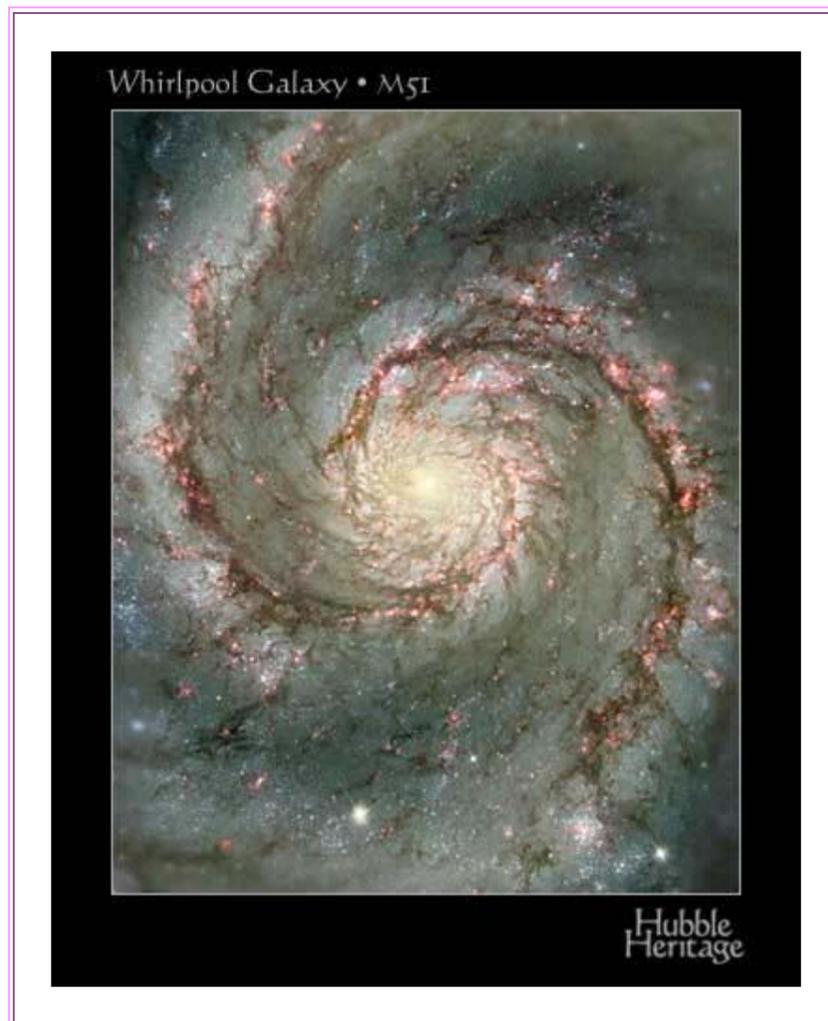


Density Wave vs Electric Cycles

New Ice Age Ahead

A trap of consensus science

The Density Wave



The spiral galaxy that you see is deemed to be an illusion

The 62 million year cycle paradox

We face an apparent paradox with 62 million year cycle. The paradox is two-fold.

1. It is believed that astrophysical factors cause repeated extinction events, such as cyclical cycles of death. In order to make the theory plausible a modern type of Ptolemy's epicycle theory has been created by which the solar system rises above the galactic disc every 62 million years where it becomes exposed to extra-strong cosmic radiation that results in mass extinction events in 62 million year intervals.

On the basis of this modern-type epicycle an upswing of fear has been erupting now that as a result of this 62 million-year exposure cycle a great mass-extinction of life on this planet is about to happen again. This apocalyptic fear has become something akin to a mythological belief.

In real terms, no force can be identified that would single out the solar system, or groups of solar systems from a field of more than 200 billion star systems, and lift it above the galactic plane, and then force it back down below it. The solar system is presently located within 100 light years of the galactic disc that is itself a 1000 light years thick. The solar system is neither close to the galactic ecliptic, nor anywhere near the 'surface' of the galactic disk as the extinction-cycles theory would have it to be. The solar system is nicely tugged away deep inside the galactic disk and far from any supposed danger zone. No indication exists that this is about to change soon or will change in a cyclical phenomenon spanning 62 million year interval's.



[Milky Way Galaxy](#)

If one considers that the 62 million year cycle is presently at its minimum point, a point that is deemed to correspond with maximum extinctions, then no rational reason exists to blame the historic extinction events on the position of the solar system in the galaxy. Thus, the extinction cycle concept is completely mythological in nature.

This does not mean that the 62 million year cycle does not exist. It does exist and is documented by discoveries of such cycles in deep sea sediments and in ice core data. Only the interpretation is mythological. The mythology comes into play as a means for explaining the observed 62 million year cycles on a platform where gravity is the only active force in the astrophysical universe, as the consensus perception dictates. On this platform nothing that we see happening makes sense under the known principles of mass-gravity relationships. With the perception being boxed in, into the gravity-only platform that has become orchestrated as academic consensus, mythological concepts are invited to explain what is physically observed from a boxed-in standpoint that excludes the strongest force in the Universe with the widest reach, which is the universal electric and magnetic force.

With the electric force being banned from astrophysical considerations the observed universe becomes a mystery that is explained with mysteries that by their nature are easily abused for apocalyptic predictions and fear mongering. Fear is the mind-killer. Problems for which no solutions exist lead to mental regression towards infancy in thinking. Boxed-in science is easily abused to become a mind-killer, and this reflects in many ways the anti-science intention of the Paolo Sarpi/Huxley/Fabian axis for the defense of empire against the advance of science. Scientific development is the poison pill that no empire can ultimately survive, since empire itself is built onto the boxed-in platform of so-called economics where liberal private monetarism is king and the looting of society inevitable. The boxed-in world view where the greatest physical forces of the Universe are omitted, falls into this category. The electric force is more than 36 orders of magnitude stronger than gravity, with an infinite reach that does not diminish with the square of the distance as does gravity, but does so only linearly, which has enormous implications in the astrophysical world. In comparison, gravity is a mere dribble.

On the scale of the Milky Way Galaxy, a 62 million year cycle of electric density variations would be just about the kind of cycle time that one would expect for a dynamic system the size of the Milky Way. The electric density cycle in turn would reflect itself in corresponding cyclical temperature variations on earth, which we have evidence for. This does not imply that the resulting temperature cycles are death cycles or extinction cycles. They are merely cycles of the prevailing energy level in the solar system that our earth is a part of.

Unfortunately, this is not how a galaxy is understood in modern times, for obvious political reasons. The boxed-in perception is that of a gravity-only world that determines the shape of academia where the Universe is ruled by gravity and nothing else. Having boxed itself in this way, academic astronomy resorts to the age-old tool that Ptolemy had invented nearly 2000 years ago to twist the observed evidence into accord with preconceived notions. He invented the epicycle (a circle riding on a circle) in order to construct a perception of the orbits of the planets that conforms with the doctrine that everything in the heavens (the heavens being perfect) must be made of perfect circles. It took astronomy 1500 years to lay the epicycles aside (and more if one includes Aristotle who started the epicycle concept). It may take another 1500 years for academic astronomy to lay the modern epicycles aside that are required to make the universe conform with the gravity only doctrine.

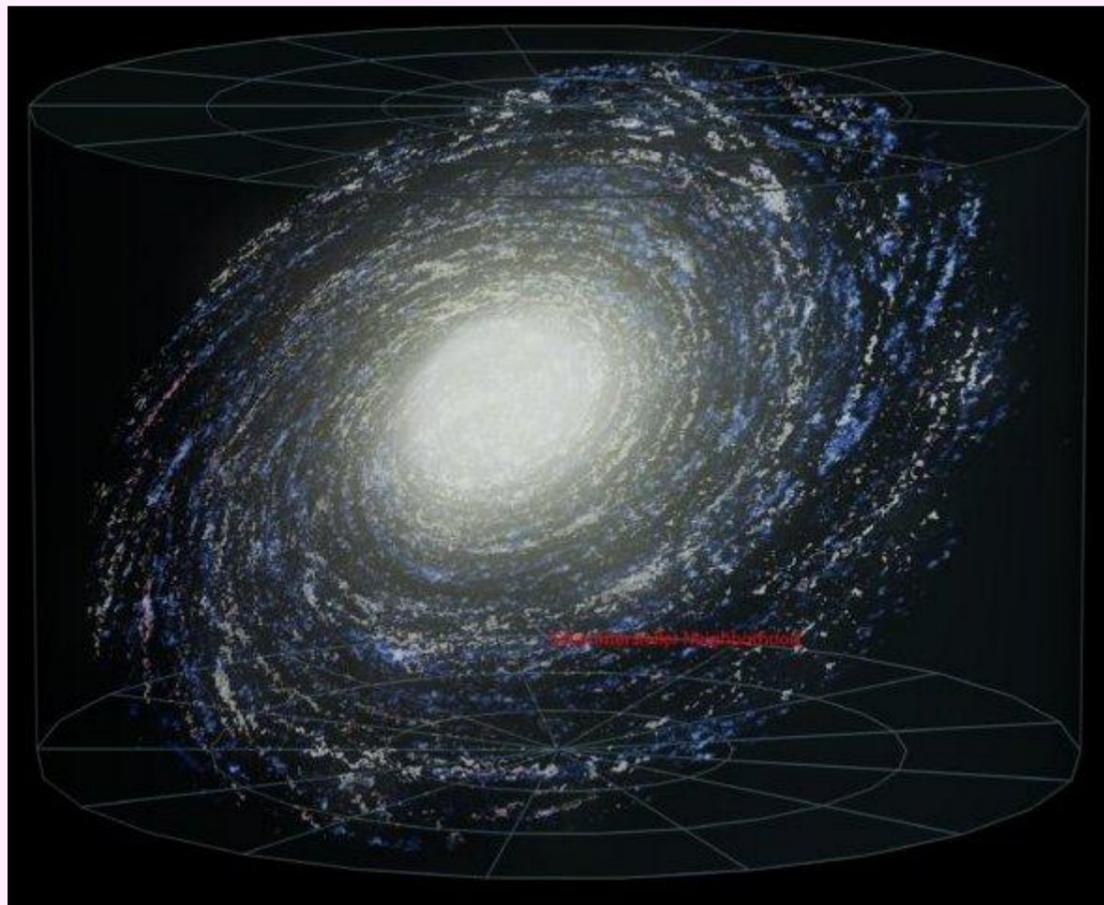
The latest modern epicycle for looking at the universe with the boxed-in consensus science where only gravity rules, is named the "density wave." The Density Wave doctrine is a part of **the entropic-**

universe perception of the Big Bang Cosmology.

Behold the Density Wave!

In the gravity only universe the spiral galaxy throws academia a twist. The twist is called **"the winding problem."**

It is reasoned that when stars orbit the galactic center their orbital speed slows with increasing distance from the center. This is true for the orbital speed of the planets around the Sun. The velocity of Pluto (the outermost planet) is 10 times less than the velocity of Mercury (the innermost planet). It is reasoned that this speed differential also holds true for the stars in a galaxy, whereby the spiral arms that we see could not exist, but would become evermore tightly wrapped around each other in a maze of 200 billion stars all orbiting at different speeds, such as is hinted at in the artwork below of the [Milky Way](#) Galaxy.



Since this is not what we see in the heavens, the modern doctrine states that what we see with our eyes and photograph with telescopes (as the top image of the Whirlpool Galaxy, or the image below), which appears in the form of two spiral arms of stars, is deemed an illusion and is said to not really exist as a material reality.



The doctrine of the density wave states that the spirals that we see are not physical structures are the stable result of dynamic "density waves." The spiral arms are deemed to be not static structures, but waves of a dense temporary bunching together of stars like in a traffic jam, forming perturbations nodes, dynamically created by orbiting stars in elliptical orbits. The resulting density waves are deemed to be the result of orbital resonances generated amongst the individual stars of the disk.

The density waves are also said to contain structures of 'dark matter' that is invisible, has no mass, only gravity, which thereby becomes a highly dense wave that is deemed to originate in a super-dense black hole at the center of a galaxy. By having no mass, the dense wave is not bound to the laws that govern mass-gravity relationships. It is therefore deemed to expand with a constant velocity, by which it forms the logarithmic spiral that we see in spiral galaxies, which is deemed to rotate with the rotational speed of the black hole. The theory further deems that the dense gravity in the spiral wave becomes a seed-bed for star formation so that the light that we see coming from the spirals are transient phenomena of stars being born, which in time become invisible as diffused orbiting objects within the disk of the galaxy.

The density-wave theory is a nice sounding fairy tale of a self-collapsing entropic universe that was born in a big bang and is deemed to collapse into a heat-death when its resources are used up. The density-wave theory describes a galaxy that is inherently non-expanding, that is entropic by the consumption of the galactic dust and gases that are deemed to be condensed in the density wave into stars by the force of dense gravity. But this is not what we see happening in the real Universe. There, wherever we look we see a process of inherent expansion in all aspects, including expanding complexity and quality, rather than contraction.

The density-wave theory is a myth, that inside the box, has been elevated to the status of a fact. Nor is it verifiable, whereby it becomes a doctrine. It has become one of the many myths that are religiously clung to in order to make the gravity-only universe conceptually palatable, like the myth that was once believed of planetary objects having to orbit on lines of perfect circles that Johannes Kepler finally liberated astronomy of after 1500 years with the science of a higher concept.

In the electric universe

Unwinding the "winding problem"

In the electric universe the apparent rotation of galaxies poses not a problem, because the galaxies do not rotate as a whole, but are wound up from the center by which the spirals expand as star formation continues

to happen, while its arms do not rotate. The active motivating force for this action is not mass and gravity, but the principle of the electric z-pinch effect in plasma. The same electric power that causes the force for the spiral winding is also applied as energy to power the stars. Gravity has nothing to do with this.

Nothing in a galaxy is orbiting the galactic center

Planetary orbits occur by the mass-gravity principle. This is possible on the 'local' level of a solar system where the distances are small, but it cannot happen on the vast galactic level, because gravity diminishes with the square of the distance. In our tiny solar system the orbital velocity of the planets diminishes in an exponential relationship with their distance from the Sun. (From 47.9 km/sec for Mercury, the innermost planet, down to 4.74 km/sec for Pluto, the outermost planet, which adds up to a 10-fold difference in velocity. This relationship is too dramatic to be applicable to the galactic scale)

See: ["orbital speed" - Planetary data.](#)

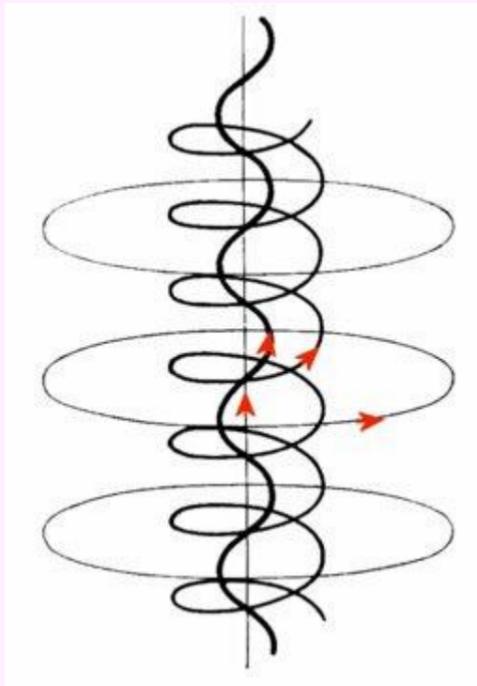
On the galactic scale the electric principle roles that exerts a force that doesn't diminish with the square of the distance, only linear with distance. The orbital "winding problem" doesn't happen there, because nothing orbits around the galactic center. No Density Wave is needed, nor black holes and dark matter, to fix a problem that doesn't exist.



[NASA Hubbel Heritage image](#)

A galaxy is not a dancing circus, but an electric pathway that electric/magnetic forces have coiled up into a double spiral - one inflowing and another out flowing to the next galaxy in the cosmic networks of plasma electricity streams. This is the principle that has been observed with the telescope to be actually real.

While movements of stars in the spiral arms have been observed, they have been mistakenly assumed to be orbital motions. The movement of electric currents in plasma create an encircling magnetic field which pinches the current to greater density and acts back onto the current flow, which thereby twists it into a spiraling current structure, called the Birkeland current.



[Birkeland current](#)

Anything that is in the current flow gets caught up by the twisting motion of the electric current. Whatever movements are detected to result from that are automatically assumed to be orbital movements, while in reality no such thing happens.

The 10-fold difference in the orbital speeds that we see in the planets reflects the dynamics of a primarily gravity-powered system. In the galactic environment different forces evidently apply which still baffle the astronomers. They expect to see the principle of the gravity-motivated solar system reflected in the galaxy, but it doesn't happen there. Whatever movement are observed are uniform throughout the galaxy, as one would expect this to result from the twisting of Birkeland currents.

See: [Free Energy visible in the galaxy](#) - apocalypse NO!

The Density Wave theory is a myth built on a fundamental failure

Since what is observed doesn't match the model of the consensus in the box (the gravity only consensus), a number of fudge factors are applied. Since the orbital speeds do not drop off with distance in a galaxy, the presence of a halo of "dark matter" is proposed to be surrounding the galaxy, which is deemed to also have a connecting link to the galactic center that is deemed to be a black hole of immense gravity. But this model doesn't work either, as the inner planets would have to be racing in their orbits at a very great speed reflecting the immense gravity of the assumed black hole. The gravity-wave model has been invented as the crowning excuse that miraculously corrects all of the otherwise impossible problems.

Naturally, impossible problems are encountered when 99.99% percent of the Universe is banished from considerations. 99.999% of the mass of the Universe is acknowledged to exist in the plasma state that is 100% fluid and is electrically active, responding to the strongest universal force in the Universe. Outside the box where the widely observed reality is considered and explored, and verified in laboratory experiments, none of the problems arise for which the density-wave dogma was created to hide the built-in failures.

There is an important lesson in all this

The notion that gravity governs celestial mechanics has been "embedded within our culture" for hundreds of years and is as difficult to dislodge as was Ptolemy's epicycles. Science is essentially a cultural activity and is not as objective as we like to fool ourselves. It seems that the cultural imperative remains strong enough to deny prima facie evidence and defy logic and commonsense. As Max Planck lamented, "An important scientific innovation rarely makes its way by gradually winning over and converting its opponents. What does happen is that its opponents gradually die out, and that the growing generation is familiarized with the ideas from the beginning."

Unfortunately, our growing generation is not being familiarized with important scientific innovation that history shows often comes from outsiders to a discipline, from people who have not been imbued with the

culture of that discipline. Innovation from outside a discipline is in general actively suppressed by academia and generally ignored by a [lazy media](#). Meanwhile there is a blizzard of high-tech computer simulations presented to a growing generation as real science. Science has entered the age of virtual reality. And our understanding of the universe has become as contrived as a computer game. (by Wal Thornhill 20 May 2008 [Electric Galaxies](#))

Contrived science typically has an agenda to follow.

This includes increasingly also academic science. For certain political agendas the density-wave theory becomes valuable for its apocalyptic potential. The density-wave theory states that all stars orbit at diminishing speed by distance. By the imagined speed differential, the speed of the density wave - with some stars some moving slower than the density wave, and some faster - it is deemed that all the stars in their orbit around the galactic center must pass repeatedly through the higher density regions where stars get bunched up in waves at precise and cyclically predictable intervals. The consequences of our solar system passing through the assumed dense-matter regions are deemed to be apocalyptic in nature. Thus the density-wave doctrine become a great platform for pinning apocalyptic theories into.

In this context the observed 62 million year global temperature-variation cycles have become recognized as mythical death cycles, cycles of mass extinction, volcanic cataclysm, and so on, with the Japan earthquake in 2011 being linked to them as an example that the world is now entering a death-cycle zone. The 62 million year temperature-variance cycles are suddenly being blamed for the 5 large mass extinctions that are known to have occurred during the last 500 million years of the history of life on our planet, and also a few minor ones.

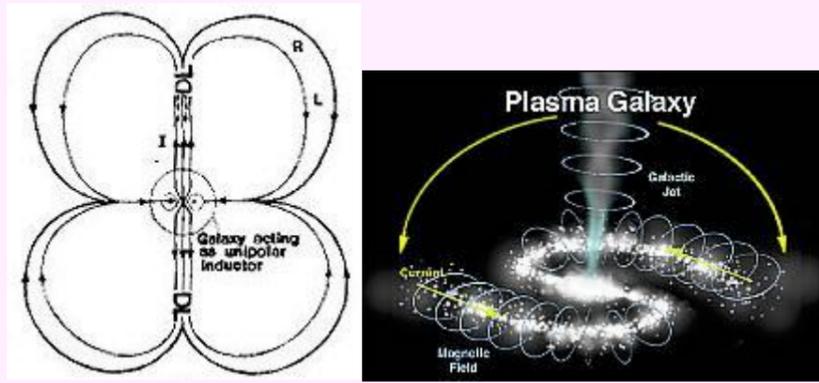
It doesn't seem to matter in the apocalyptic world-view that the 5 great historic extinctions had all distinctly different causes, with no observable commonality between them. Nor does it seem to matter that a 62 million year cycle is not really possible under the density-wave theory.

The calculated orbital time of the solar system around the galactic center, drawn from observations, is said to be in the order of 225-250 million years, referred to as the galactic day (see: [Milky Way Galaxy](#)). On this time scale, the shortest interval of the Sun passing through the mythical density waves, if the waves had zero rotation, would be half the orbit time, app. 110-125 Ma, unless the density wave is deemed to be counter-rotational, which cannot be, because the density wave is deemed to have the same angular motivation than the orbiting stars.

A 62 million year cycle can only result if the density waves would rotate several times faster than the stars. If this was the case, the stars would be constantly accelerated and be swept out of the galaxy. Thus, no matter how one adds up the numbers that the density wave is based on, no mechanistic perception of the density-wave galaxy is possible that yields a potential cause for the 62 million year extinction cycles.

The Plasma Galaxy

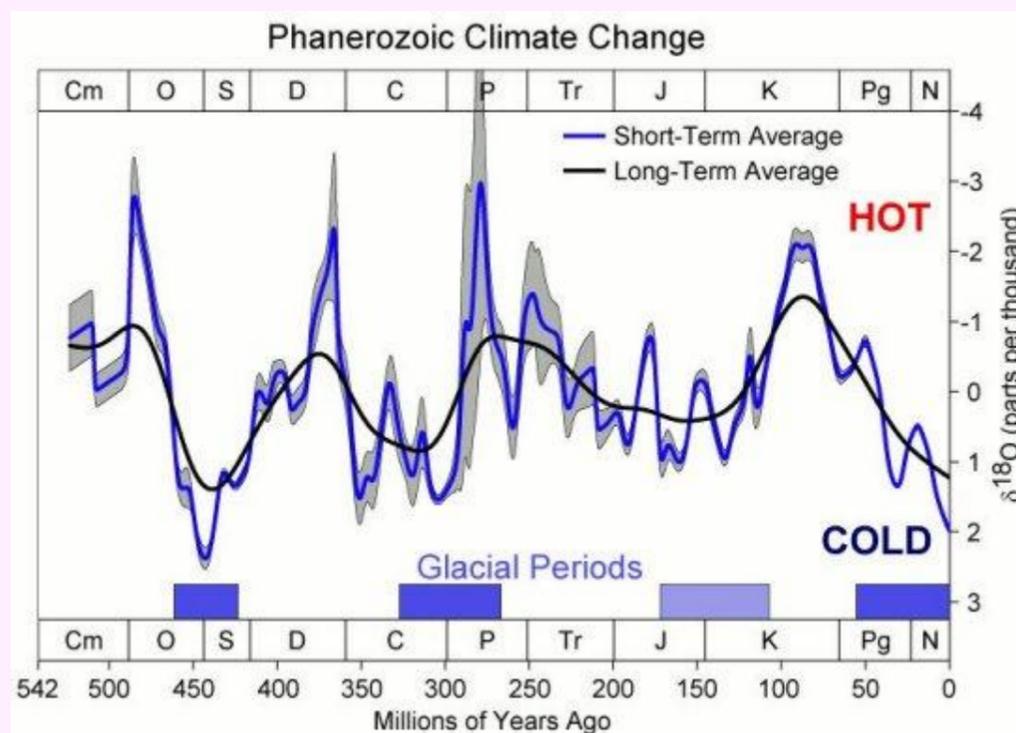
In the electric universe, however, the mechanistic characteristics fall by the wayside as gravity is not a major player on the galactic scale in comparison with the electromagnetic force that is 36 orders of magnitude stronger and does not diminish with the square of the distance as gravity does, but has instead a linear relationship. This simple recognition takes one in into a whole new sphere of perception regarding of the dynamics of a galaxy. In this sphere that includes the electric universal force, the spirals of a spiral galaxy are recognized as stable electric density channels that are magnetically self-confined by the Birkeland Current principle. The world renowned plasma physicist Hannes Alfvén proposed that the electric force is seen reflected in the structure of a spiral galaxy according to the discovered principles of plasma physics.



In the plasma galaxy no mythical density waves are needed, nor concepts of dark matter fields within and surrounding a galaxy, for the recognition of the forces that create stable logarithmic spiral structures. In the electric concept of the galaxy the short-term 100,000 year ice age cycles, and also the 62 million year electric density cycles come to light as natural expressions of electric resonance cycles. In a galaxy that extends 100,000 light years across (50,000 ly radius) a 100,000 year cycle time of electromagnetic progression would naturally result from a 100,000-ly wide system's electromagnetic resonance. With the physical movement of the electric plasma itself being considered, which moves much slower in the 100 km/sec range, a 62 million years resonance cycle is easily conceivable without the aid of miracles such as density waves, dark matter, and black holes.

And this is also essentially what we see reflected in the sediment records that take us back in time almost 600 million years.

Nor do the very long 144 million year cycles that we also see reflected in the sediments record, overlaid with the 62 million year cycles, pose a perceptual problem in the plasma galaxy concept. With the galaxy recognized as being externally connected to an intergalactic networks of electric currents and long electromagnetic waves, a 140-150 million year resonance cycles is likewise easily conceivable. The intergalactic current networks are sometimes referred to like filaments of a sponge, or as filaments in the foam on the seashore.



[see: Geologic Temperature Record](#)

Neither of the long electromagnetic resonance cycles (62 or 144 Ma) pose an inherent cyclical threat to life on our planet, much less in the form of death cycles and extinction cycles. Only once when both cycles' low points overlapped did an extinction occur from the resulting deep ice age 450 million years ago. While 5 major extinction events, and some minor ones, have occurred on our planet that we have fossil records for, there is no cyclical similarity between them the individual events apparent, nor an inherent cyclical rapidity. Each of the 5 major extinction events in geologic history can be traced a separate cause. Of course the inconvenient facts of reality don't seem to matter much against the weight of apocalyptic predictions that require a 62 million year death cycle. And so, mythologies have been created that fit the bill (the apocalypse

is coming) which in modern times have been built up with the name of science attached and the stamp of academic consensus put onto, that keeps the myth nicely boxed in and reality out.

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