

Ettinger Journals

The Companion Summary to “The Great Deluge: Fact or Fiction”

Preview of Major Events Surrounding the Great Deluge

Discover the main treatise by Douglas Ettinger: *The Great Deluge: Fact or Fiction*, Making Sense of and Bringing Together All the Reasonable Scientific Hypotheses and Legends of Worldwide Cultures

The Companion Summary to *The Great Deluge: Fact or Fiction*

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II. Acknowledgements

The author wishes to record his sincere appreciation for the ideas and guidance received from the undermentioned institutions and some of the more significant and influential individuals during the researching and writing of this book. Without their own thoughtful research and revealing presentations many noteworthy facts and ideas would have escaped my attention. For these numerous contributions to non-consensus and alternative science the author is truly grateful.

A. Individuals

- 1 D.S. Allan and J.B. Delair, writers of *Cataclysm! Compelling Evidence of a Cosmic Catastrophe in 9500 BC* who made a very complete compilation of the Earth's forensics and mankind's traditions and legends about the Deluge.
- 2 Walt Brown, Ph.D., writer of *In the Beginning – Compelling Evidence for Creation and the Flood* developed the concept of "hydroplates" that jettisoned water and muck into the atmosphere and buried much flora and fauna just prior to and during the Deluge.
- 3 Robert Johnston, an independent researcher, published in a NCGT Journal an article, "Massive Solar Eruptions and Their Contributions to the Cause of Tectonic Uplift" that aided my conception of the shifting of Earth's Crustal/Mantle Shell (CMS).
- 4 Wallace Thornhill and David Talbott, co-writers of *Thunderbolts of the Gods* and *The Electric Universe* explained ancient archetypes as a manifestation of the ever-changing solar system as viewed by earlier people. The archetypes were then identified as electrical phenomena that could be produced in plasma research laboratories. Thornhill was one of the first to identify anomalous surface features on Mars as electric arc blasts.
- 5 Anthony Peratt, an American physicist, wrote *Plasma Universe* and is an important contributor to concepts of the Electric Universe group. He made the connection of high energy z-pinch plasma discharges recorded in worldwide ancient petroglyphs called "stick man".
- 6 Ev Cochrane's article, "Anomalies in Ancient Descriptions of the Sun-God" was published in the *Chronology & Catastrophism Review* 2016:2 of the Society for Interdisciplinary Studies (SIS). Cochrane, a comparative mythologist, wrote superb, delineated descriptions of how the Sun-Gods of ancient Mesopotamia, Egypt, and India differ with our Sun today. These differences for me aligned perfectly with the visiting Nemesis star.
- 7 Andrew Hall, an independent physicist, published blogs titled "Arc Blasts" for the Thunderbolt Project group explaining electrical scarring on Earth caused by the dielectric breakdown of the atmosphere via glowing plasma figures called "stick man". Anomalous geologic formations such as buttes, mesas, arches, hoodoos, and flatirons were caused by electrical phenomena per Hall's explanations.
- 8 Robert Bauval and Graham Hancock championed in several publications the "Orion Correlation Theory" and the re-dating of the Giza complex aiding the dating of the Great Deluge and true timeline of much earlier cultures in the Middle East.
- 9 Robert M. Schoch, a renowned geologist, published articles that re-date the Great Sphinx of Giza, the Bolivian complex, Puma Punku, and the Moai's of Easter Island collaborates the flood timeline. See his website - <https://www.robertschoch.com/>.
- 10 Zecharia Sitchin, writer of *The Twelfth Planet* has, very importantly, given me the idea of a sizable celestial body orbiting the Sun every 3600 years and passing through the inner solar system causing various degrees of destruction on Earth.
- 11 Isaac Asimov, prolific writer of non-fiction, has given me a very basic concept that our Moon is really a planet, which I call the "Moon enigma".

- 12 Jan Pini, editor of my website and artist for my original pastel and watercolor illustrations, has given me many skills through these recent years to survive the new Internet age, and has provided immense inspiration with her graphic art and general acceptance of paradigm shifts, although she acknowledges that she does not always agree with my theories.

B. Institutions

- 1 Google: the technology company that searches the world's information using emails, webpages, images, and videos. Its fervent quest to remain free and independent is very laudable.
- 2 Wikipedia: a free online encyclopedia that allows anyone to have the best university library at their fingertips. Qualified volunteers constantly update the information.
- 3 You-Tube: an American video-sharing website that presents science in its many forms from NASA space probe data, laboratory experiments, university lectures, general blogs, and, most importantly, viewpoints from independent scientists that move away from consensus science and challenge the existing paradigms.
- 4 Thunderbolt Project: the Internet voice of the "Electric Universe Theory" that attempts to highlight the importance of electricity over gravity in our solar system and galaxy. This independent group of scientists has convinced me to break-away from many cherished paradigms.

III. Preface

This attendant summary provides numerous "versions" for explaining the events surrounding the Great Deluge. The best known is the Christian Bible story of Noah where God intercedes – but, little scientific detail of why or how it happened are given. The assumption is that God performed this deed and no further understanding is required. The main article gathers several excellent "versions" that provide technical reasons. Some of the best "versions" are found in the books, *Cataclysm* by Allan & Delair and *In the Beginning* by Walt Brown. However, their credibility is seriously questioned for me and others because not all their presentations can be accepted as certain consensus science which I embrace to a large degree. The "versions" of this hypothesis explains reasons for acceptance of their ideas, but also the rejection of other ideas, and the inclusion of completely new ideas or hypotheses.

Any "version" is, of course, speculative and highly controversial. But now those curious people who have and will continue to ask, "Where did the flood waters and continuous rain come from?" have a much better and more complete compilation of events and technical reasons for their occurrence. The most up-to-date physical science and natural history data is utilized. By eliminating serious incoherent reasoning of previous author's presentation helps to elevate their own credibility in my eyes. The important contention of this article is that all planetary forensics, especially on Earth, should be explained by the best scientific reasons and logic at hand. All the pieces of this jigsaw puzzle must fit together. Hypotheses, if not theories, are needed to help explain Earth's mysteries. Enigmas are not to be feared and placed on the library shelf and forgotten. No harm is done in exposing and exploring these difficult and sometimes secretive and forbidden mysteries. A controversial hypothesis will always lead to a continued advancement in our scientific thinking.

IV. Preview of Major Events Surrounding the Great Deluge

This companion article is divided into 12 major events that occurred before, during and after the Great Deluge. These events overlap each other, but some definitely happened before others. An attempt is made to place them in an approximate chronological order as is postulated to have happened. This preview is designed to capture your interest by providing illustrations, one for each event, that portray what any possible survivors may have witnessed.

If the reader survives an accounting of these horrific events and does not get too lost with the technical explanation, then, you are highly advised to take the next step and read the main article.

A. Celestial Visitors, Nemesis and Her Consort, Arrive on the Edge of the Solar System after Orbiting Her Sister Star, the Sun, another 3600 Years



Celestial disturbances are normally attributed to infrequent mass extinctions and other global catastrophes. Who are these intruders and where do they come from? Are these deadly meddlers meteor storms, large asteroid strikes, close encounters of a rogue planet, or mega-corona mass ejections from the Sun? The forensics of Earth's last great catastrophe, the Holocene extinction event occurring close to the end of the Younger Dryas around 11,500 BP reveals clearly the origin and credentials of this interloper. The interloper is an undetected, captured brown dwarf star that orbits the Sun several hundreds of years each time for unknown millions of years. Other evidence of its identity is given by discoveries made by space probes to both major and minor planets in the Sun's system. Repeated electrical scarring on most of the other planets and moons indicate that our Nemesis visitor has transgressed and released thunderbolts of energy during each crossing, (the sign of the cross), toward different victims with varying degrees of destruction leaving behind irregular moons, asteroids, comets and rings around major planets. The star is very electrical and magnetic stealing energy from the galaxy and making exchanges of energy with the Sun as its orbital path crosses the heliosphere of the Sun. When Nemesis comes close again it releases energy at the Sun's heliosphere that may cause the Sun to become super-active depending on the current flow direction. Electrical engineers combining ideas with some astrophysicists now believe the Sun is a large anode having cathodic planets that are interconnected by solar winds and other dark plasma currents. Although the electromagnetic affects dominate the calamities between Nemesis and the solar system bodies, this fearful goddess has its own planets that can cause the perturbances of existing asteroids which then may collide with the Sun's planets and moons.

Nemesis's orbit is roughly determined to have an apoapsis beyond the Plutonian minor planets at about 470 AU. Its closer periapsis is somewhat variable but believed to occur somewhere between Mars and Saturn and slightly above the ecliptic plane. Havoc begins when the brown dwarf with its sizable dim corona crashes through the heliosphere of the Sun. More than likely, electrical charge imbalances occur that discharge themselves via Birkland currents of humongous streams of electrons and ions along the heliosphere interface that then rush toward the magnetic dipole of the Sun's polar regions. This clashing of their electrical circuitry begins perhaps hundreds of years well before humanity knows of Nemesis's arrival amongst the Sun's planets near its periapsis. The effects of Nemesis's coming are revealed by the activated solar winds causing disturbances with the Earth's weather, climates, earthquakes, and volcanism. Famine, plague, drought, and the weakening of man's infrastructure may well precede Nemesis's appearance in the sky.

What happened during the Great Deluge catastrophe is that Nemesis and its corona region released extremely large amounts of charge toward the Sun. The Sun became overly active. At first many sunspots, solar flares, and unusually large amounts of solar wind were released. These solar winds affected the planets' own magnetospheres, especially the closest terrestrial planets such as Earth. Eventually the Sun received too much electrical charge from its sister star and began to belch mega-size coronal mass ejections (CMEs). Unfortunately, one or more of these mega-CMEs were directed toward Earth which eventually created the Great Deluge.

B. The Conjunction of Earth, Nemesis, and Other Planets Create an Electric Circuit That Is Seen by Mankind as the Cosmic Wheel in the Ancient Sky



The catastrophe of 11,500 years BP was compounded by the alignment or conjunction of several celestial bodies. This conjunction created for a short period of time what the ancients called the “Cosmic Wheel” archetype of the ancient sky. The briefly aligned bodies of Earth, Mars, possibly a Nemesis planet and Nemesis itself were seen from Earth as three or more concentric bright circles with a dark spot in the center. The dark spot in the center was probably Mars; the next concentric circle was probably the flaring of large density electrical discharges passing around another planet’s surface on its journey to the lowest ground state which was Earth’s past magnetic polar region centered on the Laurentide ice sheet. The next concentric circle was Nemesis’s brightened corona surface. The corona surface may have shown briefly various phases due to light reflection and impacting solar winds from the Sun. The wavy or straight spiked flares and the different moon-like phases were all characteristics of the Cosmic Wheel

archetype.

Jupiter or Saturn may also have been particularly closer to Nemesis on this visit and fed the brown dwarf more energy due to their charge imbalance via Birkland currents. This temporary charging allowed the CMEs from Nemesis to reach past its own corona's boundary. An electrical series circuit was created because of the unusually and highly improbable alignment of all the previously mentioned charged celestial bodies. Consequently, Earth's past polar region received a very bright plasma discharge that appeared as a "Cosmic Wheel with Tongue" archetype. The tongue reached to the edge of the northern horizon and was the electric discharge that blew apart the Laurentide ice sheet and created the Hudson and James Bay astroblemes. The increased charge from the solar winds and the arc blast of Birkland currents on the North Pole also intensified the electrical charge of the Earth's crust including its sea water, subterranean waters, the electrically conductive plate boundaries, and its Moho layer. The spinning Earth with this extra electromagnetic energy created a more powerful dipole magnetic field which would soon react with another temporary stronger magnetic field coming from the Sun's recently released mega-corona mass ejections (CMEs).

C. High Energy Electromagnetic Discharge Destroys the Laurentide Polar Ice Sheet and Gouges the Rocky Surface to Form the Astroblemes of Hudson and James Bays



A convincing, documented claim is made by scientists of the Electric Universe (www.electricuniverse.info) that the celestial bodies have different build-ups of electric charge - the Sun being a positive anode, and the planets generally being negative cathodes. Circuitry between these bodies is created by a dark plasma, called the solar wind, which carries both positive ions and negative electrons. If conditions are ideal, high energy plasma discharges can occur between these bodies due to an unbalance of charge similar to static electricity or

lightning. The discharges through interplanetary space are accomplished by Birkland or double-layer currents that are still considered impossible by consensus science. This circuitry is proven and witnessed today by auroras correlated with Sun activity and the recent discovery of individual magnetospheres of the Sun and its planets.

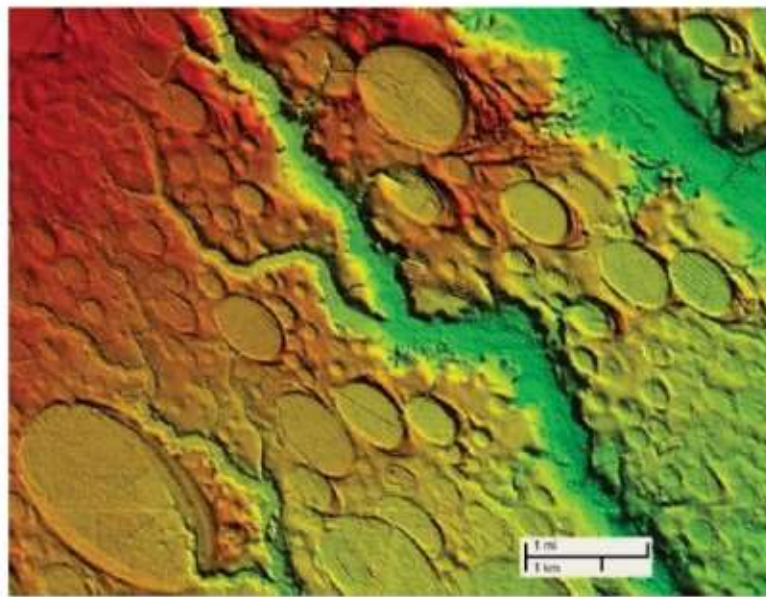
The highly improbable conditions were just right prior to the Great Deluge to cause an immense discharge between either a close encounter of an unknown, highly charged and magnetized planet or the conjunctions of various planets with Earth and the Nemesis star that completed a series circuit ending with a highly directed discharge. The spin-axis pole was then located east and south of the Hudson Bay in Canada which was the center of the ice cap or ice sheet that covered Canada, Greenland, and northern USA. Electromagnetic factors would cause the crustal/mantle shell (CMS) to rotate about 20 to 30 degrees latitudinally thereby moving the spin axis under the center of the Arctic Ocean and under the center of Antarctica. In turn, the fractured Laurentide ice sheet moved southward into a temperate zone to accelerate its continued melting and demise. At the South Pole the Antarctica land mass sank, releasing its giant ice sheet into the ocean.



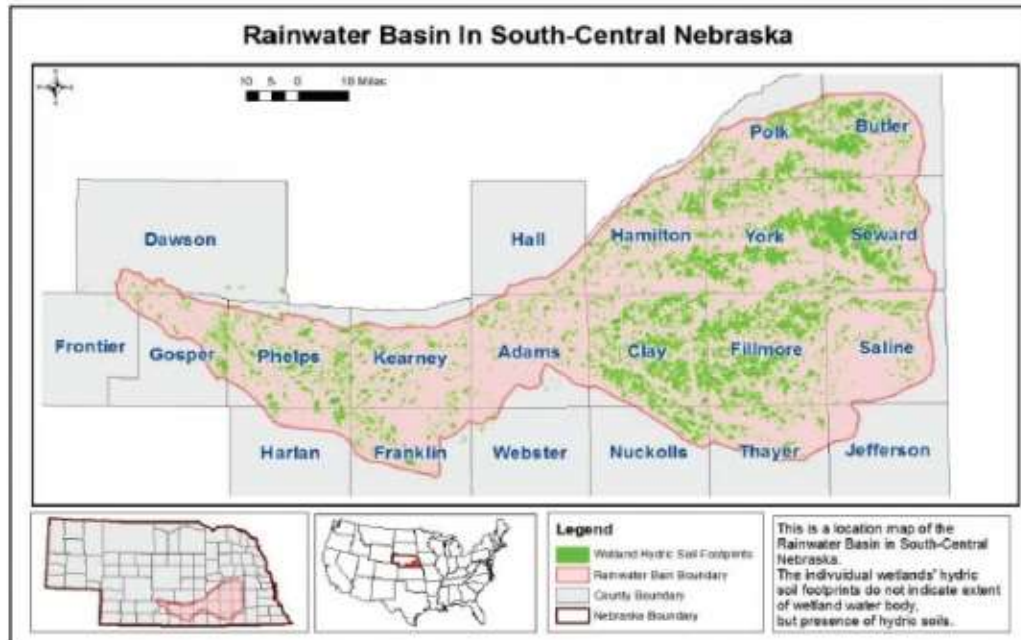
Laurentide Ice Sheet was the Ancient Polar Region
Before the Rotation of the Crustal/Mantle Shell Occurred.
(from GotBooks,MiraCosta.edu)

This violent, plasma thunderbolt of unbelievable scale would strike the Laurentide Ice Sheet and sputter large shards and chunks of ice into various trajectories. The high energy would

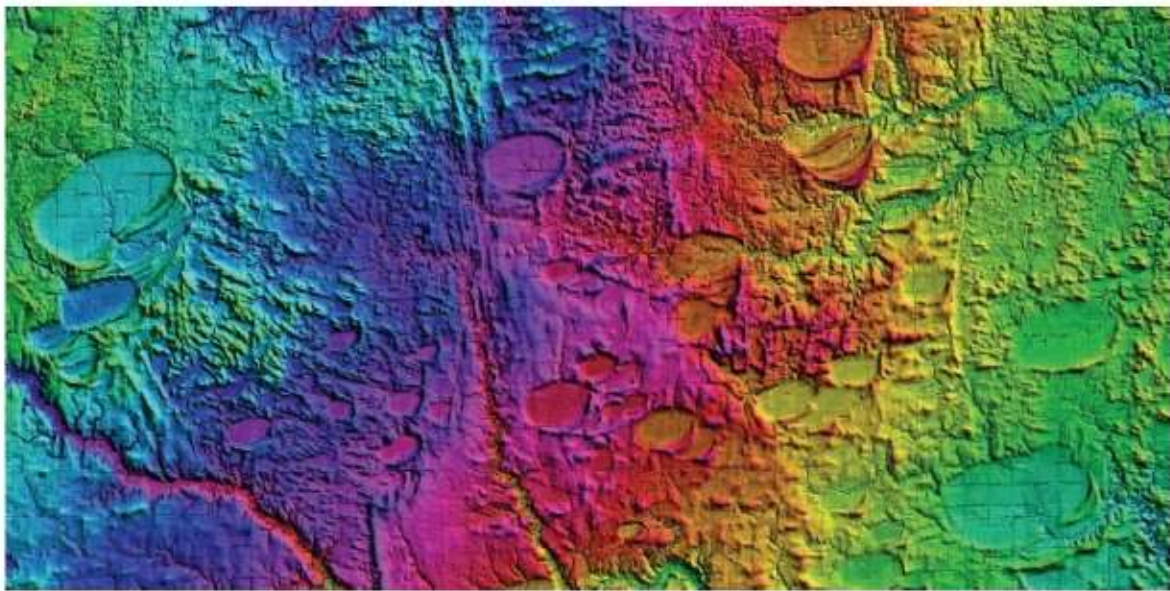
eventually cut through the thick ice and sputter rocky crustal materials, too. This final excavation of rock would create the astroblemes of the Hudson and James Bay, and create the huge, mysterious megalithic stones spread randomly over the northern hemisphere called erratic rocks. The trajectory of the ice shards and ice rocks created global phenomena of concentrations of oriented shallow depressions with little indication of meteorite fall. This undeniable evidence of ejected sputtered ice from the Laurentide ice sheet caused the unusual clusters of elongated, shallow craters. Some are listed: the Carolina bays on the southern coastline of the United States; the Nebraska rain basins; the lakes in the Alaskan permafrost near Point Barrow; the depressions in the Beni region of north-eastern Bolivia; the aligned lakes of the Old Crow Plain west of the Mackenzie Valley in Yukon, Canada; the river valleys of Penzhina and Anadyr in north-eastern Siberia; and, the unexplainable structures in the Netherlands.



North Carolina Bays' Orientation Pointing Toward James Bay, Canada
(from ancient-origins.net)



Nebraska Rain Water Basins Elongated and Oriented Toward Hudson Bay
(from WDAR elevations for playa wetlands; awramedia.org)



Nebraska Rain Basin Using Lidar Elevation Map Technology from cinto.org



Samson's Putting



Some Examples of Erratic Rocks that Occur Mysteriously in Random Fashion
Everywhere in the Northern Hemisphere
(from geocaching.com)

(Many readers have surely visited erratics and wondered about their origins.)

Additionally, immense electrical currents with high voltage would travel from the base of the thunderbolt along major North American rivers and seacoasts to electrocute fauna and flora and create general conflagration throughout the continent. Sediments of black carbon in river valleys give credence of this occurrence.

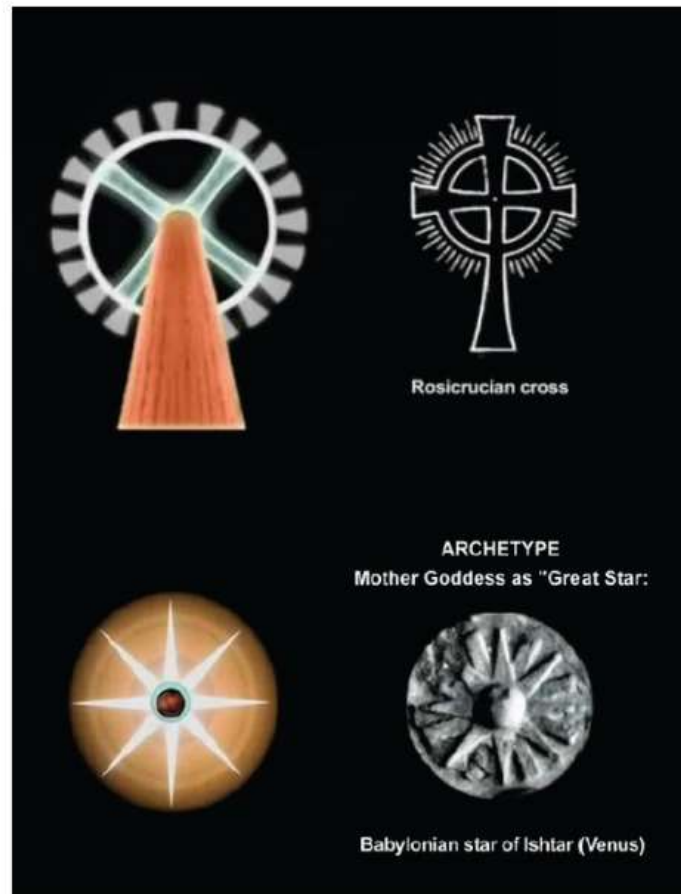
The resulting fractured, calving, and electrically heated Laurentide ice sheet would provide more ice and water inventories to dramatically increase ocean levels that added to East Antarctica's losing most of its ice sheet into the Southern Ocean. Any glaciers left from the splitting of the Laurentide ice sheet would quickly (meaning in about 100 years) melt due to its general movement from an Arctic to a Temperate Climate Zone.

D. The Conjunction of Nemesis and Planet Displays the Cosmic Wheel Archetype Which Initiates the Holocene Mass Extinction and the Destroys Pre-Deluge, Advanced Civilizations



The famous Cosmic Wheel archetype with a tongue and wavy spokes is thought to have commenced the horrific events that led to the Holocene mass extinction and demise of the Clovis people in North America. This same event is directly connected to the Great Deluge. Archetypes of man's recorded icons viewed in the ancient skies were developed by David Talbott, a comparative mythologist. His archetypes are seen in rock art (petroglyphs), cultural traditions, friezes carved into rock of ancient temples, adornments of various ancient leaders, and actual written descriptions. One special archetype known worldwide is the Cosmic Wheel, with various configurations such as straight or wavy spokes, concentric circles, and/or a projecting tongue reaching to the horizon. The author of this paper postulates that this archetype was the Nemesis star and/or planet(s) that due to either a close encounter or a

conjunction of several celestial bodies discharged immense Birkland type currents of glowing plasma toward planet Earth. The concentric circles represented a corona structure and/or conjunction of other planets; the spokes depicted electrical instability and flaring of the brown dwarf star or a planet in the path of the conjunction. Depending on various distances from Earth the cosmic wheel for a large length of time could have appeared without wavy spokes or a tongue reaching down to Earth.

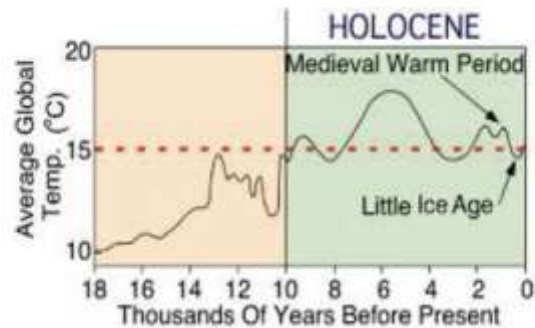


Various versions of the Cosmic Wheel archetype are shown.
(from pinterest.com and by Symbols of an Alien Sky)

As the electrical circuitry between these celestial bodies became organized, a tongue eventually appeared directed toward the Earth from the northern sky. The glowing tongue was the discharge of electrical currents directed magnetically at the Earth's north pole. At the base huge pieces of ice from the Laurentide ice sheet were sputtered outward into the atmosphere into various trajectories. Currents of electricity followed the Earth's surface southward especially through conductive waterways creating fires and other destruction. The ejected ice rocks then struck Earth's surfaces in various locations creating shallow, elongated, parallel, oriented craters with no rims. The ice then continued to break-up into smaller shards that continued their deadly scattering and destroying of flora and killing any animals in its path.

This combination of fire, lightning, electrocution, and bombardment of ice rocks and shards

along with the subsequent flooding wiped out the Clovis people. The consensus by anthropologists is that some unknown catastrophe destroyed their civilization; however, they cannot agree on the cause. Clovis settlements with the famous, distinct arrowheads ceased to exist in radiocarbon dating and sediments younger than about 9000 to 11,000 years ago. At this same time many megafaunas in North America also went extinct such as the rhinoceros, camel, giant sloth, and saber-tooth tiger species. The pieces of the puzzle of this horrible tragedy can now be assembled.



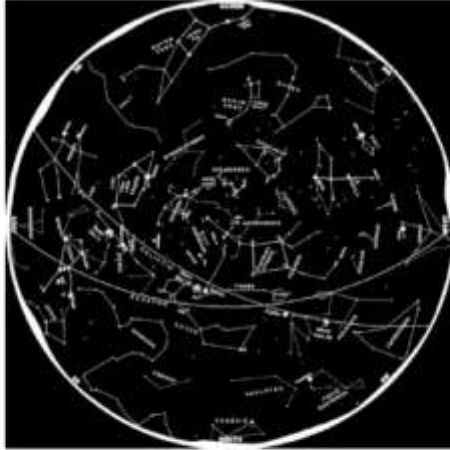
The Indicative Dip in Temperature Prior to the Pleistocene/Holocene Boundary is Known as the Younger Dryas; the End of this Period Marks the Holocene Extinction Event and the Great deluge.

(from phys.org)

E. Movement and Disorder of the Ancient Sky is Evidence of the Crustal/Mantle Shell Rotating about the Earth's Liquid Core and Disrupting Surface Elevations on its Changing Geoid



For the Earth's crust/mantle shell (CMS) to move about 20 to 30 degrees perhaps over about four hours of time, the movement of the sky was definitely visible and noticeable in the nighttime sky or with the Sun and/or Moon still in view. Since the crust/mantle shell moved latitudinally, the Sun, Moon, and star trails would appear to have vertical derangements and either sink into the horizon or rise above the horizon. Indeed, an ancient Chinese epic recounted that the "Sun, Moon, and stars poured down into the northwest where the sky became low". Obviously, if Asia moved closer to the North Pole as the crust rotated, then China was experiencing summertime with the Sun overhead, before it sank toward the horizon. This same epic then proceeds to tell how "rivers, seas, and oceans rushed down to the southeast, where the Earth sank." This narration confirms how the pre-deluge equator near China moved southward, thus elevating the crustal geoid and draining water from shorelines southward due to centripetal force. Finally, the epic explains the final stage of destruction by stating, "A great conflagration burst out. Flood raged." The conflagration was caused by a combination of electrical currents moving on the surface, severe lightning, and possibly falling, burning bolides originating from the cosmic wheel's tongue sputtering crustal rocks. Then the Flood finally arrives being the very last calamity which makes certain causal sense. The depiction above of a Chinese landscape also shows meteors with wavy tails thought to be serpent or dragon archetypes. These visions are really melting ice rocks erratically dispersing a trail of water vapor as they fall through the atmosphere.



For Humans After the Rotation of the Crustal/Mantle Shell (CMS) the Background of Stars with Respect to the Moon's and Sun's Path Would Change; Hence, the Constellations of the Zodiac Also Changed.

The Roman, Ovid, tells how the Chariot of the Sun driven by Phaeton moved “no longer in the same course as before”. More than likely, Phaeton is attributed to the actual Nemesis brown dwarf star in this myth. Ovid’s epic confirms the movement of the sky by stating how the constellations of the Cold Bears tried to plunge into the ocean. Of course, the Roman writers took their stories from the earlier Greeks who wrote about their own so-called legends handed down from hundreds of generations.

There are many other traditions that explain the movement of the sky. The more descriptive ones are from the Eskimos, from a Norse saga, and the Ute Indians of California. Celestial derangements are recounted on all continents and are mostly connected to the Great Deluge and/or celestial-visitor myths. There can be only one undeniable conclusion: Earth’s crust/mantle-shell did rotate, thereby causing a global flood. These so-call myths are actually real stories with embellishments, of course, that are found worldwide; and, indeed, corroborate each other with their coincidental descriptions of calamitous events.

F. The Destruction of Plato's Atlantis was Due to "Hydroplates" Erupting at the Mid-Atlantic Rift and Sinking and Burying an Advanced Civilization into the Deep Ocean



Plato wrote about the lost island civilization of Atlantis that ruled the ancient world in the Mediterranean region and competed with the Greeks for control. Its location was described as being beyond the pillars of Hercules which was known in ancient times as the strait between the Mediterranean Sea and Atlantic Ocean. Speculation led to its location being in the middle of the Atlantic Ocean directly westward of the Iberian Peninsula. Further speculation leads to a large island or a series of islands that were part of the raised mid-Atlantic Ridge that is now revealed by underwater mapping. This raised ridge could have been partially exposed in pre-deluge times, similar to Iceland of today.



Atlantic Ocean Floor, 1977, by Heinrich Barann

From this vantage point the Atlanteans could have controlled the waters of the Atlantic for colonizing the Americas and Africa and fighting wars with their contemporaries, the Greeks in the western Mediterranean, that existed well before the times of Solon, Plato, and Socrates.

Plato vaguely based its destruction occurring 9000 years before his time. He wrote his dialogues about 360 BC which quoted Solon who visited Egypt in 590 BC and translated Egyptian records. This adding of previous years places the flooding and sinking of Atlantis very close to the end of the Younger Dryas which is the postulated time of the Great Deluge of 9500 years BC.

So, what are the technical possibilities that could have led to its demise? I strongly believe that Walt Brown, in his book *In the Beginning*, adequately explains a series of steps for the cause. His hypothesis reveals “hydroplates” which are large subterranean reservoirs of trapped super-critical high-pressure water that Earth’s geology created along many of the oceanic rifts that separate the tectonic plates. These rifts create distinct uplifted ridges under the ocean and are above sea level in some places such as Iceland. Some of these rifts occur on continents. These rifts are postulated to be the origins of the edges of tectonic plates where the continental crusts drift apart from each other. The Earth’s crustal/mantle shell was displaced or rotated about the outer core and resulted dynamically in pulling apart many of these rift boundaries. Super-critical water of very high pressure held underneath the crustal plates was then released and jettisoned upward very high into the atmosphere. The water carried many dissolved minerals that were formed via tidal forces on the reservoir floors over eons of time. The subsequent “waters from the deep” separated Atlantis into two parts and covered it with scalding hot sediments of muck. The subsequent Deluge waters submerged these ridge islands. Then static forces of the muck and additional head of flood water collapsed the roof of the “hydroplate” ceilings thereby slowly sinking the covered Atlantis into a very deep ocean. These superior intellectual Atlanteans were merely the victims of circumstance – call it fate. The global degradation of human intellect after the Great Deluge probably led the surviving Greeks to believe in the myths of their deities that were superior to any others and destroyed the evil Atlanteans; these myths embodied the ideal state of the Greeks which Plato wrote about in *The Republic*. These deities, later adopted by the Romans, also personified the celestial bodies for reasons learned about in the study of the Nemesis star presented in http://www.ettingerjournals.com/db_e_mankind.shtml.

G. The Asphyxiation and Burial of Mammoths in Siberia is Caused by Falling Frozen Muck Generated by Material Jettisoned from “Hydroplates” under the Arctic Ocean into the Upper Polar Atmosphere



The asphyxiation, quick-freeze, and burial of mammoths and other megafauna in Siberia and Alaska has loomed as one the greatest mysteries in the natural history of the planet. This mystery has spawned several theories about the poles quickly shifting. However, this author has postulated a very specific rotation of only the crustal/mantle unit for about 25° of latitude to explain a rapid and permanent climate change in these northern lands. The spin axis orientation was preserved by the gyroscopic stability of the inner and outer cores of Earth. Siberia was in pre-deluge times a grassland with trees very suitable for grazing animals. Then its climate

converted quickly to an arctic tundra region with permafrost and only small stunted bushes. This phenomenon occurred over only about four hours creating - huge storms and in many cases quick-freezing for the mammoths. The final calamity, the global flooding, caused the washing and piling of mammoth bones on islands along the northern shoreline of Siberia when waters receded; and, created the heaping of uprooted trees and animal bones, sometimes 200 feet high, called yedomas. The strangeness of this paleontology is only explained by the subsequent and final calamity: the onslaught of the Great Deluge.

More improved evidence of their demise comes from Walt Brown's book *In the Beginning – Compelling Evidence for Creation and the Flood*. Brown postulated that "hydroplates" (his own concept and term) contained huge amounts of hot, pressurized super-critical water trapped in subterranean reservoirs under most of the world's uplifted oceanic ridges or rifts. Continued accelerated tidal forces eventually heated the water to enough temperature to release and jettison this water upward into the atmosphere and fall back to Earth with muddy minerals swept from the reservoir floors. This fallen hot muck would create sediments that buried much flora and fauna. My version differs in that a celestial disturbance causes a crustal/mantle displacement (not continued tidal heating as Brown suggests) which then disturbs and opens many rifts like a zipper. Another major difference between Brown and myself for the fallen "waters from the deep" is that many extinct animal species found themselves rotated into the newly created Arctic region. The muck that befell them was frozen containing sleet and/or hail. The shallow seas of the Arctic Ocean allowed the jettisoned water and minerals from the "hydroplates" to be ejected higher through the atmosphere closer to the ionosphere. As it began to fall the water had time to freeze. This frozen muck fell onto the regions in Siberia and Alaska where the mammoths and other large animals grazed or hunted. This massive high-density muck-fall froze the animals while both smothering and burying them, sometimes before they could even fall down.

H. Dramatic Uplift of Puma Punku in the Bolivian Andes was Fashioned by Tectonic Plates Pushed Together Causing Immense Heat and Electrical Conductivity that then Produced Material Phase Changes and Expansion in the Subterranean Rock



Puma Punku is a group of amazing megalithic structures near Tiwanaku, Bolivia, located on a 13,000-foot high plateau in the Andes Mountains. These sandstone structures are three-dimensional interlocked blocks of various shapes that are now in a random, tumbled, scattered disarray with many of these manmade stone structures buried under thick layers of harden sediments. Many of these stone slabs have machined (inferred) flat surfaces with a rough surface on the opposite side; these machined surfaces are of various shapes of rectangular or H-shape blocks having accurate 90° corners, slots, blind round holes, and square holes. Some of these stone blocks measure as much as 25 feet by 17 feet wide by three feet thick weighing almost 130 metric tons that were quarried as far as 56 miles away. This amazing masonry is characterized as accurately cut or molded rectilinear blocks of such uniformity that they can be interchanged. I-shaped architectural special alloy clamps are either cast or hammered in situ to connect many of the largest slabs. This same technology of clamping is also known to exist in ancient Egypt's dynastic-pyramid building period of 3000 to 2000 BC. Tunnels, channels, walls, open reservoirs, platforms and one-piece gates are all parts of this complex. Some archeologists have postulated that this campus is some kind of industrial complex for an ore processing plant since many precious metals such as gold, silver, copper, and tin have been discovered and mined through the ages in this region. This may be the reason that Spanish Conquistadores found great quantities of gold and silver held by the Incas with no explanation to its origin.

Consensus archeologists date these structures backward to the proposed beginning of the Inca civilization at 200 to 300 years AD; however, it is believed that the Incas of Tiwanaku, with their bronze-age technology, could not possibly have made these stone shapes, which even challenges modern man's technology. Recently, a geologist, Dr. Robert Schoch, has dated these structures to about 11,700 years BP when catastrophic damage occurred. Schoch's dating methods are difficult to refute (see www.robertschoch.com). Some large rock slabs of gate-type

structures were cracked apart during a violent movement of the ground; the rough surfaces within the cracks have been both weathered and encrusted with lichen that provides a good dating method. Also, some discovered tunnels have developed stalactites which produce accurate dating of 12,000 years or more.

This unbelievable data challenges current dogma and gives way to the credence that an ancient civilization prior to 11,700 years BP had developed skills and tools equivalent or better than our modern technology. It is obvious that this destruction occurred near the dating of the Great Deluge of the Younger Dryas. The demise of this civilization was due to calamitous events prior to or immediately following the flood. So indeed, the total destruction of Puma Punka is evidence that severe earthquakes, mudslides, and a sudden uplift of this Andes plateau, called the Altiplano, occurred. It is predicted that Puma Punka was very close to current sea level when the entire western South American shoreline, with sudden synchrony, uplifted to create the Andes Mountain range with high altitude plateaus. Puma Punka is believed to have lifted on a horst, or elongated block, from a level close to sea level to its present elevation of 13,000 feet.



The Altiplano of Bolivia and Peru Showing Lake Titicaca
(from geoscienceworld.com)



The Entire Andes Mountain Range was Suddenly Uplifted Together
(from Free World Maps Collection)

There is evidence of unexpected sea creatures in Lake Titicaca. Discovered species of seahorse, corals, and certain seashells could only come from ocean sources. The Altiplano Bolivian plateau and its lakes were originally near or at sea level gathering thick sediments of salt. Most of the Altiplano was covered by ancient Lake Tauca that included Lake Titicaca and Solar de Ulyuni, a huge salt flat. Sequential transformation of drainages between several vast lakes were dated as occurring in periods 13,000 to 120,000 years ago. The youngest prehistoric lake was radiocarbon dated to 11,500 to 13,400 years BP. These lakes were sometimes repeatedly refilled and then emptied to form ever thicker salt flats. About 14,200 years ago, lake levels dropped, before rising again until 11,500 years ago. During the Great Uplift of 11,500 years BP, Puma Punku was most likely easily reached from the ocean by bays and rivers. Ancient Lake Tauca may have continued until 8500 years ago. These changing lake levels provide proof that some dramatic climate and radical topographical changes occurred, most recently centered near the 11,500-year BP time period.



The Remains of Raised Lower-Altitude Lakes are Dry Deserts and Salt Flats; Solar de Ulyuni, a huge salt flat, is shown in the center of the Altiplano Plateau
(from Salar deUyuni Screenshot_Spng)

Slower, more continued uniform recovery took place until today. Specifically, the sudden rise of the Andes Mountain ridges and the Altiplano in Bolivia:

- 1 Caused a rain shadow due to recently risen ridges creating drought conditions on the eastern leeward side
- 2 Caused ground movements stopping drainage from the deepest Lake Titicaca
- 3 Caused partial tilting and/or damming in the plateau to drain or dry-up certain lake regions during different time spans.

These phenomena could have possibly occurred several times from 120,000 years ago causing the Andes Mountains to rise in several dramatic levels. The final calamitous step occurred 11,500 years BP near the time of the Great Flood. So, why did these mountainous ridges rise suddenly and together?

The model for this Great Uplift is given by the crustal/mantle shell (CMS) rotation causing violent subduction of Pacific tectonic plate boundaries, and the expansion of crustal materials due to thermal and phase changes postulated by Robert Johnston in his article: "Collaborating Massive Solar Eruptions Causing Catastrophism on Earth", published in the NCGT Journal, V2, No. 1, March 2014. My response to Johnston's article is found at https://www.ettingerjournals.com/dbe_solar_eruptions.shtml. The energy for these events is supplied by the increased solar winds and eventually the arrival of super-massive CMEs from the over-active Sun. The electrical energy supplied the heat energy along preferred conductive pathways at tectonic boundaries to decrease crustal material densities and raise the surface.

The magnetic energy of the CMEs caused the crustal-mantle-shell (CMS) to rotate causing a clash of vector forces to quickly move the South American plate above the Pacific oceanic plate. The destruction of Puma Punku, sitting on a plateau of a suddenly raised horst, can only be explained by these means. Other rapidly raised horsts are the Colorado Plateau at 6000 feet elevation that created electrical etching of the landscape that predates the Hopi people; Lake Texcoco at 7300 feet elevation near Mexico City that was drained and predates the Aztec with human occupation measured at 11,100 years BP; and, Lake Humboldt at 8400 feet elevation near Bogota, Columbia that was drained and had human occupation at 12,460 years BP. All these combined coincidences can only mean that a catastrophic uplift of the tectonic plates bordering the Pacific Ocean did actually happen.



Arctic Ocean Floor Showing Oceanic Ridges That Are Hypothesized to Have Released Super-critical Steam High into the Atmosphere During the Holocene Mass Extinction
(from natgeomaps.com)



Arctic Tundra and Boreal Forest in Siberia and Alaska That Once Upon a Time Were Temperate Forest or Grasslands Before Crustal/Mantle Shell(CMS) Rotation
(from pinterest.com)

Brown's analysis of "rock ice" corroborates his hypothesis extremely well. Rock ice is found in and around mammoth remains. This strange ice has a yellow tinge and rounded elongated bubbles with no dissolved air and easily-seen embedded dirt and plant particles. Brown attributes the yellow tinge to minerals that were pulled from the "hydroplate" reservoirs; the bubbles with no air is attributed to water freezing well above the atmosphere where little air exists; and, there is proof that the ice was never part of a frozen lake or stream since the organic materials would settle out before freezing occurred. Furthermore, frozen-food experts claim that to preserve the mammoth flesh, the outer layers of skin would have to drop suddenly to -150 to -175 °F. Such a required heat sink in a Siberian summertime can only come from the airless stratosphere which reinforces Brown hypothesis for "hydroplates" and my hypothesis that the entire region rotated into a new Arctic zone.

Massive lightning strikes occurred on the edges of the muck-fall storms due to static electricity of highly kinetic ionic ices and dust in the atmosphere. These high energy strikes caused massive fires on the fringe of muck-falls that are proven by carbonization of certain layers of sediment.

The final Flood would then extinguish these fires on the grasslands not covered by muck-fall.

The mystery of the mass extinction of many faunas in these regions at the beginning of the

Holocene era is resolved. Also, other megafauna in the United States of America were also driven into extinction due to other distinct calamities following the huge electric discharge over the Laurentide ice sheet. All these extinctions are roughly dated to have occurred during the same time period surrounding the boundary of the Pleistocene and Holocene epochs.

I. Sinking of the Land of Mu, Located on Large Island Chains in the Southern Pacific, Was Due to Sudden Elevation Changes in the Crust Created by the Rotation of Earth's Crustal/Mantle Shell



Mu is a name popularized as a lost continent by 19th century Augustus Le Plongeon who claimed Mu was the home of refugees who fled catastrophe and founded several ancient civilizations. The concept was expanded to include lost continents in the center of three oceans. Later the idea matured with James Churchward asserting this continent was in the center of the Pacific. (*Wikipedia/Land of Mu*)

This paper differs with these debunked concepts by having Mu as a cluster or series of both small and large islands formed by both raised oceanic ridges and isolated volcanoes in the South Pacific. These large islands were spread over an area now known as the Polynesian islands that exist roughly within a triangle defined by Hawaii, New Zealand, and Easter Island. There were no lost continents. The island sizes were greatly diminished by the events of a crustal/mantle shell rotation and the Great Deluge of 11,500 years BP. Modern geological knowledge that rules out “lost continents” does not pertain to this newest concept which accepts crustal/mantle shell rotation and the resulting sinking of islands.



GEOGRAPHICAL POSITION OF - MU. WHERE THE SACRED, INSPIRED BOOKS WERE WRITTEN. B.C. 24,000.
The Continent of Mu Envisioned by James Churchward



The Ocean Floor Shows Raised Ridges in the South Pacific Ocean that Were Once Part of Mu
(from earthymission.com)



The Polynesian Islands' Triangle Map of Today Are the Tips of Land Masses That Sank and Destroyed the Mu Civilization
(by pinterest.com)

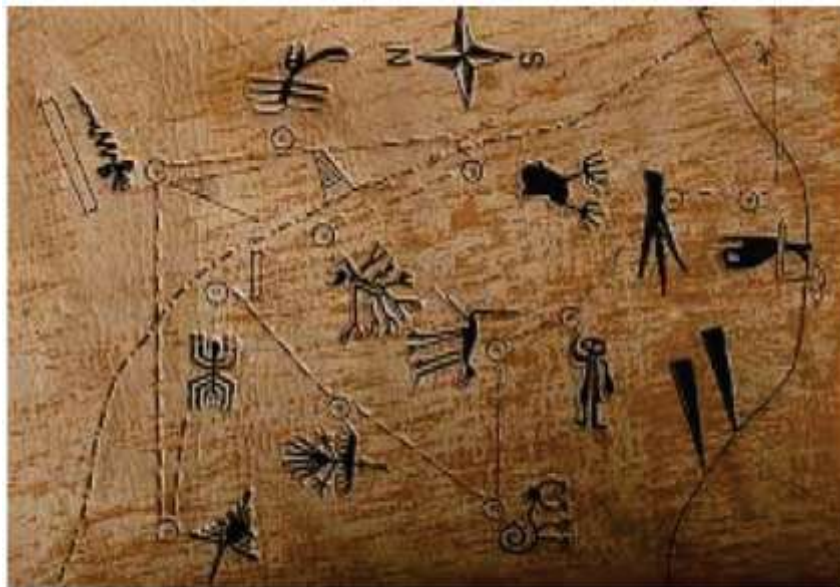
This highly advanced civilization of Mu, not assumed to be the origin of man's first civilization as with Churchward, communicated with other ancient civilizations in the Americas, Indonesia, and southern Asia during its existence. Today's Polynesians are partially descendants of these peoples. Transfer of knowledge between these Polynesians and peoples in Central America (the pre-Mayans and pre-Aztecs) and the pre-Inca of South America is recounted by the characteristics of their sculptures, DNA origins, and traditions telling similar stories.

Survivors of the Great Deluge on Easter Island had delusions and yearnings for the Mu leadership returning to their island and thus re-acquiring their past glory. An obsession

developed for making huge stone statues of “ahus” and “moais”. These Easter Island people used their fading memories of past technical knowledge to honor and welcome the returning Mu people and the spirits of ancestral leaders. In doing so, they depleted all resources of wood by cutting down all the island’s trees. These people were then trapped on Easter Island because of its remoteness and having no more materials to build boats or materials received from trade. When they first saw Europeans, they rejoiced seeing boats made from wood arrive on their shores. Robert Schoch, a renowned geologist, determined that moia sculptures buried to their necks is the result of thousands of years of silt build-up that can easily date the island’s inhabitants to pre-deluge times.

The Nazca people in Peru lived on the suddenly raised Nazca plateau during the Great Deluge period. They created large geoglyphs on the dry desert surface with lines of rocks and removed surface soil that could only be seen from a great height. They were hoping to signal the returning and remembered gods of Mu. Perhaps the people of Mu had knowledge of and used flying craft that prompted the Nazca people to make large animal pictorials only seen from the sky. Their progenitors left possibly because of impending disasters – never to return – leaving the people confused. Like modern day cargo-cults they tried to call their Gods by drawing lines, trapezoids and figures.

Not as well-known are similar surface geoglyphs in California. The same cultural ideas for communication possibly collaborate that the people of Mu had contact with coastal peoples of both North and South America and possibly Meso-America.



Complex of Pictorials on the Nazca Plateau
(from peruadventuretours.com)



Nazca Line Pictorial of a Spider
(from images by express.co.uk)

The pre-deluge equator rotated about the center of these islands in the South Pacific during the crustal/mantle displacement. This rotation of the region caused the sinking of oceanic crusts due to the lessening of centripetal forces because the equator was now moved away some distance either north or south. This subsequent crustal upheaval increased volcanic activity causing lava flows on top of the oceanic crust to further sink the islands. And, then the final global flooding occurred, which over time sank the islands even more due to isostatic loading; in many cases the islands would rise again to greater heights above ocean level after the flood waters receded. The oceanic crust and the islands on top rose due to the lessening of the water's isostatic loading.

Numerous Polynesian traditions corroborate this concept of a sinking Mu. Samoan islanders remember both the sea rising and the sinking of the land. The new earth then arose from the womb to create the existing islands, which is technically possible as previously mentioned. Tahitian tradition disclosed disobedience to their main god, Taaroa, who then sank Earth below the sea leaving behind a few "aurus" (projecting points) which comprise the present cluster of islands. The ancient Hawaiians speak of lands stretching almost connected from their islands to Samoa, Rarotonga, Fiji, and reaching as far as New Zealand. All these island groups were called by one name, Ka-houpo-o-Kane. (traditions taken from the book *Cataclysm!* By Allan and Delair)

The most recent claim for Mu is the sunken realm of megalithic structures located off the coast of Yonaguni Island, near Okinawa in the East China Sea. These massive blocks of rock with right angles and parallel surfaces are on average 100 feet below sea level. A Japanese scientist, Masaaki Kimura, believes he can identify a pyramid, castles, roads, monuments, and a stadium; he surmises that this submerged complex may be part of the mythical Mu. (from *Wikipedia/Mu (lost continent, and /Yonaguni Monument)*) The general sinking of this global region is expected technically since these underwater ruins are located on the ancient pre-deluge equator. When the equator moved about 25 degrees latitudinally northward, the surface of the crust sank predictably hundreds or even a few thousand feet and rested below current sea level.

Geologically, the Tongan Islands are either a limestone base created from an uplift of coral formations or a limestone overlaying a volcanic rock base. This fact makes these islands some of the oldest in Polynesia (from *Wikipedia/Geography of Tongan Islands*). Coral reefs are normally generated underwater surrounding a rising volcanic island and when the central volcano sinks due to isostatic loading coral buildup can begin to fill-in the center of the island. Then an

unexplained uplift of this island cluster created the present geological conditions which take much more than 10,000 years to perform - unless some catastrophic conditions ruled. The Tongan islands display the dynamics of sinking and rising islands in the Pacific - from the weight of volcanic islands sitting on oceanic crust; from the vertical crustal movements due to the rotation of the crustal/mantle shell; and, from the Great Deluge with the resulting isostatic vertical motions of the crust.

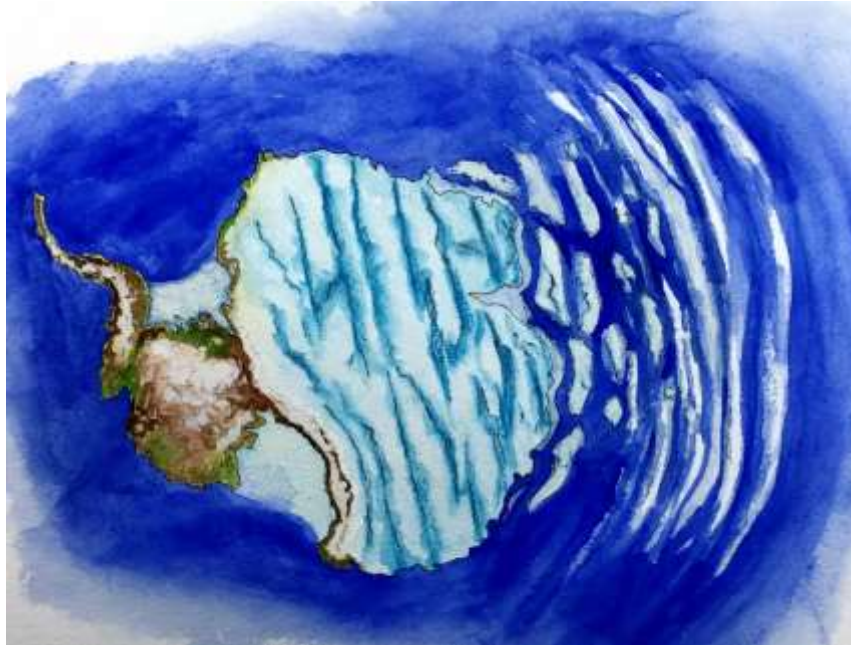
Archaeology of Samoa uncovered major findings of buried settlements, stone and earth mounds, Lapita pottery remains, and pre-historic artifacts dating to 10,000 years or more. The mounds (some partially or fully submerged) are rectangular pyramids, truncated with steps with some that are star shaped. Their official dating is more than 2000 years old and are known to be built over much older structures. The largest mound, and most ancient Polynesian structure, is Pulemelei or Star Pyramid that measures about 346 ft. x 314 ft. by 40 ft. high (*Wikipedia/Archaeology of Samoa*). The culture's infrastructure can only be thought as a smaller imitation of other known ancient civilizations, with megalithic structures throughout the world, that were all tragically destroyed by the Great Deluge.



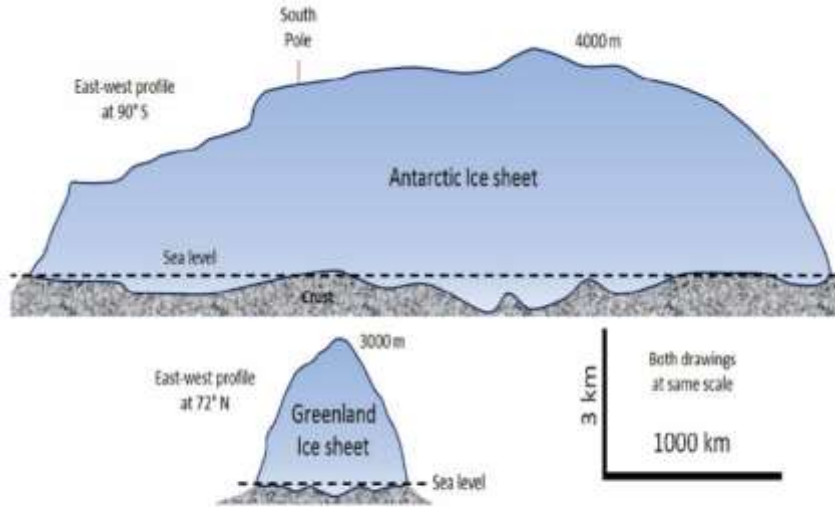
The Star-shaped Pyramid or Pulemelei Mound Built from Basaltic Stone
(from www.wmf.org/Pulemelei Ancient Mound)

Densely populated, inland, prehistoric settlements on Samoan and Tongan islands had stone walls and raised walkways and platforms. These settlement patterns occurring inland were followed by later settlements along the coast after the earliest European arrival. Why did these island people prefer this predominant pattern of inland settlements? Possibly, their traditions of a great flood kept them from building more permanent structures along the coastline. Oral traditions made the Great Deluge all too real and always threatening for these islanders.

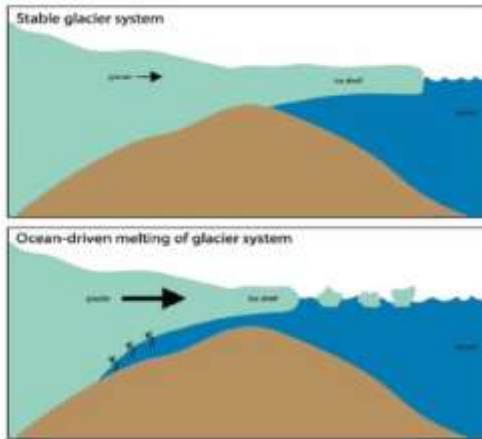
J. East Antarctica Ice Sheet Calves and Slides into the Ocean because the Underlying Crust Sank, Causing the Ice to Slip on the Phase Transition of a Slushy Boundary, and Begin Floating; the Ice Sheet Thereby Released its Connection to the Land and Began to Float Causing the Ocean to Rise



Antarctica is the seventh continent, centered on the South Pole at the Earth's spin axis. During pre-deluge times, the Pole was positioned off East Antarctica's shore in the Southern Ocean toward Australia. West Antarctica did not have large ice sheets, being far enough from the Pole. However, Tasmania and southern New Zealand had ancient glaciers, due to their closeness. During the crustal/mantle shift of 25 to 30 degrees which moved the East Antarctica landmass over the unaltered spin axis, the crust sank below ancient sea level. The landmass elevation dropped because the Earth's geoid, or previous oblateness, abruptly caused the crust to drop by one to two miles. Due to a slush layer created by phase changes of high pressures located deeply under the ice sheet, the ice became unstable and started to slip on this slush, almost with a smooth shear boundary. Dynamic lateral forces and the rising ocean lifted and slid large parts of the ice sheet into the ocean, causing humongous calving of pieces larger than the land areas of typical states of the USA. The ice being 3 to 4 miles high left the support of the land mass and began floating on the ocean. Quickly, sea level rose globally like dropping ice cubes into a glass of water. The resultant deluge would submerge the world's land masses at lower elevations. Most of mankind's developed civilizations was inundated by an estimated 395 feet rise above pre-deluge sea level, which was then approximately minus 120 feet from today's sea level.



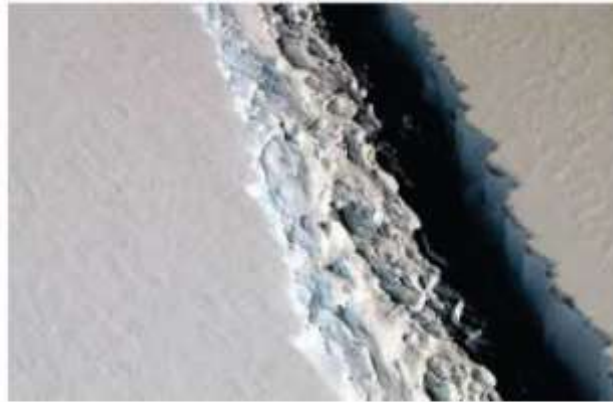
Present Ice Sheet Profiles
(from courses.lumenlearning)



Effects of Seawater Undermining Ice Sheet
(Antarctic ice-sheet dynamics from link.springer.com)



Examples of Ice Sheet Splitting Apart and Moving Laterally
(Greenland ice sheet fared in 2017 from carbonbrief.org)



Giant Antarctic Ice Shelf Crack
(from scientificamerican.com)

This dramatic flooding has been recorded on all continents by most cultures in their traditions and legends. The well documented Holocene extinction event of 11,500 years BP was aided by this catastrophe, among other calamities that occurred. In the following several hundred years the ocean receded, as the waters were recycled by evaporation and condensation, to replenish ice sheets on Greenland, on both East and West Antarctica, and build an ice cap over the Arctic Ocean. Ice core data of East Antarctica gives dating of deep ice being about 800,000 years old, but this ice is below the slush layer that remained on land. The land mass dramatically rebounded above sea level after the weight of most of the ancient ice sheet was gone.

K. Squatter or Stick Man Creates Buttes and Pinnacles in the Southwest by Electrically Sputtering Even Layers of Rock and Depositing the Generated Ionic Charged Dust into Adjacent Regions where it Re-Crystallized into Distinct Substrates



The United States Southwest has very startling and puzzling landscapes. Existing today are unexplained buttes and pinnacles, like those in Monument Valley. There are hoodoos, blind holes in cliffs, and arches like those in Arches National Park. There are perfectly horizontal layered distinct sediments with volcanic materials between sandstone layers, and dense stony aggregates lying between finely grained sandstone, like those seen in Canyonlands, that make no sense when considering their timeline. Recently, many scientists now attribute these formations to powerful electrical phenomena and not from the consensus, standard model of wind and water erosion.

But it must be understood that a rapid series of events creating these landscapes occurred both before and then following the Great Deluge. The global flooding never touched these areas, due to their higher elevation, but subsequent immense electrical storms did continue throughout the deluge period at the end of the Pleistocene to completely drive the local fauna and Clovis people into extinction.



Monument Valley displays sandstone buttes and pinnacles setting on top of sediments of sandstone surrounded by a very level plateau. The buttes have caps of similar stone at the same elevations. No wind or water erosion or volcanoes caused these structures.
(from ar.wikipedia.org)



Arches, hoodoos, and horizontal holes were photographed at Arches National Park. These rock structures appear to have been very soft like putty before crystallizing into hard sandstone. Electrical energy and ionic diffusion are possible causes. Electrical current discharge between a conductive aquifer and a lowered ionosphere caused materials to rise like a fountain to form these hardened hoodoos.

(photographed by D. Ettinger)



Immense electrical dust storms 10 to 100 times the power of normal lightening sorted and layered materials on top of pools of water or underground aquifers that then blew holes into the sides of forming cliffs.

(photographed by D. Ettinger)



A view of Canyonlands shows the dendritic excavation of material that can only be created by powerful electrical discharges between conductive layers in the crust and the charged ionosphere. The sputtered materials are then evenly deposited elsewhere possibly creating higher layers of sediment as is shown in the photograph.

(photographed by D. Ettinger)

The sequence of events that causes the American Southwest's topography may have repeated itself at other times, spanning millions of years prior to the Holocene time boundary, which is now described. A high energy glowing plasma thunderbolt struck the pre-deluge north polar region and unleashed strong electrical currents along waterways, coastlines, and plate tectonic boundaries, where the most conductive conditions and pathways existed. One such tectonic boundary bordered the Pacific plate that ran continuously from Alaska to the southern tip of South America. The global surface and sub-surface electrical currents were attracted to the more conductive regions of smashing tectonic plate boundaries, the heated Moho layer beneath these regions, the surface lakes, and subterranean aquifers of the already existing raised plateaus - thereby providing feedback for evermore conductive properties and the ever-increasing attraction of electrical current. The Southwest was especially conductive being close to plate boundaries, being elevated toward the electrified ionosphere, and having aquifers both on the surface and in subterranean pools formed by melting mountain glaciers in the northern Rocky Mountains.

The electrical heat thermally expanded the underground crust in these formations, ionically producing new chemical compounds by decreasing the density of certain species of minerals. Large regions of this plateau would then dramatically increase in volume rising evenly together to the elevations of today. The overactive Sun kept generating more solar wind which kept feeding the Earth's polar region and sustaining electrical current with high voltages along increasingly conductive and hotter pathways.

Then another highly improbable event quickly followed. The Sun released super-massive corona mass ejections (CMEs) which were aimed, unfortunately and randomly, toward the Earth. This highly dense and magnetic structure of charged ions and electrons washed over the Earth's protective magnetosphere and shrank it until it contacted the ionosphere. Then the charged particles created a ring current, approximately around the Earth's elliptic plane, and magnetically pulled the Earth's crustal/mantle shell (CMS) into alignment, since its magnetic field was aligned along the spin axis that was oriented about $23 \frac{1}{2}$ degrees to the elliptic plane. This re-alignment probably took place for four hours or more and caused the oblateness of the Earth to change over a comparably short time. The new geoid, or oblateness, created both

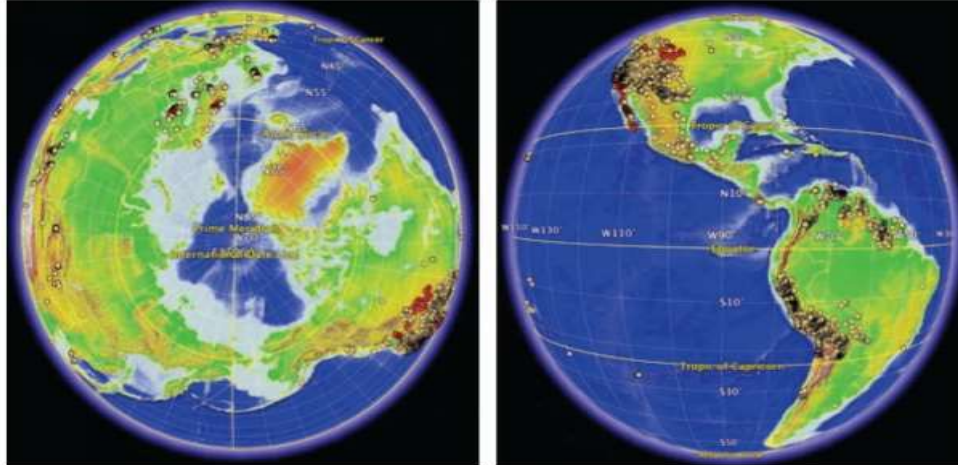
lateral and vertical movements in the crust on top of the overheated and now slippery, less viscous, Moho layer.

The more important issue for the Southwest is that it was elevated and acting like a lightning rod with the overly charged ionosphere. The Rocky Mountain plateau had an extremely heated and highly conductive aquifer along with the ionic diffusion of subterranean materials. This combination would lead to the break-down of the atmosphere's dielectric properties between the now lowered and highly charged ionosphere and the very conductive crust. The breakdown is comparable to large currents discharging between two capacitor plates and being constantly fed by huge energies supplied by one or more of the Sun's super-massive CMEs (estimated at 1×10^{39} ergs each) that traveled to and enclosed the Earth's atmosphere.

These sustained discharges between the so-called capacitor plates would be comparable to lightning bolts 10 to 100 to 1000 times the scale of today's lightning. These high voltage currents formed magnetic fields and glowing plasma configurations in the sky that appeared to surviving witnesses as immense stick men or squatter men standing on the ground with several raised arms and squatting legs. These stick men had glowing heads at their terminations in the clouds. To the human survivors these stick men appeared as giant gods walking on the land and destroying everything in sight. The stick men's feet were sputtering the plateau surfaces fairly evenly as they ejected each layer of sediment high into the atmosphere. These charged sediments would then land elsewhere to form other harden coalesced sediment beds of uniform layers. As the materials cooled re-solidification of the rock matrix took place.

In many places, as the level plateau was being etched, larger electrical currents would break through from below the surface to form gushers of molten rock which formed buttes or fulgurites. Fulgurites today are created by lightning fusing vitreous materials formed of sand and other sediments. Also, hypothesized is that special caps of sediment above these buttes and pinnacles were already hardened and changed ionically to resist the etching process thus allowing these small areas to remain at their present elevations creating the buttes we see today. Whichever model is correct – fulgurite formations or a shielded etching process –, nevertheless, high energy electrical discharges were responsible for this amazing landscape.

Proof of these stick men is recorded not only in the Southwest but world-wide. There representations are drawn on cliff and cave walls and are coincidentally very similar. This primitive rock art, called petroglyphs, are found well distributed in the Earth's middle latitudes along elevated landmasses as is shown by the following map.



World Map Showing the Known Locations of Stickmen's Petroglyphs.
(from www.plasmauniverse.info/Near Earth)

The locations reveal lower latitudinal and equatorial regions that do not identify with any polar regions. This rock art is found mostly in high plateau mountainous regions which act like lightning rods. These high spots are not only closest to the upper dusty atmosphere and highly charged ionosphere but are directly sitting on electrically conductive subterranean wet and molten crust. These witnessed stickmen represent the break-down of the atmospheric dielectric characteristics and the sustained discharge of high voltage current between the ionosphere and high plateaus being etched or sputtered away. The specific glowing plasma configuration is sustained by magnetic fields forming around strong Birkland currents linking the ground with the lowered ionosphere.



Some Rock Art of Stickmen with Multi-arms at Lower Left Side Photographed in the Upper Colorado River Canyon.
(photographed by D. Ettinger)



These Australian petroglyphs, unlike stickmen, probably represent polar electrical discharges where witnesses had the vantage point of looking more upward into glowing plasma instead of sideways. Also, polar discharges would be configured differently.

(from www.australiangeographic.com.au)



Similar petroglyphs discovered throughout the world that represent the stick or squatter man which resemble a unique plasma discharge configuration. These plasma configurations can be produced amazingly in present day laboratories between two oppositely charged plates.

(from [The Squatter Man-Plasma Connection](#) by [ancientexplorers.com](#)) and (from [Oldest Petroglyphs Discoveries](#) by [viewzone.com](#))

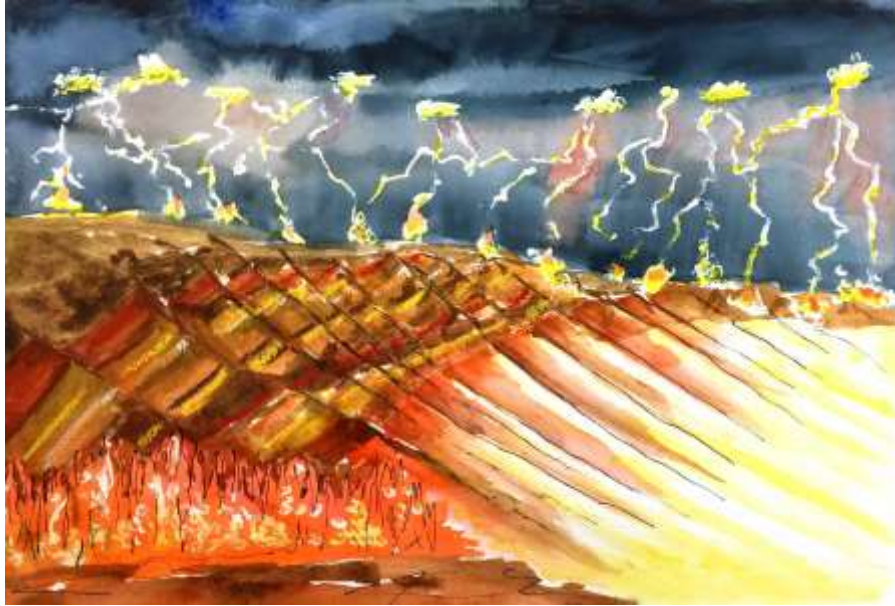
A technical analysis and breakdown of the stick man is found through experimentation in a plasma laboratory. The body represents plasma filaments called Birkland currents that have a spiral of ions separated by a spiral of electrons moving in opposite directions. These currents separate near their source in the ionosphere and their terminus on ground looking like arms and squatting legs. A self-constricting ring of magnetic field forms around these currents to create diocotron instability or electron vortices. This plasma instability is a region of turbulence that changes through different forms due to the temperature, density, electric field strength, and magnetic field strength. A so-called "sausage" instability displays harmonic variations of beam radius along the beam axis. The survivors of these horrendous electrical storms could only see the brighter cross-sections, which appear as multi-arms and/or circles of axial hollow toroidal shapes symmetrically placed on each side of the stick man's body.

The base or feet of the stick man are continuously etching or sputtering away the ground surface as the Birkland currents move laterally across the surface. The excavated materials are electrified, launched high into the atmosphere, and deposited at large distances away to form other plateaus with fairly level and even sediments, as are seen in Canyonlands. This charged rain of dust and rock covered aquifers and lakes that then belched and burped viscous hoodoos, arches, and blind holes in cliffs as are seen in Arches National Park.

The Southwest is proof of a highly electrified crust and ionosphere. Such a required large energy source can only be external to the Earth. The energy source must come from the Sun in the forms of energetic solar winds and corona mass ejections (CMEs) that were aimed at Earth. The connection between these stick men and the global deluge is the immense power that is made possible by these CMEs. This estimated power of 1×10^{39} ergs creates a magnetic ring around the Earth along the elliptic plane to jerk the Earth's spinning magnetic dipole and rotate the crustal/mantle shell (CMS) by about $23 \frac{1}{2}$ degrees to align with the CMEs magnetic ring. These estimated power values have more than ample energy to change the angular momentum of the CMS. Consequently, a reason is given for the change in the Earth's oblateness that in turn changes the polar regions and causes the East Antarctica ice sheet to slip into the ocean.

The Southwest terrain and the stick men are a direct link to the Great Deluge. The extinction of the Clovis culture and the link of Southwest's rock art carvings took place around 10,800 to 12,800 years ago which encompasses the time period for the postulated Younger Dryas era and the Great Deluge. Each petroglyph site records a certain plasma event according to the unique angle of observation. A system of phonetic sound symbols (an alphabet) is associated with certain petroglyphs that produce reasonable translations using a proto-Canaanite language. The translations describe the need to take shelter from a painful vertical light and a poison coming from the sky. Hopefully, the Sun stays less violent and friendlier in the future when the Nemesis brown dwarf star visits again.

L. Flatirons Rocks are Formed from High Energy Plasma Electric Storms that Traveled Supersonically Bouncing Off Ridges; an Electrical Capacitance Was Formed between the Ionosphere and Highly Conductive and Recently Raised Mountainous Plateaus; Electrical Polarities between Regions Acting Similarly to Battery Terminals were also Largely Responsible



Throughout the world there exist strange rock formations called flatirons that are strangely similar and occur repeatedly in a line across one side of a mountain ridge. These rocks are generally almost vertical cliffs but slanted between 90 to 45 degrees. Their shapes are like the bottoms of old fashion clothing irons, thus their name derivation. Many of these formations have striated coloring that remains the same for entire groups of flatirons. Some of the better-known formations are shown below.



Flatiron rock formation in the state of Colorado.

(see <https://www.bouldercoloradousa.com/things-to-do/insider-guides/flatirons/>)



Flatirons in the Serranía de Hornocal of Jujuy Province, Argentina showing even continuous striations of colored layers.
(From Wikimedia Commons, the free media repository; File:Serranía de Hornocal up close near Humahuaca.jpg)



Flatiron range just outside of Boulder, Colorado
(Copyright (C) Michael Collier; hosted on the AGI Earth Science World Image Bank)



Example of Charged Ionic Dust-laden Winds Re-depositing Horizontally
(1280px-Quebrada_de_Cafayate,_Salta_(Argentina))



These flatirons look like stacks of pancakes standing on their ends.

Very little consensus exists to explain these colossal natural monuments. Geologists generally claim that vertical sediments of sedimentary and/or metamorphic rock were caused by the opening of faults in the crust thereby causing these rocks from above to fall on their sides. Geologists' explanations are very weak in helping us understand how continuously identical flatirons are aligned and piled against each other having consistent shapes and layers of separated colored minerals. Without allowing for electrical phenomena for causes explanations are not plausible.

Andrew Hall (<https://www.thunderbolts.info/wp/2016/05/11/arc-blast-part-1/>) has studied these formations near his home in the southwestern United States and concludes they result from arc blasting or catastrophic mega-electrical events occurring close to the Earth's surface. Hall uses terms such as ionic storms, energetic ground currents, vortex winds of Marklund convection, and supersonic tsunami-like winds of dust which move horizontally and strike the sides of highly charged existing mountain ridges. The ions, being electrically heated, separate into certain molecular structures to create the layers of color striations. The usual triangular shapes are caused by the transient effects of unstable wave forms and reflecting shocks which can be reproduced in the laboratory. No means of wind or water erosion or rockslides can explain these even, almost vertical, series of flatiron configurations.

Hall shows wind tunnel experiments that produce sand dunes with the same triangular wave forms as flatirons. "U-tube" wind tunnel videos show sonic winds forming triangular and diamond shaped standing waves. Hall claims these pressure patterns in the shock wave are incredibly unique and surely cannot be called a coincidence. Hall considers these experiments as proof of his theory about flatirons. But of course, a high energy plasma environment is required, which is indeed postulated by Robert Johnson and his cited Gold Theory, that a super-mega solar corona mass ejection washed over the Earth's magnetosphere, which then collapsed and pushed against the ionosphere.

The buttes and pinnacles of the Southwest topography are formed by arc plasma blasts between the ionosphere/charged cloud cover and the conductive ground surface that looked like stick or squatter men to the few well located human survivors. But it is not known whether any petroglyphs represent the horizontal electrical storms that created flatirons. The ensuing dust created by their etching and sputtering of stick men on the surface then blended with normal local weather cells and electrical fields to create supersonic horizontal dust winds that moved between voltage differentials similar to the electrical current moving between two battery terminals. When the charged, heated ionic dust struck various mountain sides, flatiron rocks began to form with the cooling and crystallization of the ionic dusts, into even almost vertical layers. The triangular formations were created by the dynamic interaction of the winds vibrating and bouncing backward similar to what is seen in wind tunnel experiments.

Part of the physical process was diffusion of the dust materials which created the beautiful multi-colored layers of rock that are parallel to the flatiron surfaces. Diffusion is the kinetic process that leads to the homogenization or uniform mixing of chemical components in a phase. This mixing in a liquid or gas phase occurs on many length scales. When induced by macroscopic flow, diffusive mixing in solids, by contrast, occurs only on the atomic or molecular level. But, as time increases, the length scale can extend to macroscopic distances. A typical 1000 feet of overburden could be scoured easily over extended times.

Further proof of such phenomena is shown to occur on Mars. The atmosphere is 100 times thinner on Mars, 75° C colder, and totally dry. However, Martian dust storms are larger than any observed on Earth. Occasionally, dust obscures the entire planet. How is this dust transported without the medium of a dense atmosphere? A NASA study of dust devils in the Arizona desert found electric fields more than 10,000 volts per meter. A normal fair-weather electric field at the Earth's surface measures 100 to 400 volts per meter. Mars has no thunderstorms to release charge into its ionosphere. Electrical energy accumulates between the Martian surface and its ionosphere like a "planetary capacitor" until the meager atmosphere finally discharges creating whirlwinds or tornadoes of dust moving along the surface and reaching very high into the ionosphere. See "Dust Devils on Earth and Mars" by Deborah Byrd in "Earth", September 18, 2017 found at <http://earthsky.org/earth/dust-devils-earth-mars-5-year-study>.

This type of electrical discharge will create fiercer kinetic motions of dust in a thicker, wetter, lowered atmosphere of planet Earth. The energy stored in Earth's "planetary capacitor", if certain conditions merge, can easily create horizontal electrical supersonic dust storms that will move many hundreds of feet of sediment, chemically rearrange the atoms, and deposit the material on mountain sides forming flatiron rock cliffs.

There were most likely no surviving witnesses to observe such monstrous turmoil. Any life close

to or in the path of this type of electrical storm would be totally obliterated. Humanity can only see its aftermath when viewing such beautifully, naturally formed monuments as these flatiron rocks.

V. Afterword

You have completed a summary and preview of the Great Deluge. Please take the time to read the main book and delve into all the details of evidence and logic that supports the cataclysm that ended man's Golden Age in the ancient past.

VI. About the Author

The Moon-Earth enigma has been a lifetime pursuit since the mid-80s for Doug Ettinger, born in 1944 in Pen Argyl, Pennsylvania. Doug graduated from Lehigh University with a B.S. in mechanical engineering and has retired after a 22-year career in nuclear engineering. He has two sons and currently lives in Pittsburgh, Pennsylvania, with his significant other, Rhonda Smith. Some of his main interests and distractions are snow skiing, hiking, kayaking, sailing, bicycling, tennis, ballroom dancing, movies, and chess.

Since posting my original journals and some subsequent editions in 2013, many new developments and ideas have occurred. Also, some PowerPoint presentations have been included to aid teachers who wish their students to sometimes think outside the present box of paradigms.

Special attention was given to the Sun's sister star, currently named Nemesis, which at the time, was being hunted by space telescopes. I wanted better reasons for mass extinction events. The accepted notion of a very long period star orbiting the Sun and infrequently disturbing an imaginary Oort Cloud of comets was not believable or proven. NASA has recently revised or given-up their model. The disturbances of this star are now considered to be perturbations of the newly discovered Kuiper Belt objects. Doug slowly and cautiously became convinced that a much closer, very dim, brown dwarf star orbited the Sun and intersected the orbits of the Sun's planets, causing occasional chaos. The underpinning of this idea originated with Zecharia Sitchin's book, *The Twelfth Planet*, that involved a planet with moons that orbited the Sun every 3600 years.

Doug adapted part of his idea by making Sitchin's intruding planet become a brown dwarf star with its own set of planets. This idea easily dovetailed into his postulation of "Earth's Metamorphosis" found in his original journal. The Earth's "Great Deluge" is linked with one of Nemesis's crossings of the inner solar system, which is well dated at 11,500 years BP, at the end of the Younger Dryas geological period. This led to investigating other crossings at approximate intervals of every 3600 years in the journal "A Brief History of Mankind's Chaotic Past".

Subsequently, Doug discovered the ideas formulated by a group of independent scientists called the "Electric Universe". Their concepts unbelievably corroborated his journal by indicating an electrified and magnetic brown dwarf star periodically enters our solar system. This star, and/or its planets, interacts with the Sun's planets, producing scarring and giant pitting through gigantic arc discharges that are readily observable with NASA's space probes. The "Electric Universe" also provided a convincing dialogue, via comparative mythology, that humans witnessed and recorded some of these events.

After taking an Alaskan cruise and talking with the indigenous people, called the Tlingit, I learned that their very distinct tribal cedar dug-out canoe docking systems are found not only at sea level, but at locations about 100 to 150 feet above the ocean on the mountain side. The Tlingit flood tradition and this recognition triggered my next journal "The Great Deluge: Fact or Fiction". I combined the ideas of other books written about the Flood, including the exclusion of some of their incongruent arguments. I added the idea that one of Nemesis's planets had a close encounter with Earth that caused many calamities, such as a huge arc discharge that destroyed the Laurentide Ice Sheet and initiated the Noah Flood. This similar flood tradition is undeniably found throughout the world.

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