

Followers of possibility to create antigravitational forces in rotating co-ordinate system now got a reliable support for their scientific research. Even skeptical scientists recognized Ponomariov's idea to be very interesting, because they should oppose mainly Einstein's theory but not only the new notion of antigravitation, to disprove it. That's why it is natural that nobody suggested a generally recognized and well-founded theoretical refutation of potential model of antigravitational interaction of bodies.

Followers of Ponomariov's idea from various cities organized a wide network in the Internet to distribute materials on proposed theory. So, it became known that some interest in potential model of antigravitational interaction of bodies already appeared from NASA.

**The most important thing is a postulate stated by Ponomariov that antigravitational interaction between two bodies can be obtained if material points of one body are moving along elliptic trajectories relatively to material points of another one.** This postulate brings us to the attentive and more serious consideration of such phenomenon as UFO.

Talks and disputes on existence of alien civilizations and their presence on the Earth have been holding for few decades. Many publications on histories of eyewitnesses, hypotheses of scientists are devoted to this problem; radio and TV programs often announce about it. The grounds to all these announcements are the "inexplicable" phenomena observed in atmosphere, traces of UFO presence on the Earth and so on. Of course, in most cases some astronomic, atmospheric or man-caused phenomena were recognized as UFO. But there are some announcements about UFO, which are not

explicable in such a way. Let's ask a question, why the main shapes of observed UFO are discoid or spherical objects. It is not occasionally that the phrase the "flying platform" got assimilated and is known for everyone.

If we suppose a hypothesis that "flying platform" is a reality and they are the vehicles of aliens, than it is natural that their shape should be explained to a greater extent by technologies used by aliens. So, we can inscribe a disk or a system of disks in most shapes of UFO.

But a conclusion from the cumbrous definition of antigravitational wing given by Ponomariov is the following: antigravitational wing can be a material body of any shape, which rotates around its axis with a certain angular speed, or a material body, in which the motion of electrically charged particles is registered. That's why the most acceptable shape of antigravitational wing for technical usage is a disk or a system of disks (any elements of disk) in any modification.

We should note, basing on the rates of spreading of the work by Dmitry Ponomariov and Roman Shibeko and interest to it in the world, that big hopes are connected with potential model of antigravitational interaction. It gives us the possibility to create an antigravitational wing in the near years.

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## AN INTRODUCTION TO GRAVITY

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*[Author's Note: This article is condensed and abbreviated from a series of small books. It's concepts cause most minds to make major adjustments over a time. To understand these concepts, it is advisable to read the article several times with at least one full night's sleep between each reading.]*

Possibly, the first being on this planet to seriously contemplate the existence of gravity was the first to attempt to walk on land after it emerged from the ocean. Similar occurrences have led only to the conscious



discovery of the existence of gravity. The discovery of the nature of gravity must come from at least a slight understanding of electromagnetism and light. So a small part of the nature of light is what will come first in this introduction to gravity.

For over three centuries, two views of the nature of light have been competing: (1) light travels as a wave through a medium, and (2) light is the result of particulate packages traveling in a vacuum. In the late 19th and early 20<sup>th</sup> centuries, a number of experiments were performed which attempted to establish the existence of a medium called “luminiferous aether” through which light travels as a wave. These experiments were all based upon the premise that the earth moves through a stationary aether. Thus, the velocity of the aether relative to the earth’s surface should be a combination of three motions: (1) the rotation of the earth, (2) the movement of the earth in its orbit about the sun, and (3) the movement of the sun about the galactic center.

Although a relative aether velocity was established immediately and eventually shown to have seasonal variation, the magnitude of this velocity was considerably less than predicted by theory. (See “Dayton Miller’s Ether-Drift Experiments: A Fresh Look” by James DeMeo in Volume 7, Issue 38, 2001, *Infinite Energy Magazine*.)

In 1914, Sagnac proved the existence of aether by measuring aether velocity relative to a rotating apparatus. His measurements were precisely what was predicted by theory and no fault was found with his experiment. (See two articles in Volume 7, Issue 39, 2001, of *Infinite Energy Magazine*, one by A. G Kelly and the other by the Paulo N. Correa and Alexandra N. Correa.)

Meantime, Einstein’s theory of relativity had been established as an alternative to aether, and those subscribing to relativity were fearful of being proven wrong. Consequently, all experiments favoring aether theory were either discredited, denied, or suppressed by the scientific community.

In the early 20th century, it was acknowledged that the electron has innate spin. This spin is always present, is essentially the same for all electrons, and does not appear to be altered by their traumatic experiences. Therefore, the electron must have a source of energy allowing it to continue to spin at a constant rate. The discovery of Electron spin was a blow to accepted theory at the time. However, the proponents of relativity and empty space bandaged their theories as best they could and offered a rather complex and weak explanation for electron spin.

In 1964, while attempting to discover the true nature of light, I realized what I believed to be the only reasonable explanation for the energy behind electron spin. Apparently, the electron is not a particle, but a vortex. Vortices such as the whirlpool, the waterspout, the tornado, and the hurricane all have innate spin and their energy is provided by the pressure difference between the medium of which they are composed and the relative vacuums at their centers. This revelation led me to examine sources other than the accepted ones in regard to aether, including the papers Einstein was working on just prior to his death. My efforts resulted in a

complete unified theory (then known as the *unified field theory*).

My theory was not even considered worth examining by the physicists of the time. My brother and Mart Gibson were the only ones who understood any of it. Both became allies in its development, but Mart was more instrumental as a partner and the bulk of the theory development was the result of his help.

A Russian physicist recently provided an interesting anecdote. While he was a student in Russia, he customarily worked with his physics instructor after classes were over for the day. They were using unusual configurations of electromagnets. Although they did not develop a complete theory, they became convinced that 21st century physics would be based upon “whirlwinds”.

If the electron is a vortex, it is composed of a medium which permeates space. This medium would be the aether in a dynamic form. The dynamic aether would be flowing into the electron. If the electron is a vortex, then it is likely that other subatomic entities are also vortices or combinations of vortices, with the exception of neutrinos and any similar entities that may be discovered.

At the subatomic level, the inflow of aether is configured as vortices and the geometry is such that the rate of inflow is relatively weak. I call this inflow “micro-gravity”. If we were to place a subatomic entity alone at the center of a large theoretical sphere, the instantaneous velocity of the inflowing aether at the surface of the theoretical sphere would be very small. If we were to place many subatomic entities at the approximate center of the same sphere, the instantaneous velocity of the inflowing aether at the spherical surface would be very large. This is what our planet is: a large collection of subatomic entities. The large flow of aether into it produces gravity.

We can theorize many spheres having different radii (no two alike) and a common center, all nesting within one another. We can place our planet at this common center. Now the aether will be flowing through the surface of each sphere. The same amount of aether must flow through each of the spherical surfaces. Because the surface area of the larger of these spheres is greater than the area of the smaller, the instantaneous velocity of aether is less at the surface of the larger spheres and more at the surface of the smaller spheres. This is analogous to the water in a river flowing slowly where the river is wide and deep, and quickly where the river is narrow and shallow.

There is one of several differences between aether and water which should be mentioned at this point. Water is not compressible in the usual sense and is, therefore, used to test high-pressure tanks to avoid having the tanks explode. On the other hand, aether is very compressible and causes high-intensity electromagnets to explode.

The compressibility of the inflowing aether causes it to increase in density as it is forced through the lessening areas of the theoretical spheres surrounding a planet. This is analogous to forcing marshmallows through a greased kitchen funnel. The marshmallows both accelerate and compress as they move through the funnel. At the top of the funnel, they move slowly and are not compressed. At the bottom, they move quickly and are very compressed. From this point on, the funnel analogy will be used by calling the gravity well of a celestial body a *gravity funnel*. The area of the theoretical spheres will be called *funnel cross-sections*.

There is a self-evident law regarding a gravity funnel. I call it the "Mass Equivalence Law" (MEL) and it states: "*The same amount of aether must move through every cross-section of any particular gravity funnel within any given length of time.*" This is logical because a gravity funnel has no sides. Therefore, there are no places for aether to enter or leave the funnel except through its top which is at an infinite distance from the mass creating it.

Aether has "Mass" with a capital "M" as opposed to "mass" as we know it. The "mass" we know is the result of "Mass" moving into subatomic entities. The more "Mass" moving into a subatomic entity or a group of subatomic entities within a certain period of time (such as one second), the greater the "mass" of the entity or group of entities. Mass moving into a subatomic vortex creates a dynamic geometry from which a mass/energy equivalency equation can be derived that is identical to Einstein's.

Aether Mass has the quality of inertia. Inertia is a passive quality meaning that something is going to continue to do whatever it is doing until something changes it. This is logical because there is *no reason* for a change to occur unless something causes it. A vortex forms because of inertia. The vortex' medium is forced to take a turn at ninety degrees to its original direction of motion. Inertia prevents an abrupt ninety degree turn, so a curved path must be taken, and this is the path we call a vortex. A vortex that is a subatomic entity such as the electron is not possible unless the incoming aether has the quality of inertia.

Because aether in a gravity funnel moves into smaller and smaller areas, it is compressed in the two dimensions perpendicular to its inflowing direction. This compression may be expressed in mathematical form as a function of the spheres' radii. Because each theoretical sphere has aether moving through its surface at an instantaneous velocity, each is an energy level for the incoming aether. This allows the velocity to be expressed as a function of the spheres' radii. The instantaneous velocity at any point is the result of the force of the aether pressure and the vacuum working against aether inertia. The velocity is the reciprocal of a radial decrease in aether density because both are consequences of the same forces. Therefore, the aether density decrease (expansion) may also be expressed as a function of the spheres' radii. Lastly, the product of

the aether compression and the aether expansion is the overall aether density.

I am not attempting to overwhelm the reader with mathematical terms. I am simply explaining that mathematically we have shown that the MEL can be satisfied by the density, velocity, and area equations mentioned in the foregoing paragraph. We have also shown that the Inverse Square Law (ISL) for gravity is the result of the math in the foregoing paragraph.

The ISL has been known for many years and is often considered to be a form of explanation for gravity. In reality, it is a mathematical convenience, a consequence, and a veil. The real cause of gravity is the inflowing dynamic aether which has qualities which include inertia and compressibility. Although the ISL is only a consequence, the fact that it can be derived from the math of the inflowing dynamic aether is a strong argument in favor of this theory of gravity.

I have been using the term *instantaneous velocity* for aether in a gravity funnel because there is no aether velocity as such in the funnel. True velocity is a distance divided by a time. In a gravity funnel, a distance divided by a time is not even an average velocity because the acceleration known as gravity is increasing with the decreasing distance inward. What we really have in a gravity funnel is acceleration, and only acceleration at any given distance from the center. Otherwise, we have increasing acceleration (sometimes called "jerk") as the aether moves inward. The term *instantaneous velocity* means what the velocity would be if we could extend a point and a time so that we can have a distance divided by a time. Instantaneous velocity is a theoretical velocity.

Gravity is an acceleration of aether and its effect is not distinguishable from the effect of acceleration in "free" space. Einstein showed that if a man were in an elevator in deep space, moving "upward" with an acceleration of one "g", he would have the same feeling of gravity that he would have if the elevator were standing upright on the surface of the earth. In deep space, the elevator would be accelerating past the aether, so that the aether *would seem* to be accelerating past the elevator. Motion in deep space is relative. On the surface of the earth, the aether *is actually* accelerating past the elevator.

Aether is a perfect non-particulate fluid and is frictionless. Once it is in motion, it will remain in motion until a force changes that motion. All objects are composed of dynamic aether. At the subatomic level, as the aether inflow into an object in a gravity funnel adjusts itself for the instantaneous velocity around it. If this object is dropped off a cliff, it maintains the same adjustment during free-fall, so that the aether instantaneous velocity near it remains the same while it and the aether accelerate together toward the earth below.

At this point, we need to examine some loose ends and some associated areas in dynamic aether theory. These lead to some startling conclusions that will not be mentioned, but which you can discover on your own.

## Aether Velocity

The instantaneous velocity of aether in a gravity funnel is the same as the escape velocity of a rocket from that point in the funnel. Escape velocity is determined by the impact velocity of an object which has fallen from an infinite distance. The impact velocity can be found because it is part of the impact energy, and the impact energy is equal to the potential energy. The potential energy can be found and this allows us to find the impact energy which allows us to find the impact velocity. To escape from the gravity funnel, the same potential energy is needed as was lost when the object fell from an infinite distance. So the impact velocity is equal to the escape velocity. The aether which falls into a gravity funnel has also fallen from an infinite distance. So the velocity of the aether at a point within a gravity funnel is the same as the escape velocity of a rocket at that point.

## The Fourth Dimension

The math definitely indicates that aether flows into matter, and that the flow accelerates as it approaches matter. But where does the aether go after it arrives at each subatomic entity? My research into electromagnetism shows very clearly that it disappears into a single dimension that is at right angles to all three of the dimensions with which we are familiar. This fourth dimension is able to swallow the aether and still be hungry for more. There are several theories as to what this fourth dimension is, but no real evidence. However, there appear to be at least six types of time, and this dimension strongly resembles one of these.

## The Neutrino

Neutrinos are bits of rotating aether left over from the interactions of other subatomic entities. They have spin, but no inflow. They continue to exist only because (1) aether has inertia and is frictionless, and (2) they cannot interact with other subatomic entities unless they collide with them. Inflow is the cause of charge and micro-gravity. In the case of most subatomic entities it is also the cause of spin. Without inflow, a neutrino has no charge and no micro-gravity. Neutrino spin is localized so that only a direct impact with another subatomic entity will allow its presence to be known. Therefore, the neutrino cannot interact at a distance with other subatomic entities. This is why they are so difficult to detect.

## The Universe

The universe is composed entirely of dynamic aether. It appears that this aether began in a very concentrated form at one point within a volume of nothingness. An explosion is caused by something under extreme pressure being released into a volume of lesser pressure. When the universe was created as a point of aether pressure within a volume of nothingness, there was and still is an explosion. We live within a continuing explosion as the aether expands outward into the nothingness.

Any explosion is limited by the inertia of its medium, so that its medium expands with time as an acceleration. The relatively recent discovery that the universe is expanding as an acceleration is proof that we live within an explosion of dynamic aether. In a sense, this is "dark energy" because a dynamic aether contains energy throughout its entirety. Without our vessel of aether, there would be no energy because the motion of the dynamic aether is the energy. Many of our physicists have blinders on so that they continue to blame "dark energy" for the accelerating expansion. If they would take off their blinders and acknowledge the existence of aether, they could face the real cause this expansion and begin to tell the truth.

## The Typical Subatomic Entity

When we speak of the electron or any other subatomic entity which is a constituent of matter, we are actually speaking of its center. Its true body is the entire universe because a vortex reaches outward to infinity. Our bodies are made of matter which means we are made of vortices which extend to the limits of the universe. So we are all viewpoints within a common body we call the universe.

## The Einstein, Podolsky, Rosen (EPR) Experiment

The most sensational practical application of aether theory is the enlightenment and use of the principles behind the EPR experiments in which faster-than-light (FTL) communication seemed to be occurring. This subject is too long to explain in a short article and the preparation needed to understand it becomes very mathematical even though only algebra is used. Suffice to say, FTL communication is possible and is probably being used by a galactic society. Our own endeavors to use radio for intergalactic communication are analogous to nations tossing bottles into the ocean for communication between continents.

This article would be excessive in length if it were continued. More detail as well as many mathematical proofs may be found in my series of small books called **Behind Light's Illusion**. In this series, dynamic aether is called nether which comes from Greek mythology. The name nether was used to separate the qualities found in dynamic aether from those ascribed of the old aether. For those of you who are interested, **Behind Light's Illusion** is available through me at [lewprice@softcom.net](mailto:lewprice@softcom.net). Please give me some idea of your background and your math expertise and I will send you a list of books and their contents and possibly more information on gravity.

The understanding of aether as the cause of gravity leads to a full understanding of the nature of light and all the other puzzles and paradoxes of contemporary physics. In fact, these puzzles and paradoxes become nothing more than logical proofs for the existence of a dynamic aether. The physicists of the future will undoubtedly look back on our 20th century misconceptions either with horror or humor. Or perhaps these misconceptions will be called horribly humorous.