to call foul on their theories or experiments, and won't realize what frauds they all are. They want you to believe they are superheroes, solving the greatest mysteries of the universe and moving us into a glorious technological future of omniscience. When the truth is they are just circus barkers hiding behind big fake equations and really bad theories. They want you to think they know almost everything, when the truth is they know almost nothing. It's all a mirage of unassigned numbers and fast talk. They sell you quantum mechanics as the greatest theory in history, when in fact it is an almost total bluff, composed of a million mathematical fudges and feints. If you have eyes to see like I do, you can tell they haven't got a clue what is going on with light, or with anything else.

Another premier science propagandist is Jim Al-Khalili, who inhabits the chair of Public Engagement in Science at University of Surrey. Yes, major universities now have chairs of science propaganda, and they come very near admitting that. They just tweak the wording a bit. You can find him at Youtube as well, in a series called Reel Science. Let's look at his BBC series *Atom*, from 2007. Part three gives itself away with its title: "Atom: the Illusion of Reality". Will he really be arguing that the atom is an illusion? Yep. This is a major project of Modern physics, and I have hit it many times before. They want to dissolve all reality and wipe the slate completely clean. In other fields they call it brainwashing, but in physics they just call it another day.

Already by minute 1:45, Al-Khalil has planted his thesis: "*Reality is just an Illusion"*. But he contradicts himself right after that, by admitting that in 1905 Einstein proved the existence as well as the size of the atom by studying how pollen moves in water. If the atom exists and has size, how can it be an illusion? Al-Khalili tells us it is because Rutherford proved the atom was almost entirely empty space. Except that he didn't. We see an animation of electrons orbiting a nucleus, and since the orbits are nearly empty space, we are supposed to see his point. Only the nucleus is packed, but the rest of the atom is mostly air. But I have shown this is false. Electrons DO NOT orbit the nucleus. The orbital levels are only distances of electron capture, but once captured the electrons move down to nucleus. Beyond that, the area of the atom is full of dense charge, which the mainstream still ignores. In other words, billions of photons are being recycled through and around the nucleus as charge, meaning none of that space is empty. In fact, the charge outweighs the matter it is moving through by 19 to 1. The mainstream doesn't know that because that charge can't be weighed in the normal ways. Charge is always moving at c and so it can't be contained for a weighing. Its mass can only be *calculated* from its energy equivalence.

Very quickly, Al-Khalili segues into the required heavy-handed salesmanship of Bohr and Heisenberg. That is a primary goal of all science propaganda: continue to sell the famous people as revolutionaries and geniuses, because their manufactured fame is what a lot of the story rests upon. It isn't really science, it is hero-worship.

A second plank of science propaganda is the incomprehensibility of modern theory, so Al-Khalili hits that next. He tells us at minute 3:40 that quantum physics is entirely new, unique, and "outside human comprehension". That's convenient for the magicians selling it, right? You can't understand it, so you have to take their word for it.

Next, Al-Khalili is paid to work in some hagiography for Paul Dirac. He was a pathetic little man and a complete phony, but the propagandists insist you believe the reverse. Al-Khalili tries to make you think Dirac achieved unification, but everyone knows he didn't. The mainstream has still not gotten near unifying anything. So Al-Khalili is forced to lie right to your face, telling you Dirac's famous equation unified quantum mechanics and Relativity. He wants you to worship that equation, so that you forget to look closely at it. At minute 9:40, he actually says, "Don't try to understand it, just look at it and marvel". Even worse than "shut up and calculate". Don't calculate, just shut up and bow. The propaganda has gotten very raw, hasn't it?

Al-Khalili tells us Dirac's equation is up there with *King Lear*, Beethoven's Fifth, or *Origin of Species*. Except that Al-Khalili says *Origin of the Species*. Hah.

But the problem with the Dirac equation is that it is completely worthless in understanding the quantum world. It describes the momentum of the **electron** in orbit. . . except that the electron isn't in that orbit to start with. As I have shown exhaustively, the energy levels of atoms are not determined by electrons at all. Electrons are just along for the ride, and can be completely ignored in the first instance. What is important are the charge channels and charge levels that recycle through the nucleus. In other words, it is *photons* we should be looking at, not electrons. Writing equations for orbiting electrons was just busy work, and shows how lost Dirac really was.

Dirac never understood that the wave function didn't even apply to the electrons. Schrodinger intuited this, but even he couldn't really fathom it. This is because both men had been permanently confused by an old mistake of Bohr, who conflated the momentum of the electron with the momentum of the photon. Yes, Bohr simply made a substitution error in his equations for the first energy level of Hydrogen.

This means that Dirac's equation is completely worthless, and I have never once used it in my solutions. When calculating electron energies in my own diagrams, I need only look at the electrons on the nuclear poles, especially the north pole. Since the electron is actually orbiting the proton there, Dirac's equations don't help me. The orbit is determined by the proton and by the energy levels of the charge streams going in and out there. Those energy levels can only be calculated from the specific nuclear architecture (the element in question). Dirac's equation doesn't include all the nucleons in the nucleus, so it is far too naive.

In most cases, none of that is necessary, and the calculations I *have* done can be done using only the specs of the nearest protons and neutrons. I use things like magnetic moments of the various particles to develop relative forces.

Al-Khalili tells us Dirac's greatest achievement was the discovery of anti-particles, but that is also false. His equation contains a ± that implies anti-matter, but he didn't even recognize that himself. He later ran with the idea, but ran with it in the wrong direction, ignoring charge and assigning the plus/minus to the ridiculous Dirac sea. This idiotic idea cold-cocked mainstream physics for half a century, and it is still ascendant as the vacuum potential as well as electron hole theory. But all this borrowing from the vacuum is unnecessary, once you realize there is a real sea of charge photons you can use to solve all these problems much more cleanly and directly. Al-Khalili tells us Dirac was so concerned about the mathematical beauty of physics, but Dirac actually created some of the ugliest and most dastardly theory of all time. He was also responsible in large part for time reversals or negative time being allowed in physics. This was another massive and very ugly mistake. It has prevented the real solution of many problems for several decades.

Dirac's misunderstanding of anti-matter seeded the current misunderstanding. He always sold it as some esoteric difference, whereas I have shown it is simply a spin difference. There are antiphotons as well as photons, and they are just upside-down photons, spinning the opposite way. Since everything is built up from the photon, larger particles can also have outer spins that go either way. Matter and anti-matter also do not annihilate one another. They may spin-strip one another, but the nut of the particle (the photon) always remains. Also, many of the leptons in the normal atom aren't electrons at all. They are positrons. Electrons are at the north pole while positrons are at the south pole. But since most free leptons are stripped form the north pole of the nucleus, they are the ones we normally see.

If you want to know why Dirac was and is promoted so heavily, you have to look at his family. His bio has been pretty well scrubbed, especially on his mother's side, but we can be sure he was from the Phoenician navy. His maternal grandfather was a ship's captain, and my guess he was East India Company. That is the only way I can explain Dirac's life, such as it was. As a confirmation of that, we find Dirac went to the Merchant Venturer's School. He later married Eugene Wigner's sister, and she was Jewish. Indicating Dirac was as well. More indication of that are the surnames Juge and Pottier on his paternal side, where he was from Switzerland. So, probably bankers. The Pottiers were from Monthey, which was a Counts of Savoy town, famous for silk. Like the rest of these famous people in all fields, he was promoted not on merit, he was promoted because he had to be. He was of the top families and demanded his due.

I assume the same can be said of Al-Khalili. The Al-Khalilis are a very wealthy and prominent family from the Middle East. See the Al-Khalili Group, a huge company involved in oil and gas, construction, development, computing, and security. It is based in Oman, where an Al-Khalili is also the Grand Mufti. See Ahmed Al-Khalili, also known as Abu Suliman. Suliman=Solomon. The Arabian cast of the Phoenician navy, you know. Also see Nasser Khalili, Iranian but admitted to be Jewish. He also lives in London. He professes to be a self-made billionaire, which is absurd. The Khalilis also run Afghanistan. See Karim Khalili, installed by the US along with Hamid Karzai. Jim Al-Khalili's parents are hidden on the internet. I could not find out who his mother is. However, he looks quite a bit like Karim Khalili.

[**Added September 10**: Amazingly, we may be able to connect Al-Khalili to O'Dowd and Gholipour above. On a hunch, I searched on "Al-Khalili Gholipour", and that took me to Khan Al-Khalili, the very famous bazaar in Cairo. It was founded in about 1385 by Jaharkas Al-Khalili, a cousin of the Sultan Barquq. Barquq just happened to be the first Circassian Mamluk Sultan, which means he came from the Caucasus. Who else was Circassian? That would Anna Khanum, above, Queen of Persia. This leads us to ask if the name Khalili is likewise a variant of Komnene. It may be, because Khalili is another name for. . . Hebron. Abraham was known as *Khalil al-Rahman*, or "friend of God". Hebron also means "friend". Hebron was a royal city of Canaan (Phoenicia) back to 2000BC. It is the current location of the Cave of the Patriarchs.]

But let's return to the video. When Al-Khalili is explaining the cloud chamber tracks of positrons caused by cosmic rays, he says positrons have the opposite charge to electrons. Hard to believe they still can't get this right. Positrons and electrons aren't opposite in charge, they are opposite in *spin*. It is spin that causes the opposite curls they take in cloud chambers. But because the word spin has a stronger physical residue than the word charge, they prefer to shunt you off into charge. Quantum physicists don't like real spin and refuse to countenance it. They could never make it work in their theories because they are terrible at visualization, so now even when they do use the word spin, it is not real spin. It is virtual spin: simply a placeholder in the matrices.

Next, Al-Khalili tells us it took the greatest minds in physics 30 years to really figure out the incredible depths of Dirac's equation. This is where he is forced to admit the equation doesn't work when you have multiple electrons. The equation works for one electron and then explodes. That is the equation he wants you to bow to. So now Al-Khalili moves away from Dirac and toward another man he has been ordered to promote: Richard Feynman. As I said, this isn't science or history so much as hero worship. We are told the big problem mid-century was to write equations for how electrons in orbits interact, but I already told you how that is going to go. The electrons aren't in orbits like that, so there is no need to write equations for any interaction. Those guys would have made much more progress if

they had ignored the electron completely, but the die had been cast long before them. For many decades the electron was the only thing they had, so they had to attach all new theory to it. By the time of Dirac and Feynman, the electron had soaked up all theory and math, and because that math was contradictory and impossible, they had a major mess. However, since they still don't realize that, we know Feynman couldn't have realized it. It never came close to occurring to him to ditch the electron orbitals.

I encourage you to go to minute 16:00 and listen closely to Al-Khalili fawning over Feynman. It is really stomach-turning. It reminds me of Eric Idle playing the master of ceremonies in a Monty Python skit, where he actually gets down on the floor and grovels: "This man, whose boots I am not fit to lick clean". The funniest part is where Al-Khalili admits "Feynman loved to tell anecdotes. . . about himself". Hah. So he was a shameless self-promoter—but we already knew that. And he didn't need to be a self-promoter, since they had already hired hundreds of his cousins to promote him by the time he was out of college. In the 20th century, only two physicists were promoted more than Feynman: Einstein and Hawking.

At minute 17:00, we have more unintended comedy, where Al-Khalili says Feynman "wanted to take understanding of the atom *literally* a quantum leap forward". So I guess we are supposed to believe Feynman *literally* advanced science by about an Angstrom. That I can believe.

As with Dirac, Al-Khalili wants you to believe Feynman did major work on unification. But he didn't. He would have been the first to admit he made almost no progress on unification. So why is Al-Khalili so intent you think these guys in QED achieved great advances in unification? Some of my critics have been caught saying no one cares about unification anymore, but apparently Al-Khalili and the BBC didn't get that message. It is called misdirection. The mainstream is doing everything it can to deflect attention away from the fact that someone finally did achieve unification, but it wasn't one of their manufactured geniuses. It was me. I had already done that before 2007, and soon afterwards showed how to unify not only Newton's equations, but the Lagrangian, Maxwell's equations, Coulomb and Gauss.

You will say that I am self-promoting here, but I have no choice. Not being from the families, no one else is going to promote me. In fact, I am the target of more anti-promotion than perhaps anyone in history, so if I don't give you links to my papers, no one will.

At minute 18:00, Al-Khalili tells us QED predicted the magnetic moment of the electron to nine digits. But that is yet another fudge. No prediction was involved: the number was arrived at after the fact by manufactured loop corrections. In this paper, I show you how to get there directly, with much simpler math. I also correct all the fudges in the old math.

So when Al-Khalili says at minute 18:40 that QED is "as close to a theory of everything as we have ever come", he is misdirecting again. The theory put forward in my papers is far beyond anything QED was able to achieve. I show that QED is quite simply wrong about thousands of things.

At minute 19:00, Al-Khalili quotes Feynman admitting that QED was incomprehensible. Feynman said his graduate students didn't understand it. Furthermore, he himself didn't understand it. In a later book *QED*, Feynman admitted that much of it was mathematical hocus-pocus that was not legitimate, using those very words. So how can QED be the greatest physical theory ever? Will Al-Khalili tell us? No. According to him, its incomprehensibility is its greatest selling point. *Credo quia absurdum*. As with Modern art, you are supposed to accept *because* it is absurd.

Al-Khalili then repeats the main mantra of quantum mechanics: to hope to understand it, you have to give up all your previous ideas about rationality. Meaning, you can't expect anything to make sense. He starts by telling you the vacuum is no longer the vacuum. So you can't expect words to mean what they used to mean. In QED, the vacuum is now potentially anything. It becomes anything you wish it to be, as if you are a genie. This comes straight from Dirac and his Dirac sea, but Feynman took it even further. Anytime your equations aren't giving you what you want, you can pull the remainder right out of the vacuum. The vacuum is an auto-tune for bad equations.

As it turns out, Dirac and Feynman were right in a way. An evacuated chamber isn't empty. Once you remove all the matter and ions, the charge remains. You can't create a charge vacuum. So you always have charge to work with. But this is very different than their vacuum potential, which was totally undefined. My charge field still has rules. It is made up of real particles with real properties, so it doesn't allow infinite fudging. It isn't vacuum or potential. It is real. It has real density and pressure, and those characteristics are firm. They can't change to suit your theory or math. Nor are the characteristics chaotic, quasi, virtual, or variable. They are deterministic, real, and local.

Which is of course one more reason the mainstream prefers to ignore me. They don't want to replace their vacuum potential with my charge field, although it answers all their questions. They don't want it because it would disallow all their fudge and fake math. Millions of pages of math would have to be trashed, along with all the Nobel Prizes.

At minute 21, the lies get really nauseating. Al-Khalili tells you to imagine a bank account with nothing in it. He says that as an academic, this is a concept he is very familiar with. Gag. Do you really think this guy in his Armani suits is broke? Right. I guess we are supposed to believe this BBC presenter and university chair is living on £30,000 a year and driving a Ford Escort.

Anyway, we are supposed to believe that QED is so advanced because it understands how the vacuum works. The vacuum is nothing only on average. But over short times, it can either be positive or negative. To go positive, it borrows energy from the future. Hard to believe they are still selling this monumental cheat as an advance in thinking. Let me just ask you this: do you think they really have any physical evidence the vacuum works like that, or that it can really borrow energy from the future? Of course not. Vacuum potential wasn't proposed because they had found some evidence from experiment the vacuum worked like that. Vacuum potential was proposed to fudge equations. It is that simple. It is very ugly magic being sold to you as higher physics and genius science. Like backward causality, spooky forces, virtual particles, and a thousand other things, it is slipshod in the extreme. It is the opposite of science. But everyone pretends not to notice that.

We are told the vacuum seethes with particle pairs being created and annihilated. Except that we have no evidence for that. No experiment has ever shown it. Al-Khalili told us earlier that such pairs create huge energy in annihilation, so the vacuum should be nothing but little explosions. We don't find that at all. What we find when we look is a real field of real charge: real photons. Particle accelerators aren't awash with little pair explosions or with virtual particles, they are awash with real photons.

Which brings the video to its thesis, finally. QED claims that matter is just a tiny residue of all this creation and destruction going on in the vacuum. But again, is that based on any physical evidence? No. None. It is just a stupid idea someone came up with to justify their mathematical fudging. Physicists love the vacuum potential since it allows unlimited cheating, so this story of the quantum foam was just dreamed up after the fact. But Al-Khalili, like his masters and forebears, has the

audacity to sell that vulgar cheat as the greatest idea in the history of physics.

Amazingly, the video admits that back in the 40s, many physicists saw QED as an "unmitigated disaster", with equations that could not be solved or even justified. "The mathematics had spiraled out of control". To get past this, we are told Feynman replaced the math with "childish diagrams"—the Feynman diagrams. In 1947, at the Shelter Island Conference, the tide turned for QED, and it began its quick ascent into the heavens. What Al-Khalili forgets to tell you is why the tide turned in that year. That was year one of the CIA, and the Shelter Island Conference was set up by the Rockefeller Foundation and Bell Labs. That was no coincidence. QED was adopted by Intelligence as a part of Operation Chaos, and promoted in all its ugliness on purpose to spread confusion and act as cover. Real physics went underground during the war never to return, and it was replaced by physics propaganda. The physics sold to the public was only this monstrous perversion of physics. Do I have any direct evidence of that? No. It is just a theory. But it is the only way I can explain the precipitous fall of physics since that time. Either the CIA took physics underground, or the entire field crumbled of its own rot. Take your pick.

The key to understanding this is that Feynman was a protege of Schwinger, especially after the Shelter Conference, and Schwinger was a comrade of Oppenheimer. All were deep in Intelligence after the Manhattan project, and likely long before. Al-Khalili admits it was Schwinger who pushed the Feynman project forward after 1947, ordering the older guys to play along. Feynman got his Nobel Prize in tandem with Schwinger.

We do get some slivers of truth, though, I think. We are told Bohr and Heisenberg hated Feynman's diagrams, since they hated all visualizations, even tinkertoy ones like these. Feynman admitted his diagrams weren't diagrams of real particle motions or interactions, just tools to help get from point A to point B in the math, but even so they were too much for Bohr and his minions, including Dirac. Which proves many of my previous points. One of those points is that 20th century physicists weren't really physicists. The very word physics implies physicality, but these top physicists were revolted by physicality. They hated and feared mechanics, since they had never gotten anywhere with it. They couldn't visualize and didn't want to. It just reminded them of their terrible disabilities. They were the least artistic people ever born. Feynman was a bit different. He like to go to strip clubs, so he was quite visual. Nothing like me, but far more visual than his colleagues. Another point is that Feynman's diagrams aren't diagrams like my nuclear diagrams. My diagrams ARE attempting to diagram reality directly. My diagrams are not just mathematical tools to take you from point A to point B in the math. They are precursors and enablers of the math, which must come later. The math is built from the architecture, not the reverse. You can't fit reality to math, you have to fit math to reality. In other words, you have to understand what is going on physically *before* you can start building equations. Not only do you need a diagram, you need the diagram *first*. I proved that with my nuclear diagrams. The diagrams tell us where the rules come from, and you can't figure out mathematical rules or procedures without the right diagram. It is impossible. If you can't visualize, you can't do physics. It is that simple.

At minute 29, Al-Khalili admits that many skeptics remain in mainstream physics, some of them saying what I am saying: the vacuum seethe doesn't really exist. And what does Al-Khalili say about that? Nothing. He just says that labs have shown evidence for it, but doesn't show any of it. His answer takes about ten seconds. But as I have said, what labs have shown is that the vacuum isn't empty. Which it isn't: it is full of charge. What experiments indicate isn't a Dirac sea or a vacuum potential, it is a real pre-existing field of real energy, one that doesn't come and go with the needs of mathematicians or borrow from the future. This field acts exactly like my charge field and nothing like

the vacuum potential.

Next, Al-Khalili admits that things got even messier and more awkward after 1950. This was due to the mesons, and the video now moves on to glorifying Murray Gell-Mann and QCD, our next phony Jewish hero. As we know, Gell-Mann attempted to resolve the particle zoo by force-fitting it to group theory, but I have since shown how misguided that was. This is because once again he was trying to fit particles to math, instead of math to particles. He needed to know how these particles were built, so he needed an architecture before coming up with or choosing a math. I have shown that particles are built up from stacked spins, but Gell-Mann had no idea of that. To get the right equations, he needed to know that each successive spin had a radius twice that of the one below it. Without that knowledge, he could only push the equations after the fact, over and over and over. Which is what he did. But of course Al-Khalili and the BBC can't tell you that, because they have to protect Gell-Mann's legacy. He was one of their own and won major prizes, so they cannot possibly let him go. The truth means nothing next to their hierarchies of power and control.

To fit the particle zoo to his chosen groups, Gell-Mann discovered he needed to divide the nucleons. Based on this mathematical need alone, *and not on experiment*, he proposed quarks. There was no evidence of quarks at the time and **still is no evidence of them**. Not one has ever been seen. But that doesn't concern physicists, who—like Bohr and Heisenberg—are revolted by physicality. What concerns them is fitting reality to pre-chosen mathematical systems.

Unfortunately, I have since proven that Gell-Mann chose the wrong system. His system is far too complex, and even with loads of unnecessary complexity it fails to match experiment. He only needed a math of simple doubling, done correctly, to build all the particles in the particle zoo from one basic equation. The nucleons do have internal structure, but it isn't a structure of quarks—which is why we never see a quark fly out in particle accelerators when nucleons are broken up. The structure of nucleons, like everything else, is a structure of spins.

So we are starting to see that Al-Khalili chose the wrong title for his video. Instead of the Illusion of Reality, he should have called it the Illusion of Real Science. His presentation is just a history of very bad—though highly promoted—theories.

Next, Al-Khalili tells us quark theory was saved by SLAC when it was confirmed that the proton did have internal structure. But that also confirms what I have been telling you: Gell-Mann didn't base his theory on experiment, since evidence of proton structure came *after* his theory of quarks. And proof of internal structure wasn't proof of quarks anyway. It was proof of my model, since SLAC's experiments matched my theory, not Gell-Mann's. The structure found in particle accelerators has never matched Gell-Mann's quark models, which have had to be jerry-rigged after the fact to better match results. But they match my quantum spin equation and always have. This despite the fact that I didn't even know of SLAC's results when I built my math. I built it from the architecture I knew had to be there, since I had already diagrammed it. My visualization came before my math, as must be. And that visualization came straight from experiment. Specifically, it came from superposition results. That is where I first built my stacked spin model.

Despite this, Al-Khalili just lies to you, telling you that “here were Gell-Mann's quarks”. Except that they weren't. The internal proton structure indicated by electron angles didn't indicate quarks at all.

Next, Al-Khalili admits the current zoo is made up of quarks and leptons. That's it. Except that my architecture is even simpler. In my theory, everything is made of . . . photons. The lepton is just a spun

up X-ray, and I have shown the energies match my spin levels exactly. The most common mesons, like the muon and pion, also match fundamental levels in my quantum spin equation.

Next, Al-Khalili feels it is necessary to hit the high points of physics since 1967, after which not much positive has happened. What has happened is a series of big meltdowns, and he kind of admits that. He says that gravity has been thoroughly understood since Einstein, which is a laugh, since he admits in the next breath it hasn't been connected to atomic theory. *Thoroughly* understood, but not understood at all. What he means is that it hasn't been unified, though he conspicuously avoids that term here. He has to avoid it, doesn't he, since he already implied Dirac and Feynman achieved unification. This is his chance to now give a mention to String Theory, Brane Theory, and Quantum Loop Gravity, three theories that have failed utterly to achieve anything but hot air and more useless math. But it is this last, QLG, that brings him to his title: the Illusion of Reality. It is QLM that says that reality does not exist, being just loops in spacetime. Is there any evidence of that? Have any of those new theories gotten near a sensible unified field? No and no.

To cover over that, Al-Khalili diverts you into the manufactured measurement problem, which he says throws fear into all physicists. This is supposed to take your mind off other problems, I guess. The measurement problem is that nothing exists until you try to look at it. This is also called the observer problem, since it seems like the observer creates the universe. It takes us to Schrodinger's Cat problem, which Al-Khalili also has to demonstrate for you. He shows you the familiar set-up, with a real cat, and then calls it a paradox. But it isn't a paradox. It is a *fake* paradox. A real paradox contains some contradiction or reversal, but this problem is straightforward. It isn't even a problem. There is no mystery about it, and any and all vagueness is manufactured. We all know that when the lid is closed, the cat isn't both alive/dead, so all the rest is just bluster. Given that, why do we have to keep hearing about it? Why do we have to continue to be assaulted with this absurdity, assured that famous Nobel Prize winning physicists believe the cat is both alive and dead at the same time? A sane society would use this one assertion to revoke all these prizes, fire all the physicists, and put many of them in a sanitarium; but instead of that this problem is solemnly enshrined by all the top science experts as worthy of continued discussion and permanent reverence.

This just takes us back to my theory that new physics is created by the CIA, as a cover for real physics. Because in no other way can we explain such a stupid idea as the observer problem, or explain why the BBC is promoting it here. There is absolutely no evidence that the world is a blur until we look at it, or that reality requires an observer. The only thing physicists point to in support of this asinine idea is that quantum *equations* are probabilistic and therefore uncertain. But an equation is not reality. An equation is just math. There is no other reason to think anything about the quantum world is blurry. Just the opposite. Whenever we do look at it, it is NOT blurry, so why would we assume it is blurry when we are not looking at it? The idea is just childish, precisely equivalent to thinking things disappear when you turn your head. All evidence is to the contrary, so why think it?

Again, I think it is a part of Operation Chaos, meant to plant confusion in your head. If you think that these smart guys really buy this stuff, it must throw you off-balance. These are famous physicists, with many prizes, telling you the world disappears when you close your eyes. You see this physics chair at Surrey University, fronting the BBC, telling you these childish and absurd things in all apparent earnestness. What are you supposed to think? Either the world has gone mad or you have, and can you possibly maintain against the whole world?

And I point out once again that Schrodinger himself didn't believe this. He used the cat problem to show how thoroughly daft the Copenhagen Interpretation really was. Schrodinger didn't think there

was anything blurry going on, or that the cat was alive/dead at the same time until you looked at it. He still retained some sense. In fact, he later said that he wished he had had nothing to do with quantum mechanics. So he agreed with my sentiment in the first sentence above, where I said I was grateful never to have been a part of mainstream science. Schrodinger wished he could join me.

So, I think that if you have your eyes open, you have seen that this BBC video proceeds just like a psyop. It resembles science not at all. It is a pretty transparent example of brainwashing, and only someone already brainwashed could fail to see that. There is nothing solid here, just empty promotion of fake heroes and purposefully idiotic ideas. In that sense, I guess we could say it is an accurate presentation of the history of the atom, and of mainstream physics in the 20th century.

*If Congress and Parliament weren't defunct, one of the first things they should do (after defunding all the Intelligence agencies) is outlaw the big foundations like the Rockefeller, Ford, Carnegie, and Gates foundations as being detrimental to the public weal.