

CHAPTER EIGHT: KEELY AND THE PHYSICS OF VIBRATION



John Ernst Worrell Keely, 1837-1898

8.1 VACUUM DOMAINS = “CONSCIOUSNESS UNITS”

In the last chapter we showed how the energy of the aether can directly emerge into our physical reality through what is referred to as a “vacuum domain” or VD. This will commonly take up the form of a glowing, rotating sphere of light with a hole that passes through its center, making it look somewhat like an apple, a donut or the inside of an orange. The technical name for this shape is a “spherical torus.” Once a VD is created, anti-gravity effects can be produced, as well as “free energy.” The VD opens a gateway for the higher-pressure aether energy to stream into our physical world, much as a hole in the side of a water tank will cause the water to come rushing out. Gravity waves, which normally press into the earth, are absorbed and transformed into electromagnetism and visible light within these objects. Numerous observations of anomalous phenomena in the lithosphere, atmosphere and ionosphere of the Earth, as well as in free space on NASA shuttle footage, all support the existence of these VDs as a tangible reality. And Professor John Searl used these principles to create a workable anti-gravity machine, whose drive system was built with a rotating system of magnets. Later, Russian scientists Roschin and Godin replicated Searl’s results independently and measured temperature drops and “spheres within spheres” of magnetic energy that surrounded their device once it was powered up.

For our purposes in this chapter and thereafter, we will replace the unwieldy-sounding term “vacuum domains” with the simpler and more all-inclusive term “*consciousness units*” or CUs. As our discussion gradually progresses away from discussing free-energy and anti-gravity machines, we will increasingly need to support the idea that the aether is *intelligent energy* in the text. If we do not see the energy of the “consciousness units” as having all the ingredients for life, consciousness and Spirit within themselves, then we will be ill-prepared for our future chapters in this book.

8.2 KEELY DID IT FIRST

As we continue looking at these theories, it should be even more amusing to discover that *long before*

Schappeller, Larson, Searl, Cagle, Nordberg or Dmitriev, another physicist had also worked with these same concepts of “vacuum domains” or “consciousness units” of spherical energy with apparently astounding levels of success, if eyewitness accounts of his inventions are indeed accurate. This scientist was John Keely, and his work has now enjoyed such a renaissance that the KeelyNet website [<http://www.keelynet.com>] is at the forefront of alternative energy, aetheric science and anti-gravity research. Furthermore, Keely was not afraid to directly connect his theories with the idea of an Ultimate Being and of the philosophy of love and light as the unifying force in the universe, then being expressed in the form of the aether energy.

John Ernst Worrell Keely was born in 1837 and died in 1898. During this time, mainstream physics still considered the aether model to be correct, as the aftereffects of the Michaelson-Morley experiment would not be fully felt until the 20th century. Bearing all this in mind, every scientist of Keely's time naturally *gravitated* towards the aether model, (pun intended,) as it was in common acceptance at the time. Some of the designs were clearly flawed, as the early scientists were prone to believe that this aether was actually another form of *physical matter*, which it is not. Together, these ideas were called the "material aether" theories, and they were definitely incorrect. As one example, the “flux lines” of magnetic force are not a form of physical matter; they behave more as an energy field than as a *literal* fluid in motion. No one will ever find a tangible “fluid” in a magnet that they can literally pour into a glass! The energy is all around us and the magnet just focuses it so that it flows in one direction. Once modern quantum mechanics and relativity took off in the early 20th century, the scientific mainstream had discarded the aether theories completely, even though they were ultimately not "wrong," as we have already shown.

8.3 THREE MAIN AETHERIC FORCES: PUSH, PULL AND STABILIZE

Keely's biggest contributions to our “consciousness unit” theories relate to how the aether *creates and maintains* a CU. The first principle is that within each CU or luminous sphere of aether, there are three forces - the contracting force that we call gravity, an out-pressing force that we might call "levity" or anti-gravity and the stabilizing force that balances out the first two. These ideas are simply the end products of studying and observing the behaviors of **vibration**. So, if you picture a spherical balloon that is constantly inflating and deflating with air, you can see this in action:

1. Each contraction or shrinking of the balloon would be what Keely called the **"tractor"** force, akin to gravity. Outside air pressure contracts the balloon towards the center.
2. Each expansion of the balloon would be the **"pressor"** force, where the center pushes outward against the surrounding air pressure, akin to “levity” or anti-gravity.
3. A stabilizing force not unlike the balloon skin *itself*, which balances out and equalizes the vibrations, would be called the **"dominant."**

8.3.1 GRAVITY REDEFINED AS A PUSH-PULL EFFECT BETWEEN TWO FORCES

Here, it is very important for us to remember that ***there are actually two different forces working together in the earth to create what we measure as gravity.*** In bluntly simple terms, gravity is not just “down;” *it is the natural balance between the forces of “down” and “up.”*

So, using Keely's terminology, there is the *tractor* force that moves towards the core, and there is the *pressor* force that moves away from the core. Therefore,

What we interpret as “gravity” is the leftover force once the “up” and “down” energy movements have canceled each other out. Keely calls this point of balance the “dominant.”

An easy way to visualize this is with a tug-of-war game, where two equal-sized teams of people pull on a

long, thick rope as hard as they can. In the middle of the rope someone will tie a bright marker ribbon, and the objective is for one group to pull the rope far enough in their direction that the ribbon crosses a line that has been drawn on the ground. Once either team gets the ribbon to cross the line on their side, it means that they have pulled the other side far enough along to be considered the stronger team. If we look at the battle between gravity and levity as a different sort of game where the two “teams” are *pushing towards each other* instead of pulling away from each other, then gravity, the force that presses down, is always “winning” over levity by a set, balanced amount, which we now know as the “gravity constant.”

8.3.2 OBSERVATIONAL PROOF OF PUSH-PULL EFFECT OF GRAVITY

Most people never consider that we see proof of this balanced interplay between gravity and levity every day. Think about conventional ideas of gravity for a moment; *it is believed to be a force that causes two objects to be attracted to each other*. If this is the only force that exists, then we should expect that when two objects get close enough to experience gravitational attraction to each other, they will literally come into contact with each other. However, *all you need to do is look up at the Moon on any given night*, and you can see the proof that this is not what happens! We know that the Moon has enough of a gravitational pull that it can cause the oceans to move, forming the tides on the Earth, and *yet it always maintains a perfect distance from us* with an ongoing and even orbital motion. To put it bluntly,

If there wasn't a constant push-pull of gravity and levity moving between the Earth and the Moon and balancing their positions, they would have crashed into each other long ago!

Another piece of evidence that is so often overlooked is with our satellites. There is a spherical band around the Earth in which objects can float indefinitely. While they are in this area, they will not drift away from the Earth, but they also will not drift any closer to the Earth. In this energy belt, all of our satellites are placed, so that many of them do not require any propulsion systems to stay in orbit; *once they've been put there, they will stay there indefinitely*, and any propulsion systems are only needed for slight changes in movement, if at all. This area could not exist if gravity was simply a one-way force. And now we have a problem with “space junk” that floats around in this energy layer, due to the fact that it never goes away; everything that has ever been released in this area is something that can potentially collide with satellites and other objects. Many satellite observatories on Earth actively track the larger pieces of space junk to avoid damage to their equipment, and it is becoming more and more publicly known that this is growing into a very real problem that will need to be dealt with in the not-too-distant future.

Furthermore, recent advances in “Big Bang” cosmology theory have essentially come to the irrefutable conclusion that levity must push between large-scale structures in the Universe in order for them to be able to repel each other without colliding. So here again, we have an example of how thoughts are changing, but this line of reasoning has not yet worked its way back to our own local area and theories of Earth's gravity.

For another piece of proof, we can again cite the work of Richard Pasichnyk on his *Living Cosmos* website at <http://www.livingcosmos.com/earth.htm>, page 12, to make the point yet again:

Downward from the Earth's surface, [gravity's] primary differentiation with depth is accompanied by the progressive decline to zero of the force of gravity at the center of the Earth. ***Normal gravitational force, downwardly directed, is replaced by a reversed upwardly directed force at depths greater than 2,700 kilometers (1,678 miles)***, which would pull matter away from the core. This is especially true because the core is now known to be much hotter than previously thought.

This is why research involving deep mines and boreholes has shown different values for gravity with depth. In fact, *a person deep within a mine weighs less than that same person on a mountain top*. Moreover, those scientists studying the phenomena have called for a new model of the Earth, but long-held theories are not easily dismissed. As a result, the phenomena has been virtually ignored.

8.4 ABSORBING GRAVITY WITHOUT ABSORBING LEVITY

So, if this push and pull tug-of-war game is constantly being fought between gravity and levity, then gravity is always slightly winning the game on the Earth's surface. However, since the two forces are actually very close to being in an exact balance with each other, *if you can somehow absorb some of the downward-contracting gravitational force without absorbing the up-pressing "levity" force, then **the Earth's levity will naturally push you away from its surface, thus creating anti-gravity.***

Now at first, the idea of being able to absorb one force without absorbing the other doesn't seem possible. However, in Dmitriev et al.'s scientific model, we know that a "vacuum domain" or consciousness unit is **actively absorbing gravitational energy and transforming it into electromagnetic energy and Light**, since all these fields are different forms of the aether in motion. We are *also* told in Dmitriev et al.'s study that a "vacuum domain" has a definite, **polarized** "direction" for its gravitational effects; one end of the tube that runs through the center of the sphere will increase the weight of objects and one end will decrease the weight of objects.

This is not the way that gravity functions on Earth, obviously. The Earth has a magnetic field that is shaped like a spherical torus, but *gravity moves uniformly throughout its surface*; nothing will appear heavier on the north or south pole than it will on the rest of the Earth. However, when we create a "vacuum domain" as Dr. Dmitriev et al. define it, we have an area where the electromagnetic movement and gravitational movement both flow together, and this is very different than what we see on the planets; we can indeed have a "north gravitational pole" and a "south gravitational pole." In everyday scientific observations, gravity is much weaker than electromagnetism by an order of 40 magnitudes, but inside a VD all the rules have changed and **the power to absorb and / or repel this energy changes dramatically**. So for our purposes, we will refer to these polarized formations as "polarized CUs," since other CUs, such as those surrounding the planets, do not possess this unique property.

So, when we add in the fact that 'gravitational energy' is a balance between two forces, then we *may very well* be able to absorb the energy of gravity more than levity, or vice versa. As we shall see in the next few paragraphs, **the direction that the outside of the polarized CU is rolling will determine which force it absorbs more of**. If this seems hard to visualize, just look back to the idea of water going down the drain in your sink. If the flow in the polarized CU is moving from the north pole down to the south pole, then the "drain" will naturally absorb more of the downward-flowing gravity force, transforming it into electromagnetic energy and visible light. At the south pole there is another "drain" that will simultaneously *push away* from the upward-flowing levity force. And with this setup, you can build an anti-gravity machine!

But wait, you say. How do we get this "gravity drain" to move through a solid machine? *Wouldn't we need to build a hole in the middle* so that our spherical energy field could freely flow through the device? Would everyone's hovercraft have to look like a donut? How could the spherical energy circulate through it otherwise?

For the answer, we go back to Dr. Dmitriev et al.'s list of the nine properties of vacuum domains. If we remember, the very first property of a "vacuum domain" is that it fully penetrates through the matter it surrounds. This is exactly what is occurring in the Searl Levity Disc. You do not need to build a hole in the middle of your machine, because *the middle of the spherical torus will automatically pass right through the machine!* These forces are not hindered in their movement by the presence of matter, but blow right through it just as gravity moves through the Earth.

So then, as the center of the torus passes through the matter that makes up the center of the machine, the entire torus rolls over itself inside-out like a smoke ring, in a constant flowing motion. It can only roll in one of two ways: either rolling "downwards" through its center from the north pole to the south pole, like water pouring down a drain, or "upwards" through its center from south to north, like water spraying up through a fountain. The *direction* of the rolling movement will depend on how the polarized CU was initially formed, so *different machines could be built for the two different directions*. So, to summarize this point, we can say that:

The total balance between gravity and levity forces acting on a polarized CU will increase or decrease depending on which direction its energy is “rolling,” either “up” or “down.”

We will explain how this is possible so that it is absolutely clear for those who are interested. First of all, let's not forget that *the outer surface of the torus expands and contracts in size*. If you draw two dots on an inflated balloon and measure the space between them, then deflate the balloon and measure the space between the dots again, it will obviously be smaller the second time. Similarly, on the *outside* of the sphere the energy is fully stretched out and relaxed, whereas once it moves through the *middle* of the sphere it becomes *compressed*, and thereby more energetic. This means that *the greatest force and fastest movement is in the tubelike center of the torus*. This is no different than the Earth's elliptical orbit around the Sun. When the Earth is at its furthest point, known as “aphelion,” it moves more slowly, but as it approaches “perihelion,” when it is closest to the Sun, it moves much more quickly. This speeding-up effect is often used to increase the velocity of satellites by moving them close to a planet or moon, and scientists refer to it as the “slingshot effect.” A very dramatic portrayal of this process can be seen in Arthur C. Clarke's movie “2010,” with American and Russian scientists onboard a Russian ship called the Leonov.

On Earth, the best physical example that we have for this increased movement in the center of a polarized CU is in the case of a tornado. The central “funnel cloud” flows like a raging whirlpool, because the energetic surface of the CU is being compressed as it moves through the “tube.” The outside sphere, which is usually not even visible, flows much more slowly, because its surface is fully expanded. This is no different than the slow-moving waters that always surround a whirlpool in the center, which you can see every time you drain water out of the bathtub or sink. [This can also be seen in the activity of the Sun's magnetic field, known to us as the heliosphere. NASA's Ulysses space probe determined that energy moves much more quickly above and below the Sun's poles than it does in the surrounding areas.]

In a tornado, the funnel cloud is usually seen to “touch down” from the sky. This means that the rotational movement is traveling *downwards* in the center, and obviously upwards around the outside of the spherical energy field that forms around it, which is typically not visible. So, as the direction of energy flow in the torus moves *downward* to the center, ***the downward-moving gravitational force will be captured and drawn into the glowing, energetic core of the tornado*** and transformed into energy and light, as Dr. Dmitriev et al.'s equations and Keely's studies project.

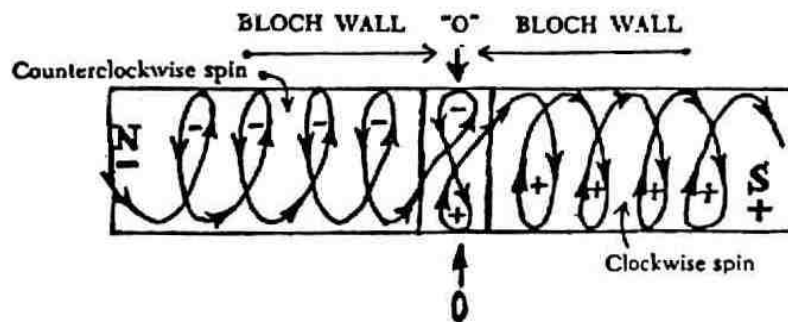
Then at this point, the upward-pressing “levity” force from the Earth can supercede the force of gravity, and objects on the Earth will be *pushed away* from the Earth's surface into the tornado. No vacuum is required within the tornado itself, as was observed in the 1951 case from Texas, as this is an *energetic* process. The tornado's power for levitation has absolutely nothing to do with air pressure or suction, and just to make the point abundantly clear we will cover Dr. Dmitriev's surprising research on tornadoes more fully in our next chapter.

So, if we reverse this process so that the field of the spherical torus is flowing *upwards* through the center, then it will suck more of the “*levity*” force into itself and thus cause the downward-moving gravity to become even more effective on the object, causing it to appear to weigh more. Understanding what *direction* the spherical torus needs to flow in order to produce anti-gravity will be important for those who will use these concepts to build working models.

8.5 ZERO-SPIN ENERGY TRANSFER

Another important observation from Dr. Richard LeFors Clark is that in the center of any magnetic field, there is a point of “zero-spin energy transfer.” In order for the entire outside of the field to rotate, it has to change direction in the center. So, this would mean that if you have a clockwise vortex rotation at the North Pole, you will have a counterclockwise rotation at the South Pole. In the middle there is no rotation at all. This area of zero-spin energy transfer is also referred to as a “Bloch Wall,” and Dr. LeFors Clark associates it

with anti-gravity effects. This can be seen in the next diagram, co-opted from Dr. LeFors Clark, which shows how the rotational change occurs inside a bar magnet. We should also remember here that this diagram does not show us the normal spherical torus field that surrounds the bar magnet, only a tracing of the rotational movement inside.



Dr. Richard LeFors Clark's diagram of the rotational change in a magnetic field.

With our understanding of this principle, we are better equipped to see the importance of the exact center of any given consciousness unit, polarized or otherwise. This is an area where there is no rotational movement and tremendous energy. Keely also discovered this phenomenon and named it the "neutral center."

8.6 NEUTRAL CENTER: THE SEAT OF THE ONENESS

The second most important principle in Keely's model is that of the "neutral center." This neutral center will always be at the *exact center* of any CU or harmonic sphere of aether / Light. Think again to the 1951 observation of a glowing mass in the center of the tornado column to understand why the center of the CU is so important. Keely wrote very eloquently about how the true core of this "neutral center" is unthinkably small, but yet still serves as the unified, ultimate center of all the aetheric forces at work. *All in-streaming aether*, such as in the case of Earth's gravity, would *compress into the neutral center*, where the pressures would have to be simply unimaginable. However, in that same spot *the overall gravity force would be very low*, since there would be no place else for the two opposing forces to "move" to when they are already at the point of perfect balance. So, at that point, even though the pressure is very high, the gravitational and energetic forces are perfectly *neutral*, hence the name "neutral center."

In Keely's model, this Center would represent the true Oneness of God, the unity of all vibrations. Every CU throughout the entire Universe, (including the hierarchy of human spiritual bodies,) is connected to every other by this Center, in which there is no space and no time, just Oneness. And on the metaphysical or *spiritual* level, we are asked to visualize that ***all matter, all aether, all Love, all Light, all Life, all the Universe ultimately emanates from this one single point of energy, which can be called God or The One.*** Furthermore, space is the *illusion* that is formed as aetheric energy flows into and out of this center, when in reality the center is everywhere and nowhere at the same time!

Confusing, right? Some of these concepts can require a great deal of mental flexibility. Even though this is obviously not the easiest thing to visualize, we *can* make it easier to see. Imagine that all of the visible Universe is arranged on the outside skin of a balloon, and then you suck all the air out of the balloon. Once the air is gone, let's say that the entire outside surface of the balloon shrinks up into a single, tiny point. So, if everything on the balloon's surface still "exists" somehow, then what do you have left at that point?

The entire Universe then exists in that One Point in the center,

only in that moment it was entirely "infolded!" When you blow up the balloon again,

The entire universe then unfolds from that One Point in the center to form the “illusion” of space and time.

This might seem preposterous on one level, but sources such as the Seth Material insist that this is exactly how our multidimensional universe actually functions. However, for our purposes the energy is constantly pulsating into and out of the center so quickly that we could never normally detect the times when the energy of the Universe is totally focused in the center; it appears to be simultaneous, where all vibrations exist at once. Some people *have* had the experience of moving into this Center, which the Ra group refers to as “intelligent infinity.” It is always seen as a blinding white light and a feeling of vast, unspeakable joy. Everyone who sees it immediately recognizes it as their true, ultimate Home, and in certain cases they have a hard time leaving it behind to return to their “normal” existence here on Earth.

Now again, any time that a spherical energy field is breathing in and out from the center point in our universe, we have a “consciousness unit.” As we go on we’ll be explaining that ***nothing else BUT “consciousness units” exist, in various forms, subatomic through cosmic.*** Furthermore,

The energy of all CUs in the universe is constantly compressing into and back out of this single “point” of Oneness at a speed that is much faster than our physical bodies are capable of perceiving.

At that Center point, there is no time, no space, no movement. So, as the energy flows *into* the center in a spherical “consciousness unit” such as in the case of a tornado or ball lightning, so too does it radiate back *out* of the center. This is just like a continuous “breathing” motion. If we could slow the energy movement down to a sufficient degree in a polarized CU that is flowing from north to south, then we would see pulses of energy emerge from the center, flow down the tube, out the south pole, curve over the bottom and then the outside of the sphere, then over the top and down again into the north pole of the tube to be reabsorbed into the Center. (And as we shall see in future chapters, the surface of the Sun shows incontrovertible evidence of a heaving movement, where its surface is noticeably increasing and decreasing in size over a 160-minute period of time.)

8.7 SUMMARY OF “TRACTOR”, “PRESSOR” AND “DOMINANT” FORCES

So, to summarize these points and tie them back in to Keely’s three major forces, we can say that:

Energy force, such as gravity, streams into an object as the “tractor” force and upholds its molecular structure as it moves through.

Once the energy force moves into the neutral Center it merges back into the Oneness and is transformed.

Then, that transformed energy moves away from the Center in the opposite direction, thus producing the “pressor” or out-pushing force. This is also required to nourish and support the molecular structures with energy.

As the two movements naturally balance in the “dominant” or stabilizing force, this completes the cycle of matter creation or the “breath of life.”

At this point, let’s not forget that Keely also used a spherical torus as the fundamental model for aetheric activity, just as we demonstrated in the last chapter. So, once again we have a case where the lost secrets of the Universe were discovered and harnessed, *only to be lost yet again* so that others must rediscover them later on. And indeed, after his death in 1898, a supporter of Keely’s work said that it would take 100 years before someone would come along and be able to understand what he had done.

8.8 USING SOUND TO ALTER THE PROPERTIES OF MASS

So, Keely could clearly see that *vibration* was the underlying key to all physical matter. He realized that even though this vibration occurred in a form of energy that we couldn't physically see, it could still be measured. And Keely discovered something else that is so absurdly simple that most readers will probably be quite surprised that they hadn't thought of it by this point. *Without using the complex magnetic rings and rollers of Dr. Searl*, Keely was able to create an energetic CU around an object with ***sound frequencies!*** Here we will explain how it works:

1. A physical object is made from the flow of aether.
2. By vibrating the object at a very pure sound frequency, you automatically will vibrate the aether that creates it as well.
3. Once you set up a vibration in the aether, you can focus and direct it just as Dr. DePalma and Dr. Searl did with magnetism and rotation. The principle is the same: you are causing the aether to flow in a specific direction that is different from its natural "balanced" state.
4. By concentrating sound pulses directly into the center of the object, "ripples" or "waves" of vibration are created through the object itself as well as in the aether that forms it.
5. When these vibrations reach the center, they will collide into each other and then be forced to spray away from the center, forming Keely's "pressor" waves.
6. Once this "directional" flow of aether begins, a gateway is formed where the high pressure of the aether vibrations will bleed through into physical form as we have described above.
7. This "bleed through" will then create a "vacuum domain" or what we are now calling a "consciousness unit," forming all nine of the properties in Dr. Dmitriev's list including anti-gravity and electromagnetic fields.
8. Thus, you get "energy" from "sound" by forming a bridge that allows the massive energy of the aether to flow into our physical reality. (And we remember that the volume of this energy in a single light bulb is *strong enough to boil all the world's oceans.*)

Keely knew that gravity was simply the large-scale push-pull motion of aether, and matter is also made of aether that naturally vibrates at a certain frequency. If he could use a *very pure resonance* to cause an object to vibrate in perfect harmony, then it was possible to cause a current of aetheric energy to flow around the object, which would allow it to either increase or decrease the effects of gravity on it, as we have described.

But wait, you say! Gravity isn't just a force that needs to be overcome, it is also our *source* for the energy of the Universe that *all physical matter must draw off of to sustain itself!* So if you cut off the effect of gravity, *wouldn't you also cut off the lifeblood of any matter inside*, thus causing it to either dissolve or explode? In some cases this might happen, but if you design your anti-gravity system well, it will not. Here's the explanation:

Inside the spherical field of the CU, the matter does not collapse, even though it is "cut off" from the normal flow of gravitational energy from the Earth that surrounds it on the outside.

Remember that by Dr. Dmitriev et al.'s definition, a polarized CU forms its OWN gravitational field and "breathes" into and out of the center point in its own right, in exactly the same way that the Earth does with its gravitational field.

Therefore, the matter inside the sphere of the CU is now being supported and replenished by the sphere itself, not the energy outside of it.

Inside the spherical energy field, therefore, you are only affected by the natural gravitation and inertia of the CU itself. This means that you could effortlessly move through space at high speeds and make sharp turns without hurting yourself.

Furthermore, just as we explained above, Keely could use the same principles of the polarized "consciousness unit" to make an object's weight much heavier by causing it to flow "upwards" and absorb more of the levity force. And to get right to the point, *Keely's most impressive accomplishment in these areas was the production of a flying craft using these principles.* This is covered in an article on KeelyNet by Dan Davidson. The article, in turn, is excerpted from his book *A Breakthrough to New Free Energy Sources*:

John W. Keely, discoverer of Sympathetic Vibratory Physics, found a means of negating the effect of gravity as well as developing a form of propulsion.

From 1888 to 1893, Keely worked on developing his system of "Aerial Navigation." The first successful test was in 1893 which led the way to the construction of an aerial craft.

In 1896, Mr. Keely had so perfected his system that he arranged to give a demonstration of the aerial craft to the United States War Department. In attendance at the demonstration were a number of invited members of the press.

Descriptions of the craft state that it was a *circular platform* roughly 6 feet in diameter. On this platform was mounted a small stool set before a keyboard. The keyboard was attached to numerous tuned resonance plates and vibratory mechanisms.

[Note: We can assume that Keely had some mechanical process, possibly electrical, for keeping the vibratory mechanisms and tuned plates going. This appears to be what created the "polarized field" indicated in the next paragraph below.]

Mr. Keely explained that these plates would cause the craft to rise and float above the ground when subjected to a polarized field which would generate a "negative attraction." When the effect was produced, the craft would come under the influence of [what Keely referred to as] the "etheric polar current."

The controlling mechanism consisted of a row of 100 vibratory bars representing the enharmonic and diatonic scales. When half of the bars were damped the craft would move at 500 miles per hour. If all the bars were damped, gravity would resume control and the craft would settle to the earth. [Note: Obviously these bars are not the main generators of the sound vibrations; they only change the way the vibrations are flowing through the device by their resonance. Dampening certain bars allowed Keely to make slight changes in the direction of the flow in the CU that was surrounding the craft, thus changing how the craft traveled through Earth's gravity.]

There were no moving parts in the ship's propelling mechanism. [Note: However, it is still producing a "polarized field" somehow to create the main vibrations that allow it to levitate.] It was unaffected by weather and could rise above any storm. The instrument for guiding the airship was distinctly different from the propelling feature. By damping out certain specific notes, Keely could cause the airship to accelerate to any desired speed. The experiment was carried out in an open field with observers from the War Department and news media. The ship was said to have accelerated from 0 to 500 miles per hour within a few seconds.

Most astounding was the *apparent total lack of acceleration effects* to Mr. Keely as he sat on the stool before the keyboard, controlling the airship. Although the government officials were impressed, they stated [that] they could see no use for such a complex device and so did not pursue the matter further. (Remember [that] the Wright Brothers did not demonstrate their airplane at Kittyhawk, NC until December 17, 1903; seven years later!)

When we see that Keely was unaffected by the "g-forces" of inertia as the craft flew, we should immediately be aware of how this would occur. The area around the craft itself was not being affected by the aether as an ordinary object would be. And thus, as the craft sped through the air, it produced its own energy field that counteracted the natural pressure of the aether around it. Keely felt no acceleration because he was trapped within the spherical bubble of energy that prevented the aether pressure from changing inside. Similarly, many UFO sightings have reported split-second 90-degree turns at speeds so fast that conventional g-forces

would completely destroy the body of any pilot inside.

In the rest of this chapter, we will detail other examples of sound-induced levitation that will help make the whole idea "feel" more possible to us, instead of allowing it to simply appear to be "too good to be true." And for those who are interested, there is quite a bit more to learn about Keely's work on the [KeelyNet website](http://www.keelynet.com), and the book *Physics of Love* by Dale Pond is a comprehensive introduction to Keely's work and the harmonic physics of sound, light and geometry that go along with it.

8.9 TIBETAN ACOUSTIC LEVITATION

A similar usage of sound to produce levitation is the now-infamous story of Tibetan Acoustic Levitation. Various tidbits of the story emerge repeatedly in the discussion rooms and articles on free energy and UFO websites, however the best treatment of this story that we have found is in an article by Bruce Cathie in the book *Anti-Gravity and the World Grid*. The beginning of the report is transcribed from a German magazine article that was translated into English; and we begin at the point where the translated article starts.

We know from the priests of the far east that they were able to lift heavy boulders up high mountains with the help of groups of various sounds... the knowledge of the various vibrations in the audio range demonstrates to a scientist of physics that a *vibrating and condensed sound field can nullify the power of gravitation*. Swedish engineer Olaf Alexanderson wrote about this phenomenon in the publication, Implosion No. 13.

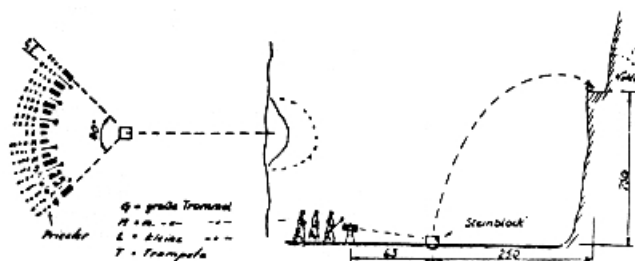
The following report is based on observations which were made only 20 years ago in Tibet. I have this report from civil engineer and flight manager Henry Kjelson, a friend of mine. He later on included this report in his book, *The Lost Techniques*. This is his report:

A Swedish doctor, Dr. Jarl, a friend of Kjelson's, studied at Oxford. During those times he became friends with a young Tibetan student. A couple of years later in 1939, Dr. Jarl made a journey to Egypt for the English Scientific Society. There he was seen by a messenger of his Tibetan friend, and urgently requested to come to Tibet to treat a high Lama.

After Dr. Jarl got the leave he followed the messenger and arrived after a long journey by plane and Yak caravans at the monastery, where the old Lama and his friend who was now holding a high position were now living.

Dr. Jarl stayed there for some time, and because of his friendship with the Tibetans he learned a lot of things that other foreigners had no chance to hear about or observe.

One day his friend took him to a place in the neighborhood of the monastery and showed him a sloping meadow which was surrounded in the northwest by high cliffs. In one of the rock walls, at a height of about 250 meters, was a big hole which looked like the entrance to a cave. In front of this hole there was a platform on which the monks were building a rock wall. The only access to this platform was from the top of the cliff and the monks lowered themselves down with the help of ropes.



In the middle of the meadow, about 250 meters from the cliff, was a polished slab of rock with a *bowl-like cavity* in the center. [Note: This is part of how the sound resonance was focused on the object.] The bowl had a diameter of one meter and a depth of 15 centimeters. A block of stone was maneuvered into this cavity by Yak oxen. The block was one meter wide and one and one-half meters long. Then 19 musical instruments were set in an arc of 90 degrees at a distance of 63 meters from the stone slab. The radius of 63 meters was measured out accurately. The musical instruments consisted of 13 drums and six trumpets. (Ragdons).

[Note: At this point the exact measurements of all the instruments are given in detail, which we have omitted here for brevity, as these measurements are discussed further in the chapter.]

All the drums were open at one end, while the other end had a bottom of metal, on which the monks beat with big leather clubs. Behind each instrument was a row of monks. The situation is demonstrated in the following diagram (see above.)

When the stone was in position the monk behind the small drum gave a signal to start the concert. The small drum had a very sharp sound, and could be heard even with the other instruments making a terrible din. All the monks were singing and chanting a prayer, slowly increasing the tempo of this unbelievable noise. During the first four minutes nothing happened, then as the speed of the drumming and the noise increased, the big stone block started to rock and sway, and suddenly it took off into the air with an increasing speed in the direction of the platform in front of the cave hole 250 meters high. After three minutes of ascent it landed on the platform. [Note: Pay attention to the fact that it took *three minutes* to rise 250 meters. We are not talking about a "cannonball" effect. Slowly, the levity force overtook the gravity force and the stone lazily rose into the air.]

Continuously they brought new blocks to the meadow, and the monks using this method transported 5 to 6 blocks per hour on a parabolic flight track approximately 500 meters long and 250 meters high. From time to time a stone split, and the monks moved the split stones away. Quite an unbelievable task.

Dr. Jarl knew about the hurling of the stones. Tibetan experts like Linaver, Spalding and Huc had spoken about it, but they had never seen it. So Dr. Jarl was the first foreigner who had the opportunity to see this remarkable spectacle. Because he had the opinion in the beginning that he was the victim of mass-psychosis, *he made two films of the incident. The films showed exactly the same things that he had witnessed.*

The English Society for which Dr. Jarl was working confiscated the two films and declared them classified. They will not be released until 1990. This action is rather hard to explain, or understand. : End of trans.'

[Note: And now we have the beginning of Cathie's comments:]

The fact that the films were immediately classified is not very hard to understand once the given measurements are transposed into their geometric equivalents. It then becomes evident that the monks in Tibet are fully conversant with the laws governing the structure of matter, which the scientists in the modern day western world are now frantically exploring. It appears, from the calculations, that the prayers being chanted by the monks did not have any direct bearing on the fact that the stones were levitated from the ground. The reaction was not initiated by the religious fervor of the group, but by the superior scientific knowledge held by the high priests. The secret is in the geometric placement of the musical instruments in relation to the stones to be levitated, and the harmonic tuning of the drums and trumpets. The combined loud chanting of the priests, using their voices at a certain pitch and rhythm most probably adds to the combined effect, but the subject matter of the chant, I believe, would be of no consequence.

Cathie's work then goes into an explanation of how these measurements work very well with his own discoveries of the energy harmonics of Planet Earth, and Cathie's work has already been covered in our book *The Shift of the Ages*. Cathie's findings point us directly towards the idea that ***the aether vibrates in harmonic resonance, and the vibrations can be measured very precisely and put into numbers.*** For now, what we should see is that this act of levitation is not a product of fantasy - the entire setup was carefully observed, measured and yes, even filmed. It took the stones three whole minutes to rise, so this was not simply a sudden catapulting effect; rather, it was more like a slow, deliberate movement.

8.9.1 SCIENTIFIC ANALYSIS OF TIBETAN ACOUSTIC LEVITATION

For those who are interested, an article by Dan Davidson helps us to put this amazing event into scientific terms. The article is located at www.keelynet.com/davidson/npap1.htm. If the technical numbers and terms bother you, then simply skip past this excerpt and keep on reading, as it will not detract from your overall understanding of the concepts.

Monks with 19 musical instruments, consisting of 13 drums and five trumpets, were arranged in an arc of 90 degrees in front of the stone block. The instruments had the following measurements:

- 8 drums were 1 meter diameter x 1.5 meters deep x 3mm sheet iron and weighed 150 kg.
- 4 drums were 0.7 meter diameter x 1 meter deep
- 1 drum was 0.2 meter diameter x 0.3 meter deep
- All trumpets were 3.12 meters x 0.3 meters...

Calculations reveal that the volume of the large drums are similar to the stone block volume. The medium drums are one third the volume of the large drum and the small drum is a 41st of the medium drum and 125th of the large drum. The exact volume of the large stone is not available; however, the harmonic relations of the drums implies it is about 1.5 cubic meters.

Another interesting aspect of this levitation demonstration is the small amount of power necessary to perform the levitation. The loudest tolerable sound pressure that a person can stand is approximately 280 dynes/cm². From physics analysis this translates to about 0.000094 watts/cm².

If we assume that each monk with his instrument produced one half this much sound energy (which is highly unlikely) and we make the further gross assumption that this is the amount of power that reaches the stone (actually sound dissipates rapidly over distance), we would have about 0.04 watts (i.e., (19 instruments + 19 x 4 monks) x 0.000094) hitting the huge stone block. This is an astoundingly small amount of energy actually hitting the 1.5 cubic meter stone to produce the effect.

To lift the stone 250 meters takes a prodigious amount of energy. Rocks such as granite and limestone have weights in the neighborhood of 150 - 175 pounds per cubic foot.

If we assume a nominal value of 160 pounds per cubic foot then the 1.5 cubic meter stones weighed around 8475 pounds (i.e., over 4 tons!!!). To lift the 8475 pounds 250 meters would require about 7 million ft-pounds of work (i.e., 8475 pounds X 250 meters / 0.30408 meters/foot = 6,968,035).

Since this was done over a 3 minute period then about 70 horsepower was produced (i.e., 7 x 10⁶ foot-pounds / 180 seconds / 550 horsepower/foot-pound/second = 70.384). This is equivalent to 52 kilowatts (i.e., 70.384 X 0.74570 kilowatts/horsepower = 52.5). The over unity power factor we obtain is **5,250,000 over unity** (i.e., 52,500 watts/0.01 watts).

The monks were obviously tapping into a huge amount of free energy to levitate the huge stone blocks, or gravity requires little power to affect its operation once the principles are understood.

What Davidson missed in this analysis is that the “levity” force is already nearly as strong as the “gravity” force, so it isn’t as hard to shift them as one might otherwise think.

Clearly, the entire arrangement was tailor-made to create waves of sound resonance that would reverberate within the stone to be moved, and absorb or reflect the downward-pressing force to create levitation. If we look back at the shape of the monks with their trumpets, we can see that they formed exactly one quarter of a circle, with all their sound pressure directed at the “bowl” depression in the ground that the stone sat in. Once the stone had reached a relatively pure level of sound resonance inside of itself, which took several minutes, a gateway for the aetheric energy to flow into our reality would be opened up, and a polarized spherical “consciousness unit” field would form around the object. Then, like water drifting into a whirlpool, the gravity would simply absorb into stone without pushing it down to the Earth, while the weaker levity or “pressor” force coming up from the Earth would win out, causing the stone to gradually rise. If you’ve ever seen a bubble of air slowly, slowly rise through a thick liquid, then you can see how these differences in pressure could create a slow levitating effect.

Furthermore, we remember that Cathie didn’t think that the chanting or concentration of the monks had anything to do with the final effect. However, the work that was displayed by gifted psychics such as Nina Kulagina helps us to see that the energy of *consciousness*, focused by the chanting and meditation, could certainly have been involved in the levitation. It is possible that without the extra “kick” of meditation to add more conscious energy to the mix and organize what was already forming there, this experiment could not be

replicated. This dramatic display starts to make even more sense to us when we consider that the Tibetans might be the inheritors of a lost ancient aetheric science from an advanced technological society; and these topics were examined in *The Shift of the Ages*.

8.10 KEELY'S LEVITATION OF A 4-TON IRON SPHERE

Keely also appeared to have developed tools to interface acoustic or electromagnetic resonance *with his own consciousness* to produce the desired aetheric effects on physical matter, possibly changing the direction of "flow" in the CU *by conscious thought energy alone*. The excerpt, also from Davidson's article on the KeelyNet website that we just quoted, gives a concrete example of this that was seen by a witness.

Levitation of 4-Ton Iron Sphere:

After Keely's untimely death in 1898, several investigators from the Scientific American magazine staff went to Keely's laboratory looking for evidence to support the idea that Keely was a fraud.

They thought they found what they were looking for when they lifted the floorboards of a section of the laboratory and found a large cast iron sphere from which protruded pieces of iron pipe but the pipes were not connected to anything. The sphere was estimated to weigh 6,625 pounds and have a bursting strength of 28,000 pounds.

This event revived the charge that Keely had used compressed air to perform his miraculous feats; which, if true, would have earned Keely a fortune from compressed air inventions.

Research by a friend of mine uncovered a newspaper article [that was] written while Keely was still living, which tells the story of how the iron sphere got under the floorboards. It seems that the newsman who wrote the article had gone to see Keely for possible newsworthy information. He found the inventor in his laboratory tearing a large hole in the floor. Keely greeted the reporter but did not seem to be in a talkative mood as he appeared quite busy.

After enlarging the hole, Keely attached a strange belt with several mechanisms built into it to his waist. He then attached a thin wire leading from the belt to a large sphere resting in the corner of the laboratory.

After a few minutes of intense concentration by Keely the ponderous globe slowly lifted a few inches from the floor. Keely then floated the iron sphere over the hole in the floorboards and allowed the huge mass to settle to the ground below the floor level. *After a few adjustments to the belt mechanism* Keely again seemed lost in rapt concentration. This time the globe slowly but inexorably settled itself into the earth, buried by the opposite of levitation; namely, supergravity.

Keely had evidently caused the apparent mass of the sphere to increase to such an extent that it sank into the firm earth much as a heavy rock sinks into mud. The inventor told the reporter that he was making room in his lab by clearing away outmoded equipment.

It is theorized that the belt mechanism Keely wore during the levitation feat tuned the atomic structure of the iron sphere so all the atoms were synchronized and aetheric force directed through the sphere caused it to levitate or gravitate.

Once again, we can clearly see that consciousness did indeed appear to factor in directly to the levitation and / or gravitation, as it may have in the Tibetan case. Although the majority of the effect was most likely produced by some form of resonating electromagnetic energy, it certainly looks as if Keely's mental concentration was important in directing the movement of this energy. He may or may not have actually moved the object with his hands to get it into position; the article only says that he "floated" it into position. The most interesting aspect of this case is that once again, it was witnessed by someone else and was therefore not simply hearsay.

8.11 SONOLUMINESCENCE

Keely's work also involved the idea that *when water was vibrated at certain frequencies, visible light would*

emerge within it. He tied this in with the properties of sound to harness the aetheric energies. This phenomenon has now been duplicated through an experiment that is known as "Sonoluminescence." In this experiment, a spherical flask that is filled with water is vibrated at a certain frequency, low in pitch but very high in strength. In the below image we see a simple laboratory setup for this process, with the spherical flask in a clamp and high-intensity speakers mounted to either side of the sphere, with red power wires attached.



Photo from William Andrew Steer's laboratory research.

When the speakers are running, this arrangement causes a sonic force to be *directed towards the exact center* of the sphere that the flask makes. Then, the scientist must introduce an air bubble into the water and carefully try to manipulate it into the center that the sound forces are pressing towards. Once an air bubble is properly fixed into the center, the vibrations will allow it to stay there, and an amazing thing happens; ***it starts emitting light.***

At first, the scientists studying this believed that the light was constant, but now it has been shown through delicate measurements to be *pulsating at a very rapid speed.* The next image below shows a much more high-tech setup, where the spherical flask is housed within a special apparatus that obscures most of the flask from view.

No conventional explanation for why this might be happening exists, and many scientists have tried to explain it in conventional models. The most popular idea is that the extreme forces of sound create nuclear fusion, thus leading to the humorous term "the Star in a Jar." However, this flies completely in the face of the experiment itself, since ***the more that the water is cooled, the more light you get!*** By cooling the water, the amount of molecular vibration in it decreases, thus making it even easier for the sound vibrations to resonate purely.

Other conventional explanations for sonoluminescence sound equally absurd. However, we do know for a fact that *the bubble inside shrinks significantly in size every time that a pulse of light is released,* and this is occurring at extremely fast rates of speed. It is believed that this collapse creates such intense pressure that great energy is released, but the source of this energy remains a mystery to the mainstream.

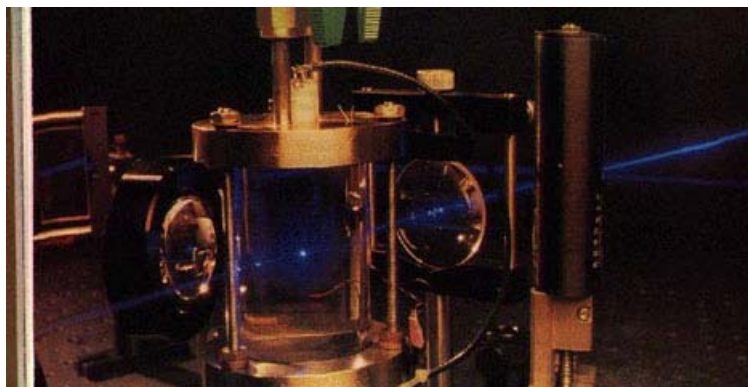


Photo from an article by Aaron Levinson.

Although John Keely mentioned this phenomenon in his own work, general credit is given to H. Frenzel and H. Schultes at the University of Cologne in 1934 as being the first to discover this. They were using very strong ultrasonic fields in water as part of their wartime research in marine acoustic radar. Although they were not looking for or expecting such results, they discovered to their surprise that clouds of unpredictable and non-synchronous flashing bubbles of light were formed in the water in front of them. This is now known as "multi-bubble sonoluminescence" or MBSL. Little was done to advance this study until 1988, when D. Felipe Gaitan was able to trap a single bubble at the center of a flask that was vibrating at its own acoustic resonance level, and sonoluminescence was then seen.

Once Gaitan accomplished this effect, he became rather disinterested in pursuing it further, and Dr. S. Putterman et al. subsequently picked it up at UCLA, California. It was Putterman et al.'s research that determined that the internal bubble compresses to *1 / 100,000th* of its original size due to the pressure of the sound, during which time the light is released. The flash of light is shorter than 100 picoseconds (or trillionths of a second) in duration, vibrating with extreme regularity every 100 millionths of a second. Putterman's studies eventually made it into *Scientific American* in February 1995, which dramatically increased public awareness and interest in the phenomenon.

An article excerpt from the *Wall Street Journal* on October 15, 1991 helps us to truly understand how significant this is:

...A photon of blue light given off by a single atom carries an energy of 3.5 electron volts. *This is a trillion times more energy than any single atom in the tiny bubbles could have gained from the sound waves.* He [Putterman] speculates that as each bubble implodes to about 1/100,000 of its original [size] volume, the energy and atoms in the bubble are concentrated to a tiny point.

The flash occurs when a million atoms simultaneously release this concentrated energy by giving off photons of blue light.

So, we can see that if we are producing *a trillion times more* energy than exists in the sound waves themselves in this experiment, then quite an incredible amount of energy is coming through from "nowhere." This is typically seen as a fusion reaction. However, as we have already said, by concentrating sound waves in such a fashion as this we can open up a "gateway" for the high-pressured aetheric "fluid" to flow into our physical reality, forming light, heat and energy.

Furthermore, the shape of the *sphere* is very important in all of this, as it helps to centralize the vibrations. The Tibetan monks were in a 90-degree circular formation, exactly one-fourth the size of a complete circle. The sound waves would resonate outward into a partially spherical field that absorbed downward-moving gravity force, and since all the sound pressure was coming from one side, it might have made it easier for the levity force to push up the stone in the opposite direction.

The same logic applies to sonoluminescence. An [article](#) by William Andrew Steer, working in the undergraduate teaching laboratory in the Physics Department of University College London, reveals that:

...the sphericity of the flask is very important. If there is more than a *millimeter* difference between polar and equatorial diameters, then the resonance becomes very much broader and less strong, requiring more electrical drive to achieve the same sound intensity in the flask.

8.12 SUMMARY / RECAP

Remember that we started out the last chapter by discussing "glowing magnetism" and the "ball-of-light" theory. Once again, we come back to the sphere, and its harmonic structure. So, by now we should be able to see that there is a remarkable similarity between the spherical device that Schappeller used to focus electromagnetic energy into "glowing magnetism" and the spherical flask that focuses sound waves to produce "sonoluminescence," which appears to be exactly the same thing. Both are showing us that "vacuum

domains” or “consciousness units” can be directly visible through experiment, and that electromagnetic or light energy is not needed to create this effect. Almost all free-energy researchers agree that it is the background energy of the aether that is being harnessed in these reactions.

So, we have a lot to consider in this chapter. Normally outside of physical view, our reality is composed of an "aether" of pure Light that naturally assumes a spherical form. When the form is in motion, it becomes visible to us as a "photon," but when it remains in place as a "standing wave" it can form matter particles, ball lightning and possibly much larger bodies of energy as well. Both Schappeller and Nordberg believe that all of matter that makes up our physical universe began as glowing magnetism, and most of the matter that we can see in the universe, namely the stars, galaxies, nebula, quasars and the like, still exist in this state at their cores. Perhaps the physical matter that we see around us on Earth is more of a "cooled down" form of what originally started as glowing magnetism, which is still visible for us to see any time we go out and look at the stars, galaxies and heavenly bodies in the night sky.

- 8.1 For our purposes in this chapter and thereafter, we will replace the unwieldy-sounding term “vacuum domains” with the simpler and more all-inclusive term “*consciousness units*” or CUs. This term is used to respect the fact that the energy of the universe displays regularized qualities of intelligence based on its level of vibration.
- 8.2 Before all other free-energy researchers we discussed, there was John Ernst Worrell Keely, who performed amazing experiments that showed the connection between aetheric vibrations and sound. He also was not afraid to directly connect his energetic theories with the idea of an Ultimate Being and of the philosophy of love and light as the unifying force in the universe.
- 8.3 Keely indicated that there were three main aetheric forces to deal with: push, pull and stabilize, or as he called them, “tractor,” “pressor” and “dominant.”
- 8.3.1 What we interpret as “gravity” is the leftover force once the “up” and “down” energy movements have canceled each other out. Keely calls this point of balance the “dominant.”
- 8.3.2 There is indeed observational evidence to suggest that Keely’s model of gravity is correct. If there wasn’t a constant push-pull of gravity and levity moving between the Earth and the Moon and balancing their positions, they would have crashed into each other long ago. The same is true for the Solar System, where the Sun contains 99.86% of the total mass and yet does not attract the planets into itself. Within the Earth, we now know that normal gravitational force, downwardly directed, is replaced by a reversed upwardly directed force at depths greater than 2,700 kilometers (1,678 miles.)
- 8.4 If you can somehow absorb some of the downward-contracting gravitational force without absorbing the up-pressing “levity” force, then the Earth’s levity will naturally push you away from its surface, thus creating anti-gravity. Within what we have called a polarized CU, the direction that the outside of the torus is rolling will determine which force it absorbs more of.
- 8.5 The two spiraling vortices in the polarized CU will show counter-rotational movement, as this is a requirement for the outside to move in a uniform fashion. The exact center of the CU, therefore, is an area of “zero-spin energy transfer,” where there is no rotation as the clockwise spiral transforms into the counter-clockwise spiral. A diagram from Dr. Richard LeFors Clark shows us how this appears in a bar magnet, and the central area is called a “Bloch Wall.”
- 8.6 John Keely named this area the “Neutral Center,” and tied it in with a metaphysical concept. He believed that all matter, all aether, all Love, all Light, all Life, all the Universe ultimately emanates from this one single point of energy, which can be called God or The One. He also was able to manipulate the position of this center in an object and create anti-gravity and other effects as a result.
- 8.7 Here we summarize the effects of the tractor, pressor and dominant forces, including the idea

that as the tractor and pressor forces naturally balance in the “dominant” or stabilizing force, this completes the cycle of matter creation or the “breath of life.”

- 8.8 By concentrating sound pulses directly into the center of an object, “ripples” or “waves” of vibration are created through the object itself, as well as in the aether that forms it. This can form the spherical torus of energy that we have covered in detail so far, leading to the anti-gravity effect without any direct use of electromagnetic fields. Keely demonstrated this principle with a flying craft, which was publicly flown before the United States War Department in 1896.
- 8.9 Dr. Jarl from Sweden was the first foreigner on record to observe the ancient Tibetan practice of ‘acoustic levitation.’ Through a relatively simple setup involving drums and trumpets, giant stones were caused to slowly levitate in a parabolic pattern up to a cliff. This effect is made possible by the qualities we have previously mentioned, and Dr. Jarl’s measurements revealed that all the trumpets and drums were precisely proportioned to the size of the levitating object. Though Dr. Jarl filmed this spectacle on two different occasions just to prove that it was real, the English Society for which Dr. Jarl was working confiscated the two films and declared them classified.
- 8.9.1 Dan Davidson’s research reveals that the overunity power factor in the Tibetan Acoustic Levitation is **5,250,000 over unity** (i.e., 52,500 watts/0.01 watts,) meaning that roughly *5,250,000 times more energy is being used to levitate the stones than is being directly emitted by the drums and trumpets*. Bruce Cathie believes that this effect has nothing to do with consciousness, but it could well play a part, given what we know from the studies of Nina Kulagina and others in the laboratory setting.
- 8.10 The idea of a consciousness connection to sound-based levitation processes is further supported by the observation of Keely levitating a four-ton iron sphere. A journalist came to his house and witnessed him wearing a small device attached to a belt with a metallic string coming out of it, which was then attached to the sphere. By adjusting the belt settings and concentrating intensely, Keely was able to get the sphere to levitate, move across the room and then plunge into the ground with evidence of its weight having substantially increased.
- 8.11 The phenomenon of “sonoluminescence” shows that sound energy can produce a trillion times more energy than it naturally exerts in a special laboratory condition. A bubble is suspended in water in the center of a spherical flask by the use of directed sound fields. Once the bubble is suspended, UCLA’s Dr. S. Putterman et al. determined that the internal bubble compresses to *1 / 100,000th of its original size* due to the pressure of the sound, during which time light is released. The flash of light is shorter than 100 picoseconds (or trillionths of a second) in duration, vibrating with extreme regularity every 100 millionths of a second. Putterman's studies eventually made it into *Scientific American* in February 1995.

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