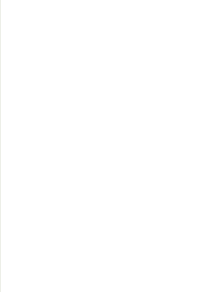
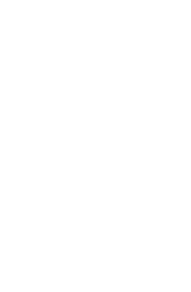
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THE "REACTIONLESS" ELECTRIC UNIVERSE by Bryan Strohm © 2009

ankind's general perception of the universe as explained by physicists has changed

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dramatically in the past 150 years. Some factors relevant to this article i n c l u d e t h e d e v e l o p m e n t o f t h e periodic chart of elements and the understanding of atomic structures. The measurement and quantisation of protons, neutrons and electrons have marked a critical achievement f o r a l l m a n k i n d . T h e s e a r e t h e fundamental building blocks of our universe, yet nearly all larger-scale i n t e r a c t i o n s ( c h e m i c a l b o n d s , m o l e c u l a r s t r u c t u r e s , e l e c t r i c a l energy, mechanical interactions, etc.) have almost nothing to do with the mass of those particles but rely entirely on the field dynamics and relative densities of those particles and resultant fields.

In fact, it could be argued that n e a r l y o u r e n t i r e u n i v e r s e i s a p r o d u c t o f t h e e l e c t r i c f i e l d interactions between electrons and p r o t o n s a n d t h a t m a s s i t s e l f i s inconsequential. The positive and n e g a t i v e f i e l d s t h a t t h e s e t w o particles produce is in addition to their extraordinarily high surface interaction with the surrounding quantum field, yet somehow these particles produce perfectly matched opposing charges that cannot be easily explained when compared to the two particles' differences in size and mass. The electron (with its n e g l i g i b l e m a s s ) i s p o s s i b l y t h e greatest dynamo of the universe, as i t i s e n d l e s s l y a n d e f f o r t l e s s l y accelerated and bounced around by other electrons, protons and stray magnetic fields.

Further comprehension of this level of reality sheds considerable doubt on the physical "laws" that governed our sciences in previous ages.

Eliminating gravitation

The notion that our universe is

d r i v e n b y g r a v i t a t i o n a l f o r c e s i s absurd. The fact that the electric field is over 1 x 1030 (that's a 1 with

30 zeros after it) times stronger than the gravitational field could alone discredit belief in gravity having anything to do with planetary or galactic interactions. Large-scale electric charges need to be identified and measured for all planetary and solar bodies. Most gravitational events are much better explained and predicted by electrical, magnetic and electromagnetic forces.

R e c o g n i s i n g t h a t g a l a x i e s a n d solar systems are generally planar and disc-shaped instead of spherical a l s o e f f e c t i v e l y e l i m i n a t e s gravitation as the primary binding f o r c e a n d i n s t e a d s u p p o r t s c i r c u l a t i n g e l e c t r i c a l l y c h a r g e d particle dynamics as the primary cohesive force within both galaxies and solar systems.

E l e c t r i c a l l y c h a r g e d b o d i e s circulate in a planar geometry due to t h e p r e s e n c e o f a s i n g l e c e n t r a l m a g n e t i c f i e l d t h a t i s p o l a r i s e d according to the charge polarity of t h e c i r c u l a t i n g o b j e c t s a n d t h e direction of their circulation, just as a coil with a current makes a central m a g n e t i c f i e l d . T h i s c e n t r a l m a g n e t i c f i e l d i s c r e a t e d b y t h e c h a r g e s ' c i r c u l a t i o n a n d a l s o maintains the charges' circulation. By technical definition, the particles are "induced" to circulate by their velocity through the perpendicular magnetic field. This circulation has

nothing to do with gravity.

T h e c i r c u l a t i o n o f c h a r g e d masses/particles around a central m a g n e t i c f i e l d i s a f o r m o f s e l f - s u s t a i n i n g d y n a m o . T h e r e i s c o n s i d e r a b l e o n g o i n g r e s e a r c h r e g a r d i n g t h e s e d y n a m o s b e i n g responsible for most of our Sun's flares and internal dynamics. Fusion w i t h i n t h e S u n h a s n e v e r b e e n substantiated.

The primary central magnetic field in large systems such as galaxies in deep space must form an invisible t o r o i d a l s h a p e w h i c h t e n d s t o compress the circulating charges/ stars into a disc shape instead of a tube or sphere. Two variations of form are tubular dynamos, such as tornadoes, and ring dynamos, such as smoke/bubble rings. In a bubble ring (see video at www.youtube. com/watch?v=TMCf7SNUb-Q), the magnetic field is a circle centred i n s i d e t h e b u b b l e w i t h c h a r g e d masses (polarised water molecules) circulating around it in a toroid.

Our solar system's asteroid belt would be spherical due to just the forces of gravity and impacts, but instead it is much more like a smoke ring or bubble ring due to these vortex interactions. Linear symmetry occurs in tornadoes and in water spinning down a drain due to the falling motion of the water in the presence of a background magnetic field; the circulating polarised water then amplifies a central magnetic field which in turn induces more and more molecules to "join the party", further amplifying the central field, and so on.

A possible theory that supports a gravity-driven solar system is where the planets were discharged from the Sun's equator, producing our planar solar system. This theory is most

dramatically violated by the planet Jupiter. Jupiter's day is six hours long, and as a result the planet has more angular momentum (mass x spin) than the entire rest of the solar s y s t e m , i n c l u d i n g t h e S u n , combined. From a conservation of energy standpoint, that means that e i t h e r J u p i t e r ' s r o t a t i o n w a s spontaneous or the planet did not come from our solar system. This controversial truth was described by Immanuel Velikovsky 60 years ago in the landmark book Worlds in Collision.

Another great blow to the idea that g r a v i t y h o l d s t h e s o l a r s y s t e m together or even holds us to the ground is the reality of static cling. E v e r y o n e w h o h a s o p e r a t e d a c l o t h e s d r y e r i s a w a r e o f t h e possibility of static cling at the end of the cycle, so dryer sheets are used to prevent this. Static cling is critical here because all the clothes are charged with the same polarity; the d r y e r e i t h e r a d d s o r s u b t r a c t s e l e c t r o n s t o a l l t h e c l o t h e s , imparting the same charge on all the clothes, yet they still stick together! T h i s a d h e s i o n i s c o m p l e t e l y opposite to the repulsion predicted b y a l l L o r e n t z f o r c e a n d o t h e r mathematical/electric-field functions dating back to Maxwell himself! How is this possible?

The answer is that the Lorentz e q u a t i o n s a n d t h e M a x w e l l equations are linear: they are one- dimensional linear explanations of three- or four- dimensional complex situations and phenomena.

The reality for all ordinary mass is that like-charged masses will repel each other until they get within a specific proximity and then their c h a r g e d f i e l d s m e r g e o u t w a r d l y, producing one large conglomerate f i e l d t h a t a c t u a l l y p u s h e s t h e m together.

This is also a fact of parallel wires carrying parallel currents: their outer magnetic fields merge and the wires are pressed together. Yet a linear Lorentz force mathematical model of this would predict that the wires repel each other due to the fact that the magnetic fields between the wires are actually opposing each other. The Lorentz equations do not include the outer fields. When the wires are close enough, their outer fields merge and attract each other m o r e s t r o n g l y t h a n t h e f i e l d s between them can repel each other.

Electric fields explanation

Another fact that supports the

a t t r a c t i o n o f s i m i l a r l y c h a r g e d objects as a replacement theory of gravitation is that all mass contains

both electric charges. When two objects of widely differing sizes but of similar charges approach each o t h e r, t h e f r e e e l e c t r o n s i n t h e smaller of the two masses move away from the overwhelming field of t h e m u c h l a r g e r ( p l a n e t - s i z e d ) charged mass, leaving the smaller m a s s ' s o p p o s i n g a n d a t t r a c t i n g c h a r g e s o n t h e s i d e f a c i n g t h e stronger (planetary) field source. These exposed opposing charges between the two objects will then attract the two similarly charged objects of unequal sizes. This is a complete explanation of gravity in terms of the electric fields of atomic particles.

All matter will experience this mutual attraction by virtue of some f r e e e l e c t r o n d r i f t ; t h e o v e r a l l c o n d u c t i v i t y o f t h e m a s s i s n o t relevant at all. A pound of butter a n d a p o u n d o f c o p p e r w i l l experience the same free-electron drift (and resultant downward force) w h e n e x p o s e d t o t h e s a m e o v e r w h e l m i n g c h a r g e f r o m o u r planet Earth. The same amount of attractive electric charge will be seen by the Earth on the bottoms of both o b j e c t s . T h e s e f o r c e s w e r e identified, studied and replicated by the famed T. Townsend Brown.

A n a n o m a l o u s p h e n o m e n o n regarding charged spheres is that no matter how large a charge is placed on a hollow metal (or other) sphere, there will never be any net electric field on the inside of the sphere. The reason is that the field on the inside at every point is calculated by the sum of the charges on the other sides. Those sources cancel each other out when they directly oppose each other, which leaves the interior of the uniformly charged sphere without any field or charge at all. This may be a critical aspect of UFO drive systems because it allows for shielded and safe travel inside any highly electrically charged bubble.

The exotic nonlinear behaviour of similarly charged objects is also the probable explanation of the strong

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nuclear force. It is the result of the conglomerate positive field around the nuclei of atoms that pushes protons into attraction with each other—instead of repelling each other, according to the previous linear predictions.

This new idea eliminates the need for any other mystical force (the strong nuclear force) to explain the attraction of protons to each other. I predict the Electric Universe Theory w i l l r i s e t o t h e t o p o f m o d e r n universal physics theories. It is unfortunate that the vast majority of scientists only study high-frequency EM fields and gravitational models of the universe; all the magic lies in static field systems.

Structured relativism

So how can we identify more large-

o r s m a l l - s c a l e v i o l a t i o n s o f Newtonian action equals reaction ideology? Before I address that, I need to add a few more pieces of this puzzle.

Let's look now at the magnetic field. It is a direct consequence of t h e e l e c t r i c f i e l d . I t h a s n o quantisation of its own, and has been found to exist only as a result o f t h e m o t i o n o f p r o t o n s o r electrons.

It is very directional, as is the e l e c t r i c f i e l d , t o o , I b e l i e v e ( m y information supports the theory that t h e e l e c t r i c f i e l d i s s o m e h o w expelled from protons and sucked in by electrons or vice versa), and all this again supports the electric field a s t h e b a s i c f o r c e i n o u r m a c r o world.

The magnetic field has its own polarity (north–south) and, unlike the electric field, it has no particles directly attached to it. It can change the direction of motion of a moving charged particle, but it cannot add or subtract energy to that particle on its own without structured relativism.

S t r u c t u r e d r e l a t i v i s m i s t h e application of a relativistic viewpoint to some event which can explain (under those relativistic terms) the

manifestation of extra or free energy. Here's how this works...

A p r o t o n a n d a n e u t r o n a r e travelling along together and they encounter a stray magnetic field. The field induces the proton to move laterally, but it does not induce the neutron.

A c c o r d i n g t o t h e n e u t r o n ' s relativistic view, the proton was s u d d e n l y a n d m y s t e r i o u s l y accelerated away from it; the neutron could not feel the magnetic field.

According to an overall view, the p r o t o n ' s k i n e t i c e n e r g y w a s redirected by the magnetic field and no energy was created. Unless the neutron was aware of their velocities and the proton's field dynamics, the n e u t r o n w o u l d h a v e b e e n l e f t t h i n k i n g t h a t t h e r e w a s a n unexplained or heretical event.

Reactionless and over-unity events

Another critical definition needed

is to make distinctions between a reactionless event and an over-unity event. A reactionless event is like a diode used in electric circuits. The diode and the reactionless event are b o t h n o n r e c i p r o c a l e v e n t s . T h e diode allows electrons to flow in one direction but not the other, just like a one-way valve in mechanics or hydraulics.

A reactionless event is where one m a s s / p a r t i c l e a f f e c t s a s e c o n d m a s s / p a r t i c l e , b u t t h e s e c o n d mass/particle does not affect the first. This is also a nonreciprocal e v e n t . A n " o v e r- u n i t y " o r " f r e e - energy" event is a closed system which produces excess energy.

A practical over-unity device would best utilise reactionless events, one- w a y v a l v e s , i n e r t i a l f o r c e s a n d s t r u c t u r e d r e l a t i v i s m i n a n engineered combination to optimise a usable continuous output.

Both electromagnetic induction interactions and mechanical systems have similar localised or specialised r e a c t i o n l e s s e v e n t s . T h e s e violations of "law" are very real and are fairly easy to demonstrate for

r e p e a t e d s t u d y. M e c h a n i c a l violations have two subcategories: linear types and rotational types.

R o t a t i o n a l t y p e s a r e e a s i e r t o r e p r o d u c e , r e q u i r i n g o n l y a swivelling bar stool that is fixed to the ground. For this demonstration, find a swivelling bar stool that has wooden legs. Set the bar stool out in an open area and sit on the stool. Without touching the base of the stool or any other fixed object, try to rotate yourself. Quickly you should find that you can produce a bit of an oscillation, but no rotation without counter-rotating your arm or other o b j e c t o v e r y o u r h e a d . T h i s conforms to the "no action without reaction" theory.

Now let us violate that "law" by making one simple change: screw the chair to the floor such that the axis of rotation of the chair is about

1 5 d e g r e e s f r o m t h e v e r t i c a l . U n b e l i e v a b l y, t h i s c h a n g e s everything! Now sit in the chair and lean slightly towards the new offset axis of rotation; slowly lean your head to either the right or the left side and you will begin to rotate! With some practice, you can roll your head to stay at that 90-degree angle relative to the "fall line". As you k e e p r o l l i n g y o u r h e a d , y o u w i l l continue to accelerate yourself in r o t a t i o n ; y o u r r o t o r i s n o w continuously heavier on one side than the other. I can do this until I a m l i t e r a l l y t h r o w n f r o m t h e spinning chair in total dizziness.

And so, with just a slight variation in the axis of rotation relative to the line of gravity, there is a complete breakdown of former equations.

This situation appears reactionless because there is now a rotor which can be accelerated without anything touching it. It is not free energy b e c a u s e i t r e q u i r e s a n o n b o a r d e n e r g y s o u r c e a n d a s p e c i a l mechanism, but it drives itself as a reaction to the force of gravity. This e x a m p l e c l e a r l y d e s c r i b e s a relativistic reactionless event.

Mechanical reactionless events of

t h e l i n e a r t y p e a r e p o w e r e d v a r i a t i o n s o f a n o f f - b a l a n c e rotational system similar to that described above.

A linear reactionless drive typically has an oscillating weight mounted on a rotor and timed so that the oscillation of the weight matches the f r e q u e n c y o f t h e r o t a t i o n . T h i s system is well described in the book The Death of Rocketry by Robert Cook and Joel Dickenson. This system can produce a linear thrust without any external displacement whatsoever, but it is not "over unity".

In electromagnetism, the basic reactionless event is described in Reference 1. This textbook reference tries emphatically to explain away a n y n o t i o n t h a t s u c h a s y s t e m c a n n o t h a p p e n i n n a t u r e o r experiment.

Freely travelling charged particles occur all over nature. Water is such a particle. It may not have a net charge, but it has highly electrically p o l a r i s e d m o l e c u l e s . T h e a n g l e b e t w e e n t h e h y d r o g e n a t o m s a t t a c h e d t o t h e o x y g e n a t o m i s about 100 degrees, which results in a molecule that quickly orients to any stray electric fields and succumbs to induction once significant numbers o f m o l e c u l e s a r e i n m o t i o n i n a magnetic field and have oriented

themselves in unison.

Alfvén waves are a form of charged solar radiation that is also free to be i n d u c e d i n t o a h e l i c a l m o t i o n . Hurricanes, tornadoes, galaxies and solar systems are freely induced to circulate, and the initial magnetic field required for all of these systems is a uniform background magnetic field which is typically rather weak.

T h e p l a n e t J u p i t e r f u r t h e r demonstrates electrodynamics in its w e a t h e r p a t t e r n s . Ti m e - l a p s e i m a g e s o f J u p i t e r s h o w c o u n t e r- rotating rings of clouds above the s u r f a c e , p a r a l l e l t o t h e e q u a t o r. T h e s e r i n g s h a v e a n i n t e n s i v e shearing where they slide past each other, which is not easily accounted for by normal thermodynamics or aeronautical studies.

Electrodynamics easily tells us that such a shearing of winds could p r o d u c e r i n g s o f a l t e r n a t e l y electrically charged gas belts around t h e p l a n e t . E a c h r i n g w i l l t h e n circulate the magnetised planet in the direction dictated by its charge. The shearing winds could act like f e e t s h u f f l i n g o n a c a r p e t , t o c o n t i n u o u s l y b u i l d u p o p p o s i n g charges in the counter-rotating belts. Each ring would then add energy to and draw energy from the planet's overall single magnetic field.

A generator without coils

It is rather easy to produce current

e l e m e n t s i n t h e l a b a s w e l l . A current element is simply a current- c a r r y i n g w i r e s e g m e n t t h a t h a s sliding, rolling or arcing brushes at each end. It is my belief that the future of electric generators exists in i n d u c i n g c u r r e n t i n j u s t s u c h elements instead of in coils.

My generator designs are patented and available for viewing online at [www.magvortechs.tk.](http://www.magvortechs.tk/) It is beyond the scope of this article to explain all the features of my 2003 generator patent [US Patent 6,603,233], but s u f f i c e t o s a y I b e l i e v e i t w i l l outperform every other induction- based generator design. My designs have no coils, utilise high-strength rare-earth magnets and have a very special rolling-brush system. Be free to investigate my work further, and c o n t a c t m e f o r a n y f o l l o w - u p discussions. ∞

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