



Shedding a bit of light on

SCIENCE

and why Einstein saw quantum theory as incomplete.
Later he gave up on field theory.
Why?

Diagnosing what is really going on in science is pretty much like diagnosing what is really going on in the medical world. Only a few (very few) scientists or doctors do it right: Doctor Joseph Bell at the University of Edinburgh taught his medical students to do it right. He taught his students 'never to accept first impressions.' Bell told all his students to examine everything, especially the little things. He said, **"The importance of the infinitely little is incalculable."** He taught this to Conan Doyle who realized its significance in fighting crime and later wrote about 'not overlooking anything' in his *"Sherlock Holmes"* stories.

I'm afraid that our big science problem today is that most scientists are going on first impressions and very few are examining everything.

Berkeley and Mach said there had to be invisible force inertial linkages with our surroundings (*Mach's principle*). Proof they were right is the fact that gyroscopes, pendulums, vibrating elements and Helium-2 all have the same ***one complete rotation*** in one sidereal day which is 23 hours 56 minutes and 4.0916 seconds. This rate of rotation is termed "Earth rate": This is the exact rate (*or time*) any stationary (*relative to the "fixed stars"*) observer in space, would see this Earth make one complete rotation.

Because the Earth rotates in the same direction as it revolves around the sun, in one year (one revolution) the Earth will have made 365 and a quarter rotations in respect to the sun but 366 and a quarter rotations (sidereal days) in respect to the stars.

In other words, looking out we see the Earth's spin frequency at a lower frequency than it really is spinning in space: And as we look further and further out we see lower and lower frequencies, than we should, as well (red shift).

The 3 paragraphs above are **important** so keep reading them until you fully understand the concepts they describe.

Gyro "Earth rate" rotation is extraordinary: This is quite a substantial deviation from field theory where our Earth, the largest mass near the gyro, has no effect on the gyro's behavior whatsoever. But the fixed stars, light years away, have total control over the gyro: Why?

To actually see this, do what I did in the 1970s and start an aircraft vertical gyro running at noon time: Because it initially levels itself, its rotor axis will be pointing straight up, pointing at the sun. Then you can observe its "Earth rate" rotation: At 5 PM it will no longer be pointing straight up. It will be pointing at the sun while the sun is setting in the west. I've done this many times. The gyro is simply holding its position - to what are commonly called the "fixed stars" - in space and the Earth is the thing that is really rotating. So what we see is the gyro holding its position to the sun while we, on Earth, rotate in respect to the gyro. However, the gyro isn't holding exactly to the sun. It's holding **exactly** to the "fixed stars" that *seemingly* are going around us about 4 minutes faster than the sun every day: This is why the stars in winter are at a different part of the sky than in summer.

To do this the gyroscope must attach itself to the fixed stars: But exactly how does it do this?

Your present science can't explain exactly why the gyro does this. This is proof that our science is not giving us the **complete** picture.

I've worked with and trouble-shot the very latest gyro systems as they came out and I've flown using both vertical and horizontal (*Directional*) gyro information to keep my aircraft correctly oriented. I stayed alive because I **knew** about gyros. For over forty years now I've been asking why scientists are

not trying harder to find these invisible forces that not only make gyroscopes hold to the "fixed stars" but are responsible for our inertial mass and the conversion of energy from this inertial mass:

Einstein knew about this and attacked our science community for using a quantum theory that was **not complete**: In Einstein's last year of life he saw field theory was also **not complete**. Both quantum and field theory are ignoring these forces or not observing these forces as important forces, therefore neither quantum nor field theory is **complete**.

What I have discovered, using Joseph Bell's advice, is that these forces, that today's scientists are giving nothing but lip service to, are actually **half of the existing invisible forces**.

Einstein was right: You will not get the big picture of what is really going on if you only look at half the forces. The present science picture, as Einstein said, is **not complete**.

Phase symmetry shows us Niels Bohr was right after all: These are not orbitals. These are **real orbits!**

Phase symmetry not only *proves* they are real orbits but there is motion in the microcosm's space-time realm as well.

Computers will someday show that all the myriad bondings believed today in the chemical world will eventually be

reduced to nothing but motion and sigma and pi type bondings, because there are **only 2 attracting forces available**:

An attractive pi bond is where both spins are the same direction on the same exact polar spin axis.

An attractive sigma bond is where opposite spins are spinning in the same exact spin plane.

Sorry, there are no other attractive bondings.

Two magnets will show you that: You get a polar attraction when similar poles are facing the same way and you get a side to side attraction when the poles are reversed.

By not following Dr. Bell's advice to '**look at absolutey everything**', chemists and physicists have greatly complicated things when in reality science is far simpler.

Everyone has to **specialize** today in this science world: Only a very few of us can possibly look at everything.

For that very few of us going from field theory to **Phase symmetry**, it's like finally learning the Earth is round.

This gyroscopic "**Quantum Entanglement**" inertial force linkage to the surrounding "fixed stars" is the **Phase symmetry** part of "Mach's principle."

We have to look at the laws of **Phase Symmetry**. They

explain magnetism, AC & DC electric motors and the entire microscopic particle world *including gluons* far, far better than Maxwell's field theory ever could.

Phase Symmetry even explains, *believe it or not*, Gravity. And it explains precisely how *Quantum Entanglement* works as well.

Phase Symmetry, therefore, not only unifies the forces but *finally* also shows us exactly what space and time really are.

To learn exactly **WHY** we have all these things, you will have to learn what it's taken me many years to learn:

You will have to learn the **Phase Symmetry science model**.

The evidence of field theory being wrong was something Einstein saw even later than $E=mc^2$ and relativity:

In 1954, about a year before he died, Einstein wrote, *"I consider it quite possible that physics cannot be based on the field concept, i.e., on continuous structures. In that case, nothing remains of my entire castle in the air, gravitation theory included, [and of] the rest of modern physics."*

Einstein, back then, was telling us *modern science had to change drastically* and we had to look for a better theory than field theory. Field theory is OK *sometimes* if you want to see the end result of billions of these individual quantum type forces. But it doesn't tell us **why** everything works all

the time.

With **Phase Symmetry** you will get a **model** that really does *finally* tell us **why** everything works all the time.

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In this model dependent science world of today, you will be presented with a **new** quantum theory **Phase Symmetry model** — *even better than the standard model* — that gives you the very first 3D, widescreen, **technicolor** picture of reality that is quite a bit superior to that of any models presently being used:

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Also please remember these supremely **important** words of mathematician **Stephen Wolfram**, "*Math can only explain simple things but a **simple model** can explain a complicated universe.*"

Copied from the 2013 Britannica DVD: "**Stephen Wolfram**

born Aug. 29, 1959, London, Eng.

English physicist and author best known for his contributions to the field of cellular automata and the development of Mathematica, an algebraic software system.

The son of a novelist and a philosophy professor, **Wolfram** attended Eton College (1972-76), from which he never graduated, and published

his first scientific paper at age 15. He later studied at the University of Oxford (1976-78) and the California Institute of Technology (CalTech), where he earned a doctorate (1979) in theoretical physics at age 20. In 1981 he became the youngest recipient of a MacArthur Foundation fellowship, and later that year he began researching the origins of nature's complexity. He taught at CalTech from 1980 to 1982. Throughout the 1980s **Wolfram** published a series of celebrated papers on what he dubbed "complex systems research." During this period he taught at the Institute for Advanced Study (1983-86) in Princeton, N.J. In 1986."

On **Wolfram's** premise — *or rather our premise even before we heard Wolfram state it* — that **a simple model can explain a complicated universe**, we sought out a model that could explain *why* things both in the micro and macro worlds tended to congeal into central clumps around which there existed various sized orbital states of other entities of far less mass and *why* was there so much empty space between these central clumps of mass in both the microcosm and macrocosm?

The answer is obtained by using the **Phase Symmetry science model**.

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Read the e-book "**PHASE SYMMETRY**" FREE: (these two [links](#) below)

<http://www.amperefitz.com/phase.symmetry.htm>

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