

CATASTROPHES & COMETS OF THE 1700'S

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eBook source

THE ELECTRIC UNIVERSE

A verse in book I of Rigveda mentions a cosmic tree with rope-like aerial roots held up in the sky. Such an imagery might have ensued from the appearance of a comet having 'tree stem' like plasma tail, with branched out portions resembling aerial roots. Interestingly enough, a comet referred to as 'heavenly tree' was seen in 162 BC, as reported by old Chinese records. Varahamihira and Ballala Sena listed several comets having strange forms as reported originally by ancient seers such as Parashara, Vriddha Garga, Narada and Garga. The Mahabharata speaks of a mortal king Nahusha who ruled the heavens when Indra, king of gods, went into hiding. Nahusha became luminous and egoistic after absorbing radiance from gods and seers. When he kicked Agastya (southern star Canopus), the latter cursed him to become a serpent and fall from the sky. <https://arxiv.org/abs/1704.00722>

The Electric Earth

From Andrew Hall: "A Langmuir sheath like that surrounding the Earth – the magnetosphere – forms a double layer of magnetic fields with plasma current sheets sandwiched between. The sheath protects Earth from direct electrical interactions, shielding us from cosmic radiation and solar flares. However, if a foreign body such as a planet, or comet with a different electrical charge penetrates the double layer, electrical discharge will occur.

The interactions can occur at huge distances. The magnetosphere is stretched into a teardrop by the flow of Solar winds. The Earth's plasma

sheath forms a tail which stretches all the way to the moon. Comets likewise have tails of plasma streaming away in the solar wind, as do the other planets and moons in the solar system. Electromagnetic interactions begin when the plasma sheaths interact, meaning the foreign body can be millions of miles distant when its plasma sheath interacts with the Earth's plasma sheath. Solar effects may aggravate the event further, adding unwanted energy to the magnetosphere, because the Sun, too is reacting to the foreign body. Dramatic evidence of the electromagnetic effect of two bodies of dissimilar charge coming together. The Sun issues a massive electromagnetic discharge (coronal mass ejection) in response to a comet which was just a tiny spec in relation to the Sun's size and mass. This is due to the extreme energy released by the electrical potential of the bodies as they connected. Any close pass of a large body within the planetary region can generate severe electromagnetic storms on Earth without impacting Earth, or even scraping the atmosphere. Current enters at the polar cusps (the magnetic poles) and is also induced by currents in the magnetosphere. Increased current in the magnetosphere will increase current within the Earth as well – it is all connected circuitry.

An electric field, along which current flows, is like water in that it takes the path of least resistance. But unlike water, electricity does not obey gravity. Its force is 39 orders of magnitude greater than gravity, so gravity is inconsequential. For electricity, the path of least resistance is the path of highest conductivity. In solids, conductivity is greatest in solid metals like silver and copper, because they feature an atomic lattice structure with an abundance of free electrons. In ionic material, like water containing salts, ionized gases, or compounds of molten fluid metals, a net motion of charged ions can occur. This is electric current by ionic

conduction – also known as plasma. Inside the earth, magma is a conductive plasma...

Volcanic lightning is evidence of the electrical nature of volcanoes. The cause of volcanic lightning is thought to be static charge buildup in the ash cloud, similar to how thunderstorms are believed to result from static charge buildup from colliding ice particles. But according to Martin Uman, co-director of the University of Florida Lightning Research program, based on his observations, static buildup can't explain the energies involved:

"As the plume started going downwind, it seemed to have a life of its own and produced some 300, more or less, normal [lightning bolts] ... The implication is that it has produced more charge than it started with. Otherwise [the plume] couldn't continue to make lightning."

The energy for the lightning is coming from ionized magma. Because magma is a plasma, the paths of least resistance for current through the crust are the magma chambers that produce volcanoes. In fact, a volcano should be considered the blister of an anode carrying current.

During a severe geomagnetic storm, whether caused by the passing of a large comet, a planet, or a solar super-flare, currents ramp-up throughout the system. Magnetic fields intensify and voltage differentials increase. The normal paths of electrical discharge between earth's crust and its conductive plasma sheath respond. Conductive paths in crustal faults stimulate earthquakes. Magma becomes energized, heating and expanding, causing volcanoes to erupt. Thunderstorms and destructive winds are amplified. These are the catastrophic disasters that follow signs in the heavens. <https://thedailyplasma.blog/2016/02/27/leviathan-part-two/>

Noah Webster on the Electric Universe:

Samuel Noah Webster, c. 1780. Was studying the relationship that comets had to the appearance of pandemics, plagues & other catastrophes the world was experiencing during his lifetime (like famines, earthquakes, volcanic eruptions, extreme weather, revolutions, made a list of comets recorded since ancient history and related phenomena taking place shortly before or after the appearance of Comets. Due to the unbelievable amount of comet sightings during the 1700's I won't go into the details of the or all the worldwide catastrophes & wars that took place during that century, or diseases (which can be found in his book):

"A BRIEF HISTORY OF EPIDEMIC AND PESTILENTIAL DISEASES; WITH THE PRINCIPAL PHENOMENA OF THE PHYSICAL WORLD, WHICH PRECEDE AND ACCOMPANY THEM, AND OBSERVATIONS DEDUCED FROM THE FACTS STATED."

<https://quod.lib.umich.edu/e/evans/N27531.0001.001?rgn=main;view=toc>

Byzantine History. (3. 293. Procop. de bell. Vandal. lib. 4.)

Gibbon stated: It is remarkable that tradition has preserved a faint account of a similar phenomenon, during the approach of the same comet, at the time of the **Ogygean inundation of Attica**, before Christ 1767. *Note: Venus, approached twice during the Exodus & Ogygean flood (& Phaeton's conflagration) in 1450 & 1500 BC. The Flood of Ogyges, took place circa 1500 BC in the days of Joshua, according to Calvisius, in Opus Chronologicum (1629), assigns the year AM 2429 (1519 BC) to Phaethon's conflagration, and AM 2432 (1516 BC) to the Flood of Deucalion, and 2453 (1495 BC) to the Exodus (see Velikovsky's Worlds in Collision).

It is said, that the planet **Venus changed her colour, size, figure & course**. An account is preserved in tradition, of a phenomenon of the same nature, **during the approach of the same star, in a subsequent revolution**. Pliny, as I have already remarked, mentions a similar phenomenon, about the

time the same comet appeared, soon after the death of Julius Caesar. The year B. C. 44 was distinguished by the death of Julius Cesar, by the hands of conspirators; soon after which appeared a comet, **supposed to be the same which appeared in 531 AD and 1680 AD whose period is calculated to be 575 years. In 531 appeared the resplendent comet, whose revolution is fixed at 575 years, supposed to be the same comet. (Was the planet Venus, seen as a Comet during the time of the Exodus and Moses; seen again but not as close as before as the Comet of 44 BC, when Julius Caesar was depicted as Transfigured into an 8 pointed star -the symbol of Venus approaching Earth once again?)**

The close approaches must have caused orbital changes to Earth requiring Calendar changes in 44 BC with the Julian Calendar, in 525 AD? The Anno Mundi was replaced by Anno Domini (Year of our Lord.)

When we survey the uniform effects of comets in tempests and floods, and compare the traditional account of that event with the terrible inundations which have happened in Greece at other times, and especially with that in the time of Thucydides, which rent or sank Atalanta from the main land; which events all took place during the approach of comets; we are constrained to believe the fact of the Ogygean deluge, and fable rises to the dignity of authentic history. This inundation might have happened during the approach of some other comet, but the probability is, that it was during that of the comet under consideration.

Gibbon describes the formidable and destructive calamities, which afflicted the whole earth in the 6th century. See his history, vol. 4. ch. 43. Not long after the approach of the comet (Venus?) in 531, the sun assumed a pale colour, and shone with a feeble light. During the whole year, the sun gave a gloomy light, like the moon, and appeared as if eclipsed. Also in the Arab pantheon El-Uzza is the planet Venus, and as

late as the Middle Ages it was venerated in Mecca, and Mohammed also paid homage to it (around 600 AD). Thus Azazel to whom the scapegoat was sent was Venus.

...."The expression, "ingenito humore egens," contrasted with the usual source of water, rain, evidently carries with it an idea that the evaporation from the earth was unusual; and this may easily be accounted for, by the violent action of internal heat or electricity.".... "The words ferrugo and luridus give us an exact idea of the colour—a paleness tinged with the colour of rust. A similar defect of light in the sun occurred at the time of the **next appearance of this comet, (Venus?) A. D. 531**, as will be hereafter related. The fact is curious. It is well known that this comet approaches very near to the sun; but whether the defect of splendour in the sun was the effect of the attractive powers of the comet, or of an alteration in the electrical atmosphere of these bodies; or whether it was occasioned by an alteration in the terrestrial atmosphere, is a question not easily solved. It might have been owing to a vapour, like that which overspread Europe in 1783."

In Pages 304-305 Webster discusses Electricity at length:

... The influence of the electricity incoming from the Moon, during the day, may excite fever in the human body; during the night, a subduction of excitement in the atmosphere, may induce debility, and favour the invasion of disease and the approach of death. These are mere hints and conjectures, intended to excite investigation.

With respect to the supposed influence of comets on the elements of this globe, I would remark, that on the principles here suggested, that influence is very clearly proved and may be easily understood. The facts stated demonstrate that the sun and moon exert great powers on the

globe; and the fact that earthquakes mostly happen in certain positions of the moon, prove that the medium of her influence is the electric principle.

Now **comets are known to be of various magnitudes. Some of them are as large as Venus; much larger than the moon; with highly electrified atmospheres; and sometimes approaching near to the earth.**

The comet of 1577 came within less than a million of miles distance. Those comets which pass the system at an immense distance from the earth can have no great influence; but others approaching near, produce tremendous effects. Hence during their proximity to the earth, the number and violence of earthquakes and volcanic discharges; tempests, inundations from rains and extraordinary tides; and most sensible changes in the powers of animal and vegetable life. That such are the effects, is proved not only by the concurring opinions of all the ancient philosophers, who were accurate observers of nature, but by one uniform series of historical evidence, for more than two thousand years. On the principles of electricity, which is disturbed, attracted, repelled and modified in its combinations with other substances, by the approach of distant bodies, the solution of the phenomena is easy and philosophical.

...but by the great principle of action, electricity. Indeed the discovery of the fact, that most earthquakes happen under particular phases of the moon, and that volcanic eruptions are obviously affected by her position in her orbit, seems to place this point beyond question.

It seems then to be very certain that the electricity which exists in and about the earth is influenced by the sun, moon and planets, but especially by the larger comets; which pass near the earth. The influence of these bodies, or the essential laws of the universe, disturb this fluid and vary its distributions and its combinations with other substances.

Previous to earthquakes, volcanic discharges and hurricanes, it is evident from many phenomena already enumerated, the electricity of the earth passes out of it in unusual quantities; and as the air is often a bad conductor, the fluid accede to it and carries along, the water upon the surface and within the bowels of the earth. This process continued for some weeks and months, exhausts all the rivers and springs. The atmosphere, in the mean time, becomes more and more dry, and a worse conductor, until both air and earth become perfectly electric, or non-conductors. In this situation, either a great demand for the fluid in some distant region, or a great accumulation of it in the bowels of the earth, has prepared the way for a sudden explosion, but no conducting medium exists, sufficient to convey it. A fall of rain, at this time, may create that medium; and hence the common fact that earthquakes happen soon after rain, succeeding severe drouth. If no rain falls, the fluid accumulates, till it forces a passage through the great apertures, formed for the purpose, the volcanic mountains, setting fire, on its way, to the hydrogen, and other inflammable substances, which the ocean generates or deposits in their bosoms.

I know not that these conclusions are just, but the facts from which I reason, are indisputable. The uncommon discharges of electricity, previous to these great concussions, are indicated not only by the exhaustion of streams and springs but by many phenomena in the atmosphere, showing it to be highly electrified. Meteors, huge globes of fire, shoot through the air, not only after, but before the eruption. Witness the meteors of 1758, 1762, and one in May 1783, mentioned in the preceding history. And Sir William Hamilton informs us that the air was unusually charged with electricity, some days before the eruption of 1794.* Unusual halos and mock suns, fiery and luminous appearances in the heavens, with

extraordinary tempests, and hail, are evidences of the same fact.... The sun is probably the great electric of the system, which excites into action the heat of the atmosphere and the earth..." (more on the electric universe continues....)

If Venus came closer to Earth again as in 44 BC, when Julius Caesar was depicted as Transfigured into an 8 pointed star/Venus. Also in 531 AD & 1680 AD. In 1450 BC we were closer to Jupiter & the periods Venus close approached were shorter. Earth, Venus, Mars & Mercury were captured by the Sun & were moving towards the inner solar system, they behaved like comets, changing current sheets & their orbits or axis as they interacted with each other, Saturn & Jupiter. Venus must have also close approached Earth as it did Mars around 600 BC while its orbit was becoming more circular and stable around the Sun. The date of approaches above match the cycle of 575-year-Alignment of electric current sheets, between the Sun, Venus, Earth & Jupiter, which brings Venus' orbit closer towards Jupiter & also towards Earth, disturbing Earth's orbit & causing catastrophes due to higher electric currents incoming & affecting Earth.

Comets are rocky celestial planetary bodies of various sizes with an elliptical or hyperbolic orbit: Greek (aster) komētēs "long-haired star). Comets can electrically affect a planet (Greek "wandering star") from far away if its plasma tail connects to the current sheet a planet's orbit travels along. Planets travel along the different current sheets of the Sun's Birkeland Current (called solar wind, heliosphere).

<https://www.etymonline.com/search?q=comet>

Jupiter-Venus-Earth-Sun

The article from December 2016 between the 575 years (electromagnetic) connection (of their current sheets or plasma tails?) between Jupiter, Earth Venus & the Sun supports the dates of supposed Venus approaches to Earth as found in historic records given by Samuel Noah Webster.

"A Direct Connection Between the Venus, Earth and Jupiter Tidal-Torquing Cycles (a Proposed Driver of Solar Activity) and the Long-Term Strength of Perigean Spring Tides"

<https://astroclimateconnection.blogspot.com/2016/12/a-direct-connection-between-venus-earth.html>

And from the article below from May, 2018 "Earth's orbital changes have influenced climate, life forms for millions years", supports the article above in that the influence of Jupiter & Venus affects Earth orbit because they exert such strong orbital influences (in EU due to electric current sheath connections between the planets & the Sun) because of size and proximity & causes pole shifts, extreme climate changes & changes to life forms, such as droughts, floods, warming or cooling. However, the proposed "405,000-year cycles" are absurd, considering that ice build up only began less than 10,000 years ago; all their calculations should match the 575 year cycle mentioned in the first article.

The study is deducted from analyzing 'ancient' rocks drilled In the Arizona desert rocks which have also been formed in recent times (see Andrew Halls papers on the Electric Earth & the research of the late Michael Setinbacher) & "Earth in Upheaval" by Immanuel Velikovsky. Ice cores have also been analyzed, however, there are no volcanic ash layers there to provide precise dates. But those cores do contain polarity reversals similar

to those spotted in Arizona. <https://phys.org/news/2018-05-ancient-scientists-climate-deep.html>

***AND Did Venus close approach in 1680 AD disrupted Earth's orbit & sent Earth's orbit closer to Mars & its moon's orbit? See the year 1766 AD under comet sightings for the near approach of Mars, on page 11.

LIST OF COMETS

In 1701 appeared a Comet. C/1701 U1 Earth changes of 1701: Extreme drought in America, eruption of Vesuvius in 1701, S. N. Webster: Indeed it is a general fact, and as far as I can learn, such seasons seldom occur, except during the approach of comets, or antecedent to volcanic eruptions. 1701 pestilence killed 2/3rd of population in Toulon, Levant, Augsburg, Dresden & Boston.

In 1702 appeared Comets. C/1702 H1 by Maria M. Winkelmann Kirch (but published under her husband's name Kirch comet) & C/1702 Apr 20 by Bianchini & Malraldi, resembled a nebulous star. Eruption of Mount Etna in 1702, small-pox & scarlet fever raged in Europe & Boston for 2 years, plagues in N.York (Great Sickness), Poland, Hungary, Russia that killed most. War between Swedes & Saxons. Severe frost & great snows mix with warm weather. Flu in winter & earthquakes.

<https://thelifeofmariawinkelmann.weebly.com/a-comet-is-discovered.html>

1703 earthquakes throughout Italy, including Rome & Naples. Memorable tempests & hurricanes.

1705-06 appeared a Comet. C/1706 F1. Drought, pandemic in Augsburg & Prussia. Abundant flies & eruptions of Vesuvius & Mt. Teide in Tenerife.

In 1705 violent tempest & floods & high tides. Limerick, Ireland was under water. Earthquake swarms felt in America. 1706 pandemics.

In 1707 appeared a Comet. C/1707 W1. Vesuvius erupts, new island appeared in the Archipelago with an earthquake and volcano. In 1708 pestilence and flu in Europe. Meteor passed over England few months before the flu started.

One of the most severe winters in 1708-09, seen since 1683-84 which killed fruit trees. Gnat swarms, extreme numbers of spiders. A dark thick cloud of yellow mist was observed. Extreme weather: mild autumn with followed by severe cold. Flu and pneumonia & diseases afflicted America & Europe. Pestilence raged in Northern Europe, (including France, England, Livonia, Lithuania, Copenhagen & in Sweden killing one hundred thousand, decimating its population) from 1702 to 1711. The diseases always affected the poor the worst. A blue fiery globe or meteor illuminated the city at night. Crows, sparrows & birds were not present during the pestilence.

In 1709 in North America, a report from Charlevoix blamed the Indians for poisoning the waters (instead of the plague), that killed a troop under General Nicholson in New York arriving from England.

In 1712-1713 flu & pandemics in human & animals in America & Europe. Extreme wet season rotted the corn. Severe winter & earthquakes & eruption of Vesuvius. Severe winter in 1716, the river Thames froze & they held the Frost Fair over the frozen river. Darken skies over America & earthquake in Lima, Peru.

In 1717 & 1718 appeared Comets. C/1718 B1. Vesuvius erupted. Severe floods in Holland & Germany. Severe winters for several years, in America snow-fall over 16 feet high in a single storm in Fisher's Island. Plague & disease in Europe & America killed old and young.

In March 1719 an immense meteor passed the heavens, illuminating the earth and bursting with a tremendous report. Its diameter was calculated

by Dr. Halley to be a mile and a half. The plague raged for 3 years in Europe & in Aleppo killed 80,000. In 1720 there was a great earthquake in China, and in 1721 shocks were felt in the Mediterranean; volcanos erupted & an island arose in the Azores. In 1721 a volcano erupted in Iceland.

In 1722 & 1723 appeared Comets. C/1723 T1. Cold rainy & violent storms & hurricanes. Earthquake in Chile in 1722. One of the mightiest tempest was recorded in America that flooded Boston. Small pox & violent disease raged in England, the Caribbean Islands, America. Wet & cold winters followed for several years. 1725 violent earthquakes in South America & volcanic eruptions in Iceland. Let us not forget that many more catastrophes took place on the ring of fire not recorded by Webster during this century, such as the 1700 Cascadia earthquake occurred along the Cascadia subduction zone on January 26 with an estimated magnitude of 8.7-9.2. The Tsunami was recorded in Japan to cause great destruction.

In 1727 appeared a comet. Vesuvius & a volcano in Iceland erupted. Hot & dry summer & one of the most violent earthquakes in America. Disease & mostly cold in England with great snow-fall. Plagues in Egypt. In 1728 eruptions in Iceland continued until 1730. In 1728 the earth was parched & springs exhausted in S. Carolina & latter was flooded by a hurricane & plague raged.

In 1729 appeared a Comet. C/1729 P1. The Comet of 1729, **possibly the largest comet based on the absolute magnitude, on record, was discovered by Fr. Nicolas Sarrabat.** Worldwide measles & flu & plagues. In 1730 Vesuvius & Icelandic volcanoes erupted again. Great earthquake in South America demolished Concepcion & Santiago in Chile & pestilence killed most survivors. Severe winter & ice in Europe. Battle of Damghan.

In 1732-33 appeared a Comet. C/1733 K1. Earthquakes in Lima, England, New England & Canada. Extreme dark day in August. The worst epidemics began in 1733. Meteors & balls of fire rained down in Scotland & England. In 1735 earthquakes in S. America, cold & pestilence. Earthquakes in England in 1736. Same year 4,000 people perished in Orkney Island from famine.

In 1737 appeared a Comet. C/1737 C1. Bradley's comet. Earthquakes in Constantinople & Smyrna half destroyed. Earth tremor in Boston. Hurricanes in West Indies destroyed 20,000 vessels & 300,000 people. Great eruption of Vesuvius the same year. Iceland volcano also erupted between 1730 & 1740. There appeared a most singular meteor followed by a very severe winter. Disease & pestilence world wide.

In 1739 appeared a Comet. C/1739 K1. And was the most severe winter in Europe since 1709. Disease & plague and famine in Ireland & Scotland killed more than 80,000 in 1740 & 41.

In 1742 appeared a Comet. C/1742 C1. In 1742 & 1743 Earthquakes killed 42,000 in Italy, great snows, violent rains & frost. Diseases & a violent eruption of Quito's Cotopaxi. Floods & violent storms reported from Venice, Boston, Jamaica & many countries.

In 1743-1744 appeared 3 comets including a Great Comet. C/1743 C1, C/1743 Q1, C/1743 X1, discovered by Klinkenberg-Cheseaux. The great comet's plasma tails look like the symbols of Aten & Tanit used during Venus' close approaches. Of distinguished magnitude, visible 3 months. As usual, pestilence was present. A violent earthquake was felt in New England. In 1745 Lima experienced earthquakes & for several years with strange underground booms. General sickness prevailed everywhere. Cotopaxi erupted.

In 1747 appeared a Comet. C/1746 P1, spotted by Cheseaux. Mount Etna erupted after 40 years of being quiet, tremendous hurricane laid waste the Caribbean Islands (known as the West Indies at the time).

In 1748 2 Comets appeared. C/1748 H1, C/1748 K1. Spotted by Klinkenberg. One believed to be Brooks comet of 1902. The winter was severe, & 2 or 3 excessive hot & dry winters succeeded causing severe droughts in England & Massachusetts. Disease continued. The following year locust & grass hoppers devour the fields.

In 1750 appeared a Comet. C/1750 C1. The summer was excessively hot. Violent tempest marked this year and an unusual swell of the Severn in England. Earthquakes happened in England, Jamaica, Peru, Leghorn, Rome, Sicily and Lapland. Vesuvius erupted. Volcanos in Iceland & Etna erupted in 1755, violent earthquakes. Extreme winters in America, & plague killed 200,000 in Constantinople. The French and Indian War began from 1754 to 1763.

In 1756-57 appeared a Comet. C/1757 R1. Volcanic eruption in Iceland. A meteor was seen in France and earthquakes experienced in various regions. Severe winter in Syria.

In 1758-59 appeared 3 Comets. Discovered by De la Nux & Messier. Renamed from 1758, 1759 I, 1759 II & 1759 III, to C/1758 K1, 1P/1758 Y1, C/1760 B1, C/1760 A1 (**a Great Comet**). And a most tremendous eruption of Vesuvius. Earthquakes in Brussels & Bordeaux, New England, Boston & Portsmouth. Excessively cold winter in both hemispheres. Unusual tides in Nova Scotia In Leipzig soldiers froze to death. In S. Carolina the snow covered the earth 2 feet. Violent earthquakes in Syria demolished Damascus. Trujillo, Peru was swallowed during an earthquake. Drought followed by excessive rain & pestilence followed. In Bombay a meteor of

extraordinary brightness was seen. Snow and hail occurred in America in May. Droughts followed.

In 1760, 62 & 63 Comets appeared. C/1762 K1, C/1763 S1 discovered by Klinkenberg, Palitzsch, Messier. More earthquakes in Syria & eruptions of Vesuvius, tempests in the Caribbean & disease. Severe heat & drought in America, almost all spring were exhausted, the want of water was extreme. Forests died. The winter following was remarkable for severity in both Europe & America. The Thames froze up & the poor perished in the streets of London. Extreme weather followed the next years & more eruptions of Etna.

The American Revolution began & took place between c. 1763 to 1783, and included The Revolutionary War of 1775 to 1783. After the French and Indian War (1754-1763), tension erupted between American colonists and the British government.

In 1764 appeared a Comet. C/1764, discovered by Messier.

In 1766 appeared 2 Comets. C/1766 E1 & C/1766 G1 discovered by Messier & Helfenzrieder. Dry & hot summers in Europe caused a drought. Famine compelled people to kill their cattle. Great hail storms, floods & terrible tempests followed the drought. The Caribbean was laid waste by tempest & hurricanes. **In August, the planet Mars was nearer to the earth, by two millions of miles, than it had been for many ages, and in the spring appeared a comet (a moon of Mars, did a comet disrupt Mars' orbit?)** (page 255 of Samuel Noah Webster's book.) Coldest winter in Europe since 1709. Birds perished from the cold. 18" of snow fell in Naples, Madrid & Lisbon froze, also severe winters in both hemispheres. Etna, Vesuvius & Heckla simultaneously erupted, & drought followed in Europe. Earthquakes felt in New England & a violent one in Constantinople. Failed crops & grain scarcity in Europe & America. Sick

wolves became ravenous, entered towns & destroyed people. Everything indicated uncommon agitations in the elements. Pages would be necessary to enumerate the tempests and hail storms of these years.

In 1769 appeared a Comet. C/1769 P1 discovered by Messier. In January 1769 fell two fire balls in England; one of them on Tower hill. Violent earthquakes, hurricanes, strange vapour discharges from earth killing people. Plagues & disease as usual. Volcanos smoking constantly. Pests devoured fields in Massachusetts. The day Venus transited over the Sun's disk on 3rd June, a small earthquake was felt in New England & a great tempest. Animals like cattle & dogs also suffered disease & madness.

In 1770 appeared 2 Comets. D/1770 L1 & C/1771 A1 (**a Great Comet**), C/1771 G1, discovered by Messier. In 1770, a group of British soldiers fired on a group of unarmed colonists, killing several in what became known as the Boston Massacre.

In 1772 Comet seen. 3D/1772 E1 discovered by Montaigne. Vesuvius erupted 1770 and the following year. Heckla erupted in 1771 & 72. Terrible earthquakes, including in the Caribbean, New England & Italy was repeatedly shaken. Meteor or fireball was seen. Record floods in Virginia, Germany, England, Holland & France. Locust & famine in South America. Cattle & foxes were swept away by disease. Hundreds of thousands dies of the plague in Russia & Poland. Famine & plague in India killed most natives. Pests of flies in India, & black worms destroyed America's fields. Potato crops were ruined in Scotland. Hurricanes rack havoc in China. Plague in Persia killed 80,000.

In 1773 & 1774 Comets seen. C/1773 T1 & C/1774 P1. Discovered by Messier & Montaigne. In 1778 there was the Battle of La Hague.

In 1779 appeared a Comet. C/1779 A1, discovered by Bode & Messier.

In 1780 appeared 2 Comets. C/1780 U2 & C/1780 U1, discovered by Messier, Montaigne & Olbers. The weather was uniformly cold, the frost more intense in some places. Sever weather & disease raged for the next years. Remember that more catastrophes took place along the ring of fire.

In 1781 appeared 2 Comets. C/1781 M1 & C/1781 T1, discovered by Mechain.

In 1783 appeared a Comet. 226P/1783 W1, discovered by Piggot. This year there were the most splendid aurora borealis. In August Heckla had a major eruption & Iceland was under a cloud of vapour, soon after an immense meteor or globe of fire shot through the heavens, from both to south passing the Orkneys & Great Britain. In May a large meteor or fiery globe was seen in Virginia, shooting from north to south & then it burst loudly. The volcanic cloud covered all Europe. Churches were filled up with fearful people paying for mercy. It is probable that this vapour was the effect of insensible discharges of electricity. Tremendous gales affected America's Eastern coasts. Considerable earthquakes were felt in the Northern states & N.York & in the Caribbean islands. Floods in Europe, & spread out disease in animals & people. Famines followed the next year in N. Africa.

Extreme drought in 1782, eruption of Heckla in 1783. (The comets & electric phenomena) introduced the pestilence in Europe, Africa and Asia, including terrible earthquakes and eruptions of volcanoes; excessive drouth in America, India and Egypt, failure of crops and famines, meteors, great heat and deluges of rain in other countries.

In 1784 appeared the Great Comet. C/1783 X1, was spotted by many. This comet was predicted by Mr. Herschel. Terrible tempest that happened just before the comet sighting, spread desolation along the coasts of

France, Spain & Portugal & Italy, an earthquake accompanied the hurricane. 9" balls of hail fell in S. Carolina.

In 1785 2 Comets were seen. C/1785 A1 & C/1785 E1, discovered by Messier & Mechain.

In 1786 2 Comets were seen. 2P/1786 B1 & C/1786 P1, discovered by Mechain & C. Herschel

In 1787 appeared a Comet. C/1787 G1, discovered by Mechain.

In 1788 appeared 2 Comets. C/1788 W1 & 35P/1788, discovered by Messier & C. Herschel. James Sayers drew the first British caricature using the symbolism of a comet (later copied many times). His print was released on February 18, 1789, the day before the scheduled third reading of the Regency Bill, which would take power away from George III (1738-1820). Happily, the King's porphyria (probably caused by Lead poisoning, in the medicine fed to the poor man) had begun to recede in January and by early February, various politicians were leaving Charles Fox, and returning to the side of King George and William Pitt.

Lasting 10 years from 1789 – 1799 the French Revolution was a period of social and political upheaval in France. The constant volcanic eruptions, extreme weather, crop failure, pandemics, death & misery & so many comet sightings, resulted in profound political and social change, and in France, most importantly the overthrow of the monarchy & King Louis XVI by other nobles and the establishment of the First French Republic, which changed the power from one person to many noble men.

In 1790 appeared 3 Comets. C/1790 A1, 8P/1790 A2, C/1790 H1, discovered by C. Herschel & Mechain. Epidemics in Europe, violent tempests, destructive hurricanes in America & Caribbean. Tornados in Paris, Tempest in London and a fireball entered a house & killed 2 persons. In N. York & Connecticut a meteor of fireball, whose diameter was equal to

the sun in the median was seen. It passed from the east to the west very rapidly, illuminating the earth & then bursting with a loud boom. Harvest failures in India, China. A considerable earthquake was felt in Virginia. The flu spread. An extensive earthquake was felt in the northern states. On the morning after the earthquake, was observed at Middletown in Connecticut, a substance like honey or butter, covering the grass and earth for a considerable extent. The black worm decimated the grass, fruit trees and corn in the northwest, in Maryland caterpillars devoured the grass. The Age of the Atlantic Revolutions soon carried back across the Atlantic to the French colony of St. Domingue in the Caribbean, where enslaved people responded to the Paris government's abolition of racial distinctions with a rebellion that began in 1791.

In 1792 appeared 2 Comets. C/1791 X1, C/1793 A1, discovered by C.Herschel & Gregory.

In 1793 appeared 2 Comets. C/1793 S2, C/1793 S1, spotted by Messier & Perny. Scarlet fever & other diseases raged in N. York. Small pox, scarlatina, etc. raged in the Northwestern states.

In 1795 & 1796 appeared Comets. 2P/1795, C/1796 F1, spotted by C.Herschel & Olbers.

In 1797 appeared a Comet. C/1797 P1, spotted by Bouvard, C.Herschel & Lee. According to astronomers passed near Earth although it was of small apparent magnitude & was seen by few people.

The influence of this species of bodies in occasioning great tides, and violent storms, has been already mentioned, and of that influence, in the present instance, I was a witness. In 1797 my residence was, as it had been the preceding year, on a height of York Island near Corlaer's Hook to the northward of flat land, which is never covered with water by a common tide, but is overspread by spring tides, or any unusual swell in

consequence of easterly winds. I observed, as early as the last week in May, high tides were unusually frequent and the swell extraordinary. In the city of New-York, the same fact was observable; and the inhabitants about Beekman slip will recollect how often the wharves and street were covered with water. These tides were not to be accounted for, on any known principles of lunar influence, and I frequently mentioned the phenomenon to my friends, but without suspecting the cause. The same phenomenon was noticed at other places. In Norfolk, the epidemic fever was, in part, ascribed to unusual tides; as I was afterwards informed. On the Delaware, the overflowing of the low lands, below Philadelphia, was extraordinary, and some physicians ascribe to this cause the yellow fever.

This was in August; about the time that the comet was first observed. The fact then of the influence of comets, in raising the waters of the ocean, is well established; and the appearance of a comet in autumn explained the phenomena of the tides to my satisfaction.

The influence of comets in augmenting tempests is equally certain and remarkable. Storms & tornados destroyed forests. In Rome & Naples an extraordinary tempest happened. The astronomers ascribed it to the approximation of the comet. Hail in Burgundy, France ruined vineyards. Earthquake in the Western Pyrenees & Guadalupe erupted. In England rain ruined the corn crops. The Black Sea was tempestuous. South America & Ecuador were convulsed with landslides, volcanic eruptions, earthquakes, that 40,000 people perished.

In 1798 appeared 2 Comets. C/1798 G1, C/1798 X1, spotted by Messier & Bouvard, In 1798 an earthquake in Pennsylvania & surrounding towns was accompanied by a flame or blaze issued from the earth like a burning chimney. Severe cold & frost were experienced in the Caribbean &

Jamaica with an earthquake. Violent earthquakes occurred in Sumatra. In England & France & Philadelphia pestilence killed most cats. Canine madness & death also afflicted dogs. Diseases would affect specific species in different years of pestilence.

In 1799 appeared 2 Comets. C/1799 P1, C/1799 Y1, spotted by Mechain.

IMPERFECT as ancient history is, in regard to the accounts of diseases, and the extraordinary phenomena of nature, we find that between the year B. C. 480 and the Christian era, a number of violent plagues occurred, most of which coincided in time with the following phenomena, comets, eruptions of volcanoes, earthquakes, drouth, severe winters, diseases among cattle. Of thirteen comets mentioned in the foregoing history, whose dates I am able to ascertain, eight of them coincide with volcanic eruptions of Etna, the only volcano of any note, which the history of that period has recorded; and elements of them coincide in time with pestilence. If we consider the scarcity of our materials for a history of these phenomena, at that period, and make due allowances for the uncertainty of chronology, we shall find reason to be surprised at such a number of these coincidences. In several instances we find extreme drouth and very severe winters to correspond in time with comets and eruptions of Etna, that conform to facts in modern days.

On this subject, history is barren also for many centuries after the Christian era. Yet in every period, even in the dark ages, we find numerous coincidences of the great phenomena above mentioned. All the great plagues that have afflicted mankind, have been accompanied with violent agitations of the elements.

Another phenomenon which usually coincides in time with severe winters, is the approach of comets. I have been struck with surprise at the

coincidences of this kind. There are a few instances on record of mild winters, during the appearance of these bodies; but in these cases, the comets have appeared to be small, or to pass the system at an immense distance from the earth. The large comets and those which approach near to the earth, seem to produce almost uniformly great heat, excessive drouth, followed by very cold winters, tremendous storms of wind, rain, snow and hail, unusual tides or swell of the ocean, and usually, volcanic eruptions. How far these phenomena are connected, as cause and effect, future observations may determine. Some of them occur so uniformly in the same year, that I cannot resist the evidence of their connection.

After a volcano has been many years quiet, its discharges are, I believe, always preceded by extreme drouth; and this defect of water is not only observable in the vicinity of the volcano, but often extends over a whole continent, if not over the world. Many instances have been related; it is sufficient here to mention the excessive drouth in 1762 and 1782, preceding eruptions of Etna and Heckla. In these years, almost all springs were exhausted over a great portion of America.

Cold winters sometimes follow wet seasons, but more generally a very hot summer or very dry autumn. Sometimes two or three severe winters occur in succession, as in 1766, 67 and 68 —and in America from 1796 to 1799.

The years when comets approach, or volcanoes discharge fire, and when the atmosphere exhibits fiery appearances, as meteors, streams of light, and mock suns, are, beyond comparison, the most tempestuous. Witness the years 1766, 1771 and 72, 1780, 1783, 4 and 5, 1788, 1797. In such years, the risk on vessels at sea, is greatly increased.

As dry seasons usually precede volcanic eruptions, so very wet seasons often follow them. This seems not to be the invariable course of events; but there are remarkable instances of deluging rains after these discharges. Witness the seasons following the universal convulsions of the earth in 1692 and 3, and 1766. Thus, the electricity is re-conducted to the earth.

In every case, I believe this remark will be found too; that the approach of comets, and volcanic eruptions disrupt the regular course of the seasons. The heat of summer and the cold of winter are in extremes; more snow is generated in winter, and more hail in summer; tempests are more violent and frequent; meteors more numerous, and rain more unequally distributed over the earth.

A series of epidemic diseases, measles, influenza, affections of the throat, followed by pestilential fevers, appear generally to commence and take their departure, from some of the great agitations of the elements above recited. This at least has been the case in America in the four last periods, beginning with 1756-7, 1769 and 70, 1782 and 3, 1788 and 9.

The continuance and the varieties of the diseases seem to depend on similar disturbances in the elements; and as the discharges and motions of the electrical fluid depend on no certain laws that are known, they are irregular, and may contribute to vary the order, and the nature of diseases.

I want to end with the evidence found in history over and over that during wars & the conquering of lands and of people, it is not the invading armies that destroy the cities, but the conflagrations, earthquakes, lightning discharges, floods, extreme cold & disease brought on by Comets & Solar flares that occurred shortly before or during these conquests.

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Capture of planets, comets & brown/ red dwarf stars by the Sun. Wal Thornhill wrote: "The fission process is repeated in further electrical disturbances by flaring red dwarfs and gas giant planets ejecting rocky and icy planets, moons, comets, asteroids and meteorites. Planetary systems may also be acquired over time by electrical capture of independent interstellar bodies such as dim brown dwarf stars. That seems the best explanation for our 'fruit salad' of a solar system"... "So what I'm suggesting is... that all of the planets and moons in the solar system did not originate with the Sun; they were captured. Capture of a brown dwarf star begins when the plasma sheaths touch and they "see" each other electrically for the first time. The brown dwarf changes from being an anode in a galactic discharge to a cathode in the Sun's environment. The adjustment is drastic. The brown dwarf is no longer a star. It becomes the mother of all comets and subject to a steady electrical acceleration toward the Sun. That acceleration will tend to cause the satellites of the brown dwarf to be dislodged from their orbits and, in a dynamic equilibrium, strung out behind (author's note or like the companions of comets in different current sheets) in their primary's cometary wake. Since a comet's ion tail is a discharge current, the satellites will experience "mega auroras" and devastating interplanetary discharges to varying degrees.. In an Electric Universe, a star's photosphere is, in reality, a "glow discharge", whose spectrum indicates its elemental composition. Therefore, a star's diameter is not dependent on a solid body measurement: its photospheric "surface" exists well above any "real" exterior veneer. Surrounding the Sun (and other stars, presumably) is a plasma sheath that forms a boundary between the electrical condition of the Sun and the electrical environment of the Milky Way. This sheath is known as a double layer, forming the heliosphere that protects the Solar System from the oppositely charged Interstellar Medium. One major characteristic of double layers is that they oscillate. "Magnetic fields of stars are defined by the sun's passing along large filament currents flowing along & defining the arms of the galaxies"

<https://www.thunderbolts.info/wp/2019/08/14/dwarf-planets/>