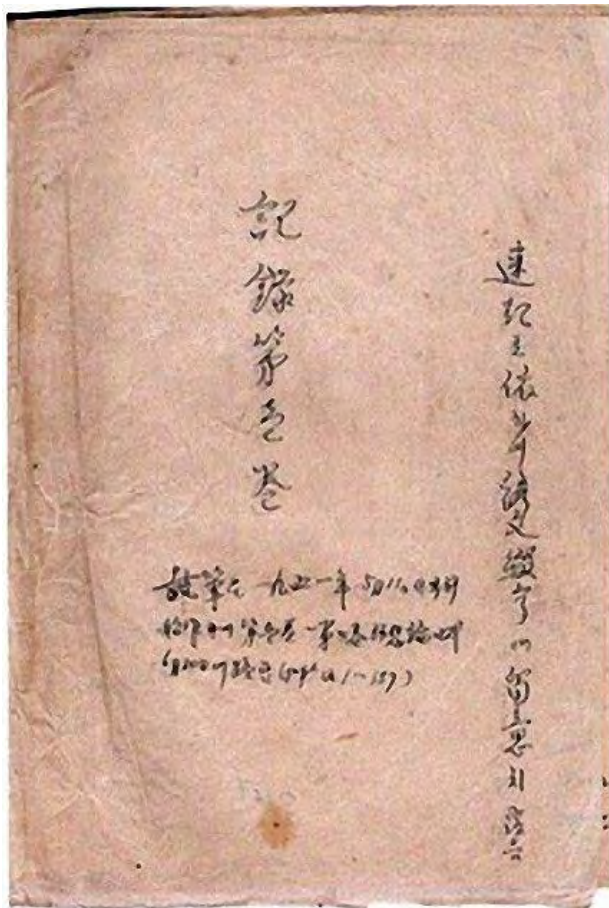


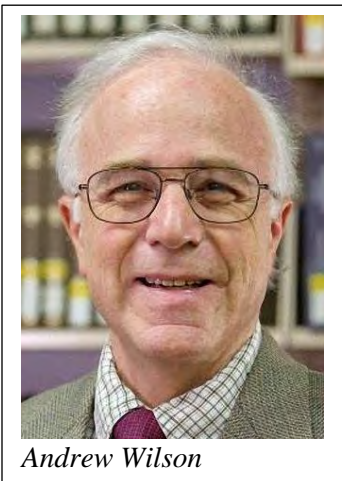
FFWPU Europe and Middle East: Electric Induction Shows Us How God Creates

Knut Holdhus
May 15, 2024



Front page of *Wolli Wonbon*, an unpublished document of about 700 pages, hand-written by Sun Myung Moon in 1951-1952 during the Korean War

American academic discovers how the basic principles of electricity taught Father Moon how God creates



Andrew Wilson

Part 3 of "Rev. Moon's Early Writings on Science", a presentation by Dr. Andrew Wilson, Professor of Scriptural Studies at [HJ International Graduate School for Peace and Public Leadership \(HJI\)](#), New York, USA, given on a special online program 7th May 2024 hosted by [HJI](#) and the [Higher Purpose Forum](#) (HPF).

See [part 1](#), [part 2](#)

Now, let's move on to talk about electrical induction.

[Reverend Moon](#) studied electrical engineering before he became a minister. He learned something about electrical induction and saw within it the truth of [God](#).



[Tower Vectors by Vecteezy](#)

If we look at the basic principles of radio, the radio transmitter sends electricity vibrating at a particular frequency to the transmitting antenna. There is give-and-take action of electricity in the antenna, vibrating up and down the antenna wire, and this causes a wave to be created in the surrounding space. The wave in the surrounding space vibrates at the same frequency as the movement of electricity in the antenna. It then arrives at the receiving antenna of the radio, where it excites electricity in the radio receiver, again at the same frequency. Thus, we have radio transmission.

Radio works by induction. Induction means that the [giving and receiving](#) in the primary wire causes the same type of action to take place in the surrounding space. The electricity in the transmitting antenna wire, moving at a

particular frequency, causes electricity in the surrounding space to move at that same frequency. This is induction.

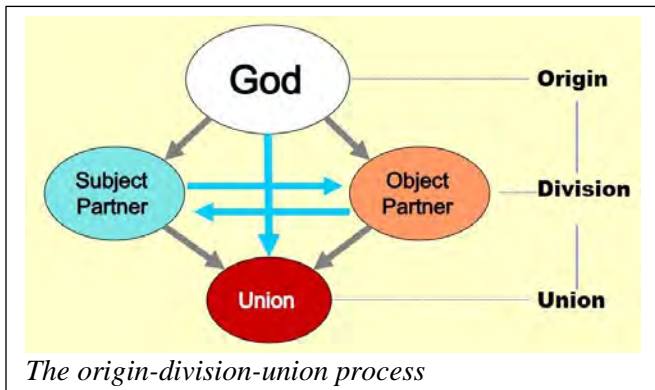


And that wave in the surrounding space will cause a second action of induction when it hits the antenna of the receiver and causes electricity there to move at the same frequency. When you tune the circuit in your radio to match that frequency, it will activate, and you can receive the radio signal.

We can say metaphorically that [God](#) is the antenna whose object partners of Yin and Yang are in eternal [give-and-take action](#) for balance

and harmony. By the power of induction coming from [God](#), that action manifests in the cosmos as the phenomena of yin and yang object partners that are likewise in balance and harmony.

So, [God](#) is the causal reality of the forces of creation, which [give and receive](#) to form created beings that take the same form as [God](#). This can be understood as the fundamental cause of gravitation, of electricity, of biology, of life, everything. Everything manifests [give-and-receive action](#) based on induction from [God's](#) action of [giving and receiving](#).



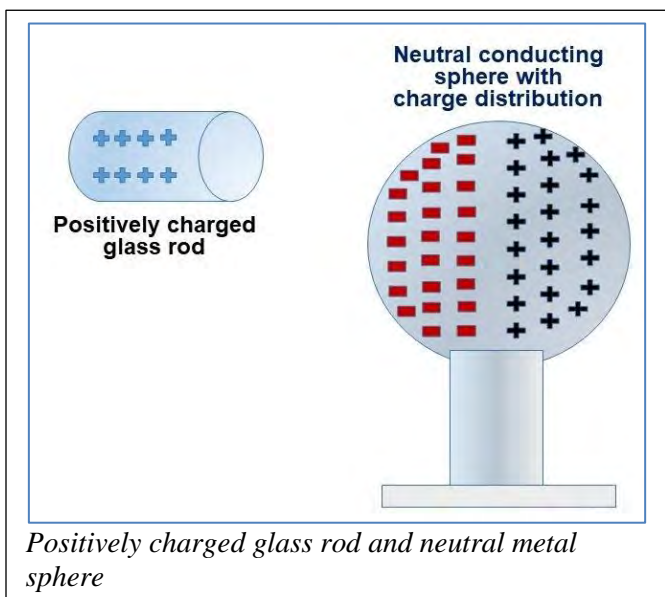
Look at this diagram from our traditional [Divine Principle](#) lectures depicting origin, division, union. We see that the dual characteristics of plus and minus, the object partners in [God](#), are united in perfect harmony. That's the Origin, the Source. Then [God](#) creates all beings in heaven and earth as pairs of object partners, plus and minus, male and female. That's the division stage.

The origin-division-union process

And then by induction from [God](#) who is a perfectly harmonized being of plus and minus,

beings in the creation also join in union as plus and minus, engaging in [give-and-take action](#) of prime force, beating in time with [God's](#) duality of Plus and Minus.

And then by induction from [God](#) who is a perfectly harmonized being of plus and minus, engaging in [give-and-take action](#) of prime force, beating in time with [God's](#) duality of Plus and Minus.



So [God](#) is constantly creating. [God](#) is not just the Creator who set the universe into motion in the beginning and then left it to scientific laws. [God's](#) creative activity is manifest in all beings of creation at all times. That's why beings in myriad variety at every level manifest beauty and fill us with wonder. It is because they all have plus and minus elements that enable them to resonate with the form of [God](#).

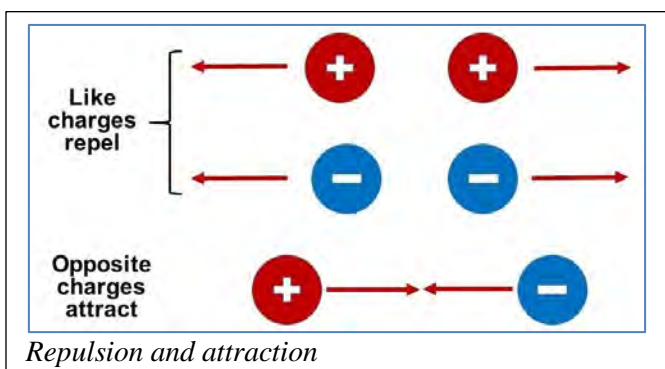
Positively charged glass rod and neutral metal sphere

Another thing: [Reverend Moon](#) was fond of the expression, "When a perfect plus charge appears, a perfect minus charge arises." This again is an example of induction.

If you go into a physics lab, you can do this experiment with electricity. You need a glass rod and a metal sphere. Charge the glass rod

by rubbing it briskly with a cloth. Hold it an inch or so from the sphere. When the charge is big enough, you can see a spark.

This happens because plus charges on the glass rod cause minus charges to gather by induction on the sphere facing the rod. The plus charges and minus charges are object partners to each other, so when conditions are right, a spark can jump as they unite to "fulfill the [Principle](#)". The same mechanism operating between the clouds and the ground is responsible for lightning.



Repulsion and attraction

[Reverend Moon](#) used this analogy to say, we all should become a perfect plus. When we do, others will gather around us as minus. And the way that we can become a perfect plus is by relating to [God](#) and [True Parents](#), who are the plus, as a perfect minus. In other words, it is by becoming [God's](#) object partners. This again, is how [God](#) can create by the [Principle](#). Especially, it is how [God](#) can move the [providence](#) forward among humankind.

Another characteristic of plus and minus in the creation that we shouldn't leave out is the force of repulsion. Repulsion works to complement the force of [give-and-receive action](#) to put things in order. It works so that if a being is not in accord with [God's](#) duality of plus and minus, the force of repulsion will move it to another place where it can fulfill its appropriate duality.

That's why if a single man (plus) or a single woman (minus) in the vicinity of [God](#), who is plus and minus together, tries to unite with [God](#), he or she cannot completely unite with [God](#), because there is no resonance with [God's](#) duality of yang and yin, or plus and minus. Instead, an action of repulsion ensues.



A happily married couple

But once a mature man (plus) finds a mature woman (minus), or a mature woman (minus) finds a mature man (plus), and they stand together as husband and wife, then, because they resonate with [God's](#) plus and minus, the action of induction unites them with [God](#). This, you might say, is the scientific basis of the [Marriage Blessing](#).

The action of repulsion actually supports the action of prime force to unite beings. It is because when two beings who are plus and plus repel each other, they'll separate, and then each can find their respective minus partners with whom to unite by the action of prime force. So,

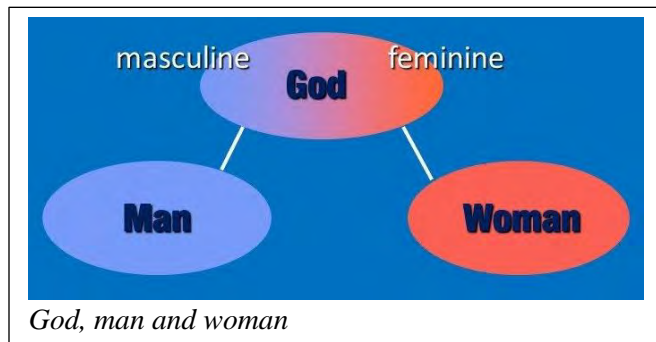
you need both the action of repulsion and the action of uniting by prime force together to establish the order of creation.

It is just like the earlier discussion of planetary motion: You need both the attractive force of gravity and the repelling force of centrifugal force in order to establish the order of the planets around the Sun.

Sometimes charges that are plus and plus or minus and minus can stay together, e.g. when electrons are flowing in a wire, they're all of the same charge. This occurs because they have not yet united with their object partner of the opposite charge. We see this in human society, in groups of teenage boys or groups of teenage girls, young people of the same gender who flock together.

However, once a plus secures the position of object partner with its minus, then it will repel another plus. In human terms, once one of those boys meets a girl of his fancy, the two of them will pair off and no longer spend as much time with their former same-sex friends.

If a couple who are plus and minus is not perfectly united, then a second plus can circle around them and try to invade their union in order to take the minus for itself. But if the couple is totally united as plus and minus, it will repel the second plus. Then the second plus will have no choice but to leave that couple alone and find its own minus. When it does, the second plus and its own minus will form a second couple. Those two couples will once again be able to relate, but this time without infringing on each other.



God, man and woman

That is how the order of creation was supposed to unfold, from [God](#), who is the union of plus-minus, to Adam and Eve, who were to unite firmly as plus and minus. Then Lucifer, that lone plus that was circling around Adam and Eve, would take his correct position and find his own minus.

In conclusion, here [Father Moon](#) gives us a scientific understanding of how [God](#) creates and continues to operate in the creation. It is based

on induction, which is a basic principle of electricity. Because [God](#) is a being of plus and minus eternally [giving and receiving](#) in unity, [God](#) can create by induction the same kind of duality and unity in all beings throughout the creation.

To be continued. Part 4 coming soon.

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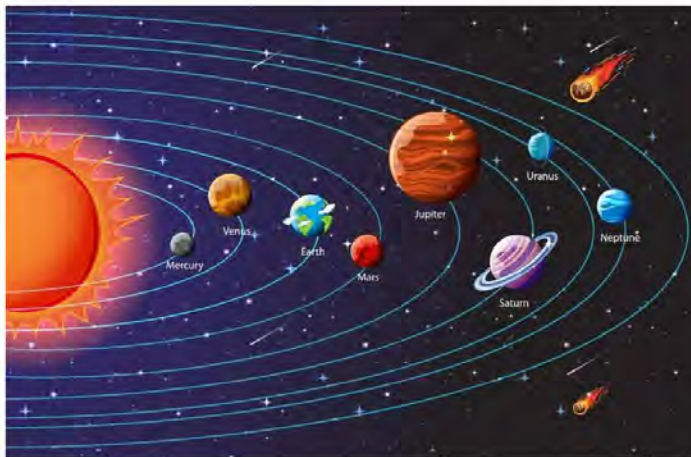
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Dr. Andrew Wilson. Photo: HJI

Studies at HJ International Graduate School for Peace and Public Leadership (HJI), New York, USA, given on a special online program 7th May 2024 hosted by HJI and the Higher Purpose Forum (HPF).

See part 1, part 3

From the viewpoint of the Principle, all forces arise from give and receive action to fulfill a purpose. Since gravity is a force, it must exist for a purpose. And the purpose for which gravity exists is so that celestial bodies – the sun, the moon, the stars, and so on – can exist and fulfill their purpose of existence.

Gravity is what causes these entities to become “object partners” to one another and revolve around each other in orbits. Thereby they engage in give and receive action and fulfill the principle in their orbital motion.

So, the viewpoint of the Principle is not looking at gravity as a force in isolation, but is looking at gravity from the point of view of purpose, that gravity exists in order to form the celestial world.

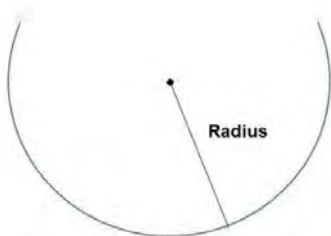
Thus, in our solar system, we have object partners in motion. The earth's object partner is the Sun. The Sun's partners are all the planets, the asteroids and comets. All these object



The gravitational force between the Sun and the Earth. Illustration: Solar System Vectors by Vecteezy

partners have been moving in balance continually for millions of years. And since they are in balance, they can continue their motion without failing. The universe is full of celestial bodies and object partner relationships, all of them connected by the force of gravity.

This presents a problem. How can there be balance if gravity is only an attractive force? If there was only gravity, understood to be a force of attraction, all the planets would collapse into the Sun. There has to be a repelling force equal to this attracting force, so that repulsion and attraction, or giving and receiving, can be in balance.



Centrifugal force. Illustration: FFWPU

As a matter of fact, there is such a repelling force. It's called centrifugal force. And in fact, centrifugal force is generated by gravity, because as an object is

moving in a straight line in a certain velocity, when it encounters the gravitational field of an object like the Sun, it starts to move in a circle. And when it does, there is a centrifugal force that is generated. That repelling force of the centrifugal force that is generated by the Sun's gravity interacting with that object in motion curves its motion into a circular orbit. Once in orbit, the centrifugal force exactly balances gravity's attractive force.

Science generally regards the cause of



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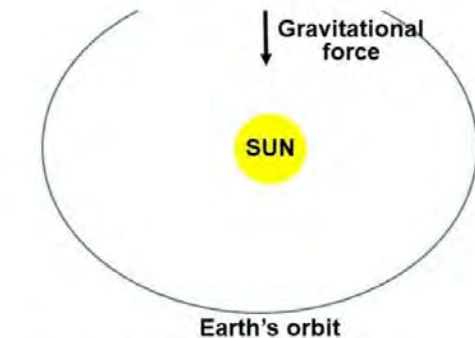
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centrifugal force as the object's velocity or momentum, but it wouldn't have arisen without encountering the force of gravity, in this example from the Sun. Thus, there is a sense in which gravity is the cause of the centrifugal force.



Gravitational and centrifugal force. Illustration: FFWPU

So we can say that gravitation, taken as a whole, operates with both giving and receiving forces in order to bring about balanced orbits of objects like the Earth revolving around the Sun, objects that are in an object partner relationship. Gravity and the centrifugal force that it causes set up a circuit of giving and receiving so that the Earth stays in its orbit around the Sun.

These forces of **giving and receiving** together are what Wolli Wonbon calls "universal prime force". Now, this is different from the term "universal prime force" in the **Exposition on the Divine Principle**, which is indicated to be a force from **God**. Here universal prime force is the force of **giving and receiving** that creates balance and harmony in all things. And all celestial bodies exist by the operation of universal prime force.

Newton's law of gravity only looks at half of the system, namely the receiving or attracting force. But gravity, according to the **Principle**, should be seen within a system of **giving and receiving**. From the standpoint of purpose, gravitation contains both gravity and centrifugal force, which act together to constitute the solar system.

Science, however, traditionally based on Newton, analyzes forces separately with formulas like $F=ma$ [Newton's second law of motion: net force is equal to mass times acceleration]. But it should begin by looking at the whole system in balance. That's **Reverend Moon's** point here.

If instead of looking at reality in terms of forces interacting with each other, we should look at reality in terms of a balance of **giving and receiving**. This can be the basis for a new world civilization, because **giving and receiving** is the principle by which individuals, families and societies can establish a peaceful, unified world.



Newton's second law of motion displayed on monument at Lanzarote Aeronautical Museum on the Canary Islands, Spain. Photo: Mike Peel / Wikimedia Commons. License: CC ASA 4.0 Int. Cropped

In the world of **giving and receiving** centered on **God**, people will share material goods, not accumulate, not just receiving, like the force of gravity does. They will live in peace and harmony by **giving and receiving**. It's also opposite the world of Marxist theory of forces, which sees forces as an opposition fighting and colliding with each other. This is the scientific basis, **Reverend Moon** believes, for a world of **giving and receiving**. He views such harmony as rooted in the very fabric of nature.

Yet in today's world, people only focus on what they can take, not what they can give. They are acting more like Newton's gravity. They make war, oppress each other to get what they want.

But when science recognizes the principle of **giving and receiving** in all things, people can establish a peaceful world.

And then once that happens, people won't need religion anymore. They will simply be able to align themselves with science, and everything will go well.

Continued in [part 3](#).

See [part 1](#), [part 3](#)

Featured image above: [Planets of the Solar system](#).
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