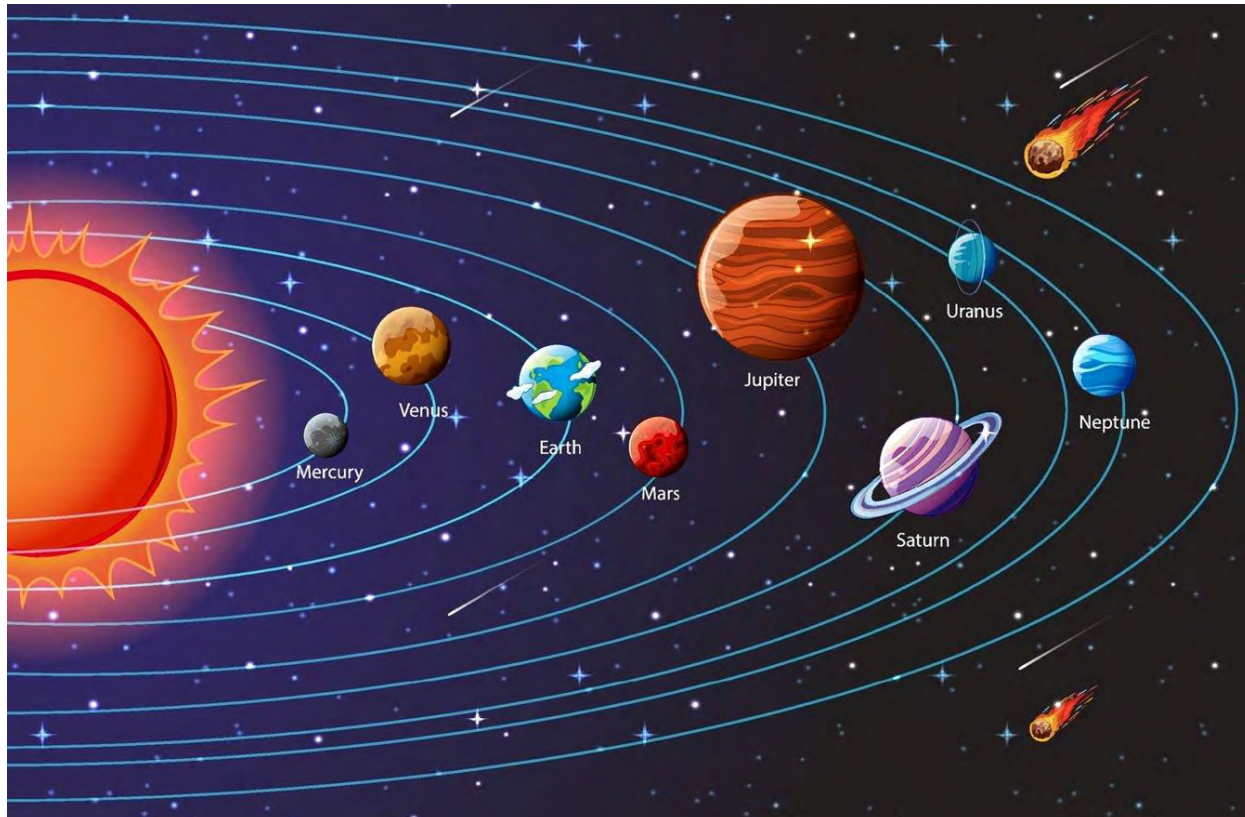


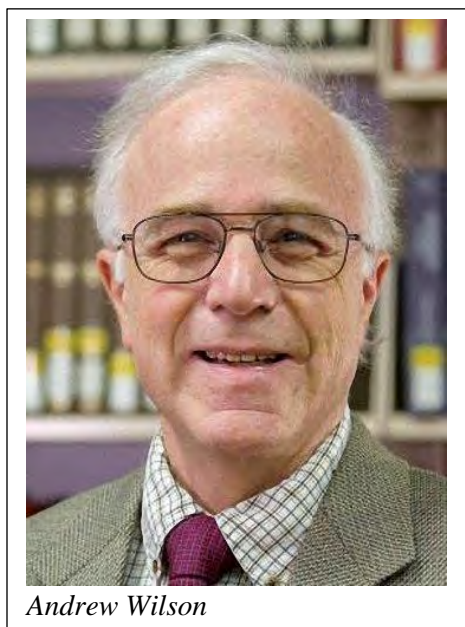
FFWPU Europe and Middle East: Wollf Wonbon On Gravitation / Planetary Motion

Knut Holdhus
May 13, 2024



Planets of the Solar system

Sun Myung Moon's handwritten document from 1952 looks at gravitation / planetary motion



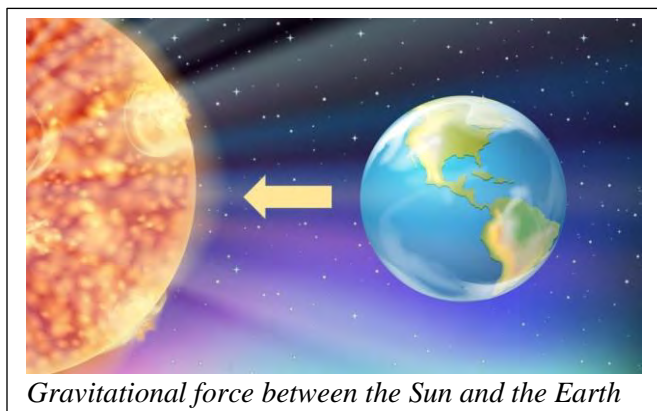
Andrew Wilson

Part 2 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](#)

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 purposes and 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.



Gravitational force between the Sun and the Earth

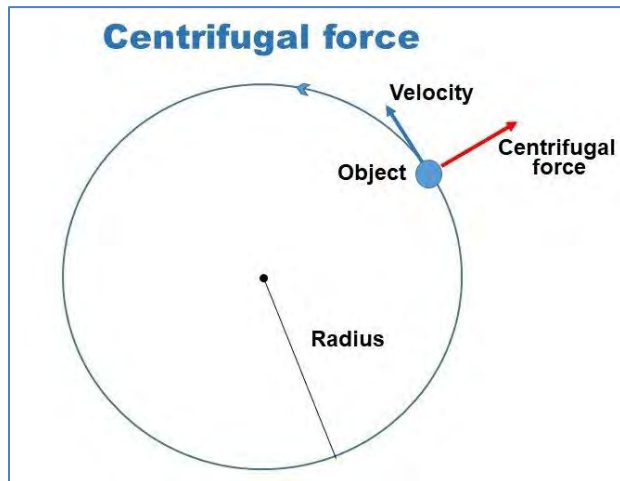
So, the viewpoint of the [Principle](#) is not looking at gravity as a force in isolation, but is looking at gravity from the point of view of purpose, that gravity exists in order to form the celestial world.

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 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

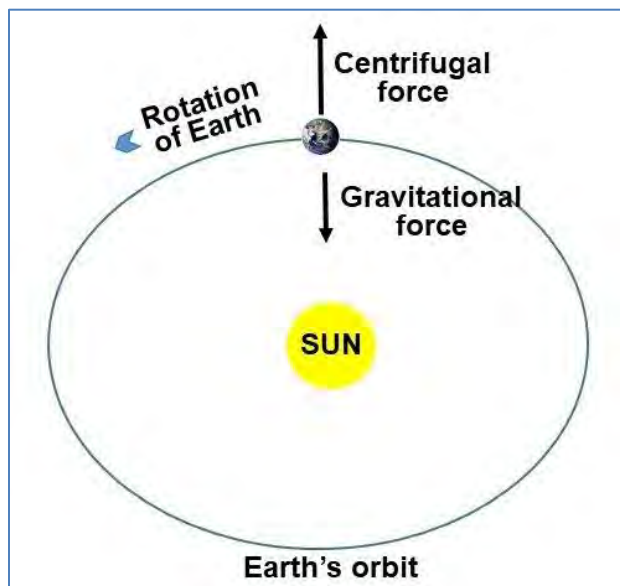
connected by the force of gravity.

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

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.



Gravitational and centrifugal force

Science generally regards the cause of 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.

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.



Newton's second law of motion displayed on monument at Lanzarote Aeronautical Museum on the Canary Islands, Spain

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.

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.

To be continued. Part 3 coming soon.

See [part 1](#)

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Epigenetics And New Holistic View Of Evolution

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American academic reveals Sun Myung Moon's focus on science in his early writings from 1952

Part 1 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 2](#)



Five sections of Wollli Wonbon, in [Father Moon's](#) own handwriting. Photo: [FFWPU](#)

I have been really blessed to be able to work for many years together with my colleague Hee-hun Standard on translating Wollli Wonbon. HJI has a manuscript of Wollli Wonbon, which was written in [Rev. Moon's](#) own handwriting – a Xerox copy of about 700 pages, which we could work from.

It is a substantial document. It has chapters on creation, the Fall, the mission of Jesus, and so on. But 100 pages or more are on topics relating to science, including gravitation, astronomy, electromagnetism, evolution, animal behavior, and human psychology.

Everything in [Reverend Moon's](#) thought about science is based upon the [Principle](#), and specifically what he in that manuscript called "the Principle of Object Partners".



Where most of Wollli Wonbon was written: The shack in Busan, South Korea that [Sun Myung Moon](#) built, lived and taught in 1951-1952, as a penniless refugee during the Korean War. It was built with rocks, dirt and cardboard boxes in 1951. Photo: [FFWPU](#)

Object partners are entities that unite by engaging in [give and receive action](#), or [give and take action](#). This is different than the meaning of [object partner](#) in [Exposition of the Divine Principle](#), which is a position in relationship to a subject partner. Rather "object partners" in Wollli Wonbon are beings that have achieved unity in their relationship. The contrastive term to object partners is "counterparts," which are entities that are still at a distance.

There are countless object partner relationships throughout the cosmos, from celestial bodies to human beings and even to [God](#).

[Reverend Moon's](#) interest in science stems from his background. He studied electrical engineering in Japan when he was in high school, at a school connected to Waseda university.



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And then while doing his ministry in North Korea, he encountered Marxism-Leninism. He even spent almost three years in a labor camp where they had continual brainwashing lectures on Marxist-Leninist theory, that he had to endure. One of the things that Marxism-Leninism claims is to be “scientific”. He saw that communism’s claim to be a modern scientific truth advantaged it over religions, which are based on texts from ancient times like the Bible. And this was one of communism’s appeals.

Reverend Moon saw the need for a scientific principle centering on God that would overcome Marxist-Leninist theory by rooting religion in science. That is one reason that from the very beginning of his ministry, Reverend Moon was interested in bringing together science and religion.

Among the many topics in the hundred pages or so of Wolli Wonbon that are devoted to science, I’m going to discuss four of them:

1. Gravitation and planetary motion,
2. Electrical induction in the activity of God in creation,
3. Diversity in nature as seen in the colors of light, and
4. The Principle in psychology.

Continued in [part 2](#).

Featured image above: Dr. Andrew Wilson. Photo: [HJI](#)

“Science in Rev. Moon’s Early Writings” – text: Dr. Andrew Wilson

Dr. Andrew Wilson’s scholarly books and papers cover diverse topics ranging from religion and peace to character education to a theory of the spirit world. His efforts on behalf of inter-religious harmony led Father Moon to commission him to write *World Scripture: A Comparative Anthology of Sacred Texts* (published 1991), which has become a standard work of interfaith scholarship and a resource for interfaith worship. He also wrote a second volume of *World Scripture (World Scripture and the Teachings of Sun Myung Moon*, published 2007) that includes a broad selection of Rev. Sun Myung Moon’s words, adopted as one of the eight official textbooks of Unificationism.



World Scripture: A Comparative Anthology of Sacred Texts (published 1991)

Dr. Wilson joined the faculty of HJI in 1985. He is professor of Scriptural Studies and Director of Scriptural Research. He earned his bachelor’s degree from Harvard University (majoring in biochemistry), a master’s in theology from Harvard Divinity School, and a PhD from Harvard University.

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