

John DiNardo May 2013  
(Revised 9/28/13, a work in progress...)

Part 1) MegaStorms <=Earth's Core Off-Center <=Chronic  
Solar Blasting <=Incoming Plasma-Drenched Comets  
Electrically Exciting the Sun

#### Author's Professional History:

Following my service as a U.S. Marine aircraft electronics technician, I earned the bachelor's degree in science education from Kean University (cumulative grade point average: 3.44 out of 4.00), specializing in physics and biology, receiving state certification to teach all of the sciences in the high schools of New Jersey. My early career involved teaching high school physics.

Desiring greater creative latitude, I reverted to my previous career in electronics, working for the following companies: McGraw-Edison Co., Bendix Avionics Corp., MCI Corp., Dynalco Corp., Industrial Timer Corp., Mobile-Vision Corp., and twenty years with Bell Telephone Laboratories/ AT&T Bell Laboratories as a designer of electronic circuits. During those years, I attended Fairleigh-Dickinson University, taking courses in electrical engineering and in differential equations.

My work and study in both the field of physics and in electronics involves the principles of electricity and magnetism, which are the basis of this theory which I offer to you.

#### THEORY:

Chronic super storms, worldwide, are being provoked by the shifting of Earth's solid metal inner core away from its center position, so as to stir Earth's molten metal outer core from its smooth even circular pattern into an undulating, or wavy, circular pattern.

Imagine submerging the candy ball of a lollipop in the center of a cup of coffee, and spinning the lollipop stick between the palms of your hands. The candy ball rotates, but does not revolve, because it remains centered in the body of liquid. In your mind's eye, notice that the coffee swirls smoothly and evenly around the inside of the cup, without making waves. I verified this common phenomenon by taking a hand-held electric kitchen mixer and, using just one rotary beater attachment, submerged the rotating beater in a mixing bowl filled with water.

These examples of a lollipop or a beater rotating, but not revolving, at the center of a liquid filled cup or bowl, serve as a model of Earth's

dominant core flow pattern. The core is comprised of a solid spherical metal inner core rotating at the center of a spherical cavity filled with molten metal swirling in a circular pattern.

The pressure exerted upon matter within the Earth increases with depth. At great depths, and consequently great pressures, Earth's metallic elements and compounds precipitate out from the non-metallic matter. Hence, most scientists believe that, at the very center of Earth lies a solid, mainly iron "inner" core. Surrounding this inner core is a mainly iron molten "outer" core. Surrounding this molten outer core is a very thick (about 1,800 miles) magma layer called the mantle. However, this discourse concerns only the solid metal inner core and its surrounding molten metal outer core.

The main point to keep in mind is that, as long as the solid inner core is centered, it will rotate, but not revolve, and therefore, the surrounding molten metal within the spherical cavity will swirl in a smooth circular pattern, without being abruptly agitated, and thus, without generating peaked waves.

The following is my theory as to phenomena of electricity and magnetism influencing, and even determining, the occurrence and the magnitude of various meteorological phenomena, such as wind, rain, snow, hail, lightning, and variability of temperature. I believe that seismic and volcanic phenomena are also affected by phenomena of electricity and magnetism.

The atom of any metal possesses electrons in its outer valence band which are loosely bound (weakly electrically attracted) to the nucleus at the center of the atom. Therefore, these loosely bound outer valence band (orbiting) "free" electrons constitute a vast sea of negative electric charge distributed throughout Earth's molten metal outer core.

Due to Earth's constant rotation, this sea of negative electric charge is revolving, swirling in a circular pattern, and a major phenomenon of electricity and magnetism is that a moving electrically charged particle, such as an electron, generates an electromagnetic field which encircles the path along which the charged particle is traveling. Visualize an arrow inserted into the core of a metal spring or coil. The arrow is analogous to the path of the moving electrically charged particle, and the coil is analogous to the invisible electromagnetic field generated by the moving charged particle. Another analogy is an airplane generating a billowing chemical trail encircling the airplane's flight path.

We see the application of this electromagnetic effect every day, around the world, in the operation of the common electric motor, wherein electrons are voltaically energized to flow through a copper

wire which is situated near a permanent magnet. Surrounding the length of electrified wire that is the generator winding is a generated electromagnetic field which is alternately attracted to and repelled from a fixed permanent magnetic field. This push-pull action results in the rotation of the motor shaft, allowing for work to be done by the motor, such as rotating a fan blade or a food blender blade.

Returning to our visualization of Earth's smoothly swirling molten metal outer core, we see that the free electrons within the smoothly swirling molten outer core are as the free electrons moving through the wire of a generator. Now, visualize the wire being formed into a horizontal circle, sort of like a hoola-hoop, with the free electrons racing as in a circular racetrack. This same generating of electricity occurs within Earth's swirling molten metal outer core. Naturally, the electrons circulating inside the swirling core generate a powerful electromagnetic field which encircles that molten metal hoola-hoop as if the hoola-hoop were threaded through numerous rings. It is the sum of electromagnetic field rings threaded through the circular swirling molten core -- like a horizontal necklace string threaded through vertical rings -- which comprises Earth's magnetic field.

The circular swirling motion of the sea of free electrons populating the atoms of the swirling molten iron outer core kinetically generates Earth's magnetic field, just as electric current through loops of copper wire kinetically generates a concentrated electromagnetic field through the center of, and around, the common electrical element called "the inductor coil."

When the molten core's swirling pattern is horizontally even (latitudinal), then Earth's vertical (longitudinal) magnetic field lines are likewise even (like a row of soldiers standing shoulder-to-shoulder), and the result is jet streams which are rather horizontal, with little waviness, with little undulation. Basically, then, as Earth's molten metal outer core flows, so flows Earth's jet streams; and a smooth horizontal jet stream generally produces clement weather, so the

So, invisible electromagnetic field rings billow outward from the swirling river of molten electron-rich metals circling within the belly of Earth's outer core. You can visualize smoke rings billowing outward from the stream of smoke blown out from the mouth of a cigar smoker. Earth's magnetic field rings extend vertically from below the South Pole to above the North Pole, and they continue the loop down into the peak of the North Pole, and they feed down through the center of the Earth, conducting themselves right through the center of Earth's fruit

==>

pit, the solid metal inner core. Imagine needles piercing down through

a pin cushion, representing Earth's solid metal inner core. Now, if you were to grip these needles sticking down through the pin cushion, and if you were to move your gripping hand in any horizontal direction, naturally you would shift the pin cushion laterally in that particular direction. Well, an invisible gripping hand is what these piercing pins of electromagnetic field lines are. If these electromagnetic pins are forced to move laterally as they vertically penetrate Earth's inner core, then Earth's solid metal inner core will move laterally according to the lateral forces exerted on the core by the electromagnetic field lines threading through the core and looping out through Earth's poles to surround Earth, like a balloon of north-south wires. So, we can now see that the invisible magnetic field lines threading through Earth's pin cushion-like inner core are the same lines that loop out of the core to surround Earth's surface, many miles out in space.

The circular swirling motion of Earth's electrically charged molten core generates Earth's magnetic field. If the molten core's swirling motion is smooth, then Earth's invisible magnetic field lines are evenly vertical, north to south, and the result is jet streams which are mainly horizontal, with little waviness, with little undulation. Basically, then, as flows Earth's molten metal core, so flows Earth's jet streams; and as flows Earth's jet streams, so develop Earth's weather trends.

Now we can begin to understand the sole cause -- the solar cause -- of Earth's decade long history of extraordinarily violent weather trends; a decade of destructive storms, floods, drought, heat, and cold -- each of which phenomenon has shattered all records for any decade throughout all of recorded history.

I theorize that Earth's solid metal inner core has been forced off-center by chronic solar blasting upon Earth's magnetosphere. Recall our demonstration showing that, as long as a rotating beater remains centered within a bowl of liquid, the circular swirling path of the liquid remains rather smooth and free of undulations. But when that beater moves off-center, both rotating and revolving around in the liquid, then the swirling circular liquid becomes agitated, rising and falling in waves. Recall, also, that we concluded that Earth's jet stream flow patterns follow Earth's molten core flow patterns, with molten core flow patterns shaping Earth's magnetic field, and Earth's magnetic field shape, in turn, shaping the jet streams. So, if Earth's solid inner core is off-center, resulting in undulations, or waves, in the flow path of the molten outer core, then this waviness is reflected in a commensurate waviness in the flow patterns of Earth's jet streams.

Now, what is the cause of this decade long litany of super storms? It is the undulating roller coaster-like flow of the jet stream. Every time the jet stream yanks a northern cold air mass southward, at the leading, eastern, edge of that plunge there is created a drawing force that sucks warm moist air up from the south to collide sharply and explosively with that cold air front. This abrupt clash of cold air with warm moist Gulf of Mexico air creates an uplift and a spin, like the spin that a bowler puts on the ball at the instant he releases it. This abrupt collision of warm air with cold air is like pouring cold water into a sizzling hot frying pan. The result is all sorts of bizarre and violent weather reactions at the edge of the front: hail storms, rain storms, wind storms (often tornadic, due to the bowler's spin uplifting and spiraling the air).

Some non-science minded political reporters are claiming that the government is using weather manipulation techniques, which it has, to create this destructive weather. Such is a possibility, but only to a limited degree, and that limitation is what these reporters do not understand, because they have not been studying that gradually ballooning jet stream, worldwide, for the past nine years. They have not been following what the Weather Channel calls "the pineapple express," that jet stream roller coaster that continually sweeps eastward from the Pacific Ocean and then from the west coast to the east coast and east into the Atlantic Ocean. It is impossible for the government to control the jet streams flowing worldwide, and to make them undulate, in a gradually ballooning roller coaster-like pattern, completely around the Globe.

I have been videotaping the Weather Channel's severe weather reports and memorizing their weather map's ongoing jet stream display ever since 2004. Based upon these nine years of jet stream observations, it is strikingly obvious that for the past nine years, the jet stream has been consistently increasing in its roller coaster-like undulations, very much like one would expect swirling water in a bowl to increase in wave amplitude and in wave length if the beater were made to revolve in a gradually enlarging circle. Visualize Earth as a clear glass hollow sphere, filled with turbulent waving water. Well, that undulating water delineates the same sort of pattern that we see in today's turbulent jet stream.

Since Earth's solid metal inner core normally rotates like an egg beater, one is compelled to consider how plausible it is that Earth's solid inner core, like that egg beater, is being made to drift farther and farther from the center, its circle of revolution growing larger, and consequently, the molten core's waves gradually becoming greater in amplitude and greater in wave length.

What has been causing Earth's solid metal inner core to be forced off-center? Chronic solar blasting; not instantaneous or sporadic blasting, but long term solar blasting occurring over the past decade or so.

How would solar blasts of electrons and protons force Earth's solid metal inner core off-center? Each stream of Earth-directed electric particles actually generates an electromagnetic field encircling its travel path, and it is the sum of these countless individual particle stream electromagnetic fields whose energy is coupled to, and transferred into, Earth's magnetic field to disunite and disrupt the normal symmetry of Earth's magnetic field, both at the outer borders of the field and at its internal focal flux bundle. So, the Sun's chronically excessive electric emissions, over the past decade, have transferred deconstructive electromagnetic energy all the way back into Earth's molten metal outer core and into its solid metal inner core. One result is the heating of these two core domains. Another result of the solar winds' impact upon Earth's magnetosphere is the compression of the Sun-facing half of the magnetosphere and the elongation of the magnetosphere on the dark side of Earth. If you were to blow on a candle flame, the face of the flame would be compressed, while the backside of the flame would be elongated. As a result of a decade of extraordinarily severe solar blasting, notwithstanding a period of solar quiescence, tangible electromagnetic forces (like those exerted within an electric motor) have nudged Earth's solid metal inner core away from its center position, so that the inner core no longer rotates, only, but also revolves, as a stirring stick in a cup of coffee.

Soon I hope to examine why the Sun has experienced a decade of nearly uninterrupted hyperactivity.

-----