

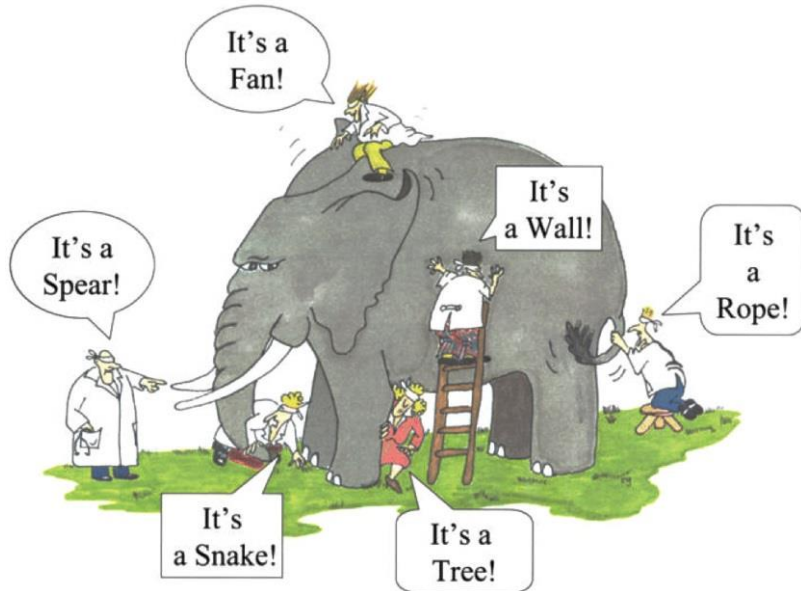
In Search of the ArcheCosmos

Considerations on the Shape of Planet Earth

Thomas Joseph Brown

(work in progress, this draft version 0.8 released Feb 12, 2016 to fellow researchers, revisions inevitable)

Whenever a theory appears to you as the only possible one, take this as a sign that you have neither understood the theory nor the problem which it was intended to solve. ~ Karl Popper



There is currently a fluorescence of people querying the very nature of our Earth Plane/Planet; questioning if we are on a globe spinning at vast speeds, circling a photon-spewing nuclear furnace, insignificant random meat puppets doomed to paying our "fair share" as slaves to the humanitarian evolutionary grind. This is an encouraging sign.

The main contenders of world views are Heliocentric, Geocentric, Geocosmic (concave), and Planar (flat). This is an overview of the different theories, with evidences of support and denial, in light of

looking to the greater picture. Links are provided to further research the data provided.

In the Goethean approach to the Natural sciences one does not take a plant at any particular stage of its development and state that it is the whole of the plant. Rather one utilizes their cognitive and intellectual capacities to observe and ingest the evidence of the plant growing in metamorphic stages from seed to seed in its natural realm in order to allow for higher order processing and comprehension of the archetypal source of the ideated plant from which the one under observation is both a cause and effect example of planetary faunal life.

The sign of a true intellect is retaining a suspended judgment until all the facts are in and all data is assessed, but apparently such is most difficult or impossible for some, and the dark side of this questioning fluorescence is the persistence of *ad hominum*s and general abuse of people who cross into these fields of endeavour holding different opinions. This probably is the signature of a psyop at some level, hijacking of the fluorescence, at least the signature of people whose claim to spiritual insight is a mere characterological shell bolstered by dogma, regardless of its appearance to the uninitiated.

Hidden knowledge is so vast most folks wouldn't believe all of what is going on behind the scenes and has been for centuries, and how much of what they believe about history is false or misrepresented, including natural and scientific history.

One's ability to process data is limited by their worldview, and thus totally factual objective data is often considered false and rejected. If it hits too close to home it causes a biopathically-driven emotional response, usually starting with name calling towards the source. But at the same time those whose worldview is flexible are more open to challenging information. The problem lies in people's inability to keep a suspended judgement, so once they think out of orthodox bounds they don't have the critical capacity to discern the most probable reality and wander off into fantasy.

In the original liberal arts the Trivium consists of Grammar, Logic and Rhetoric, in that order, *i.e.*

respectively: input-definition, coherence-processing and explanation-knowledge. It is far too common that people put the “logic” of their worldview prior to grammatical assessment of objective reality, so they are never able to define said reality properly, their worldview is sustained, and their output is flawed. This extends to current and historical events, and qualitative and quantitative assessment of the universe and all that which is in it.

So the rule of thumb is to rely on people who have done their research and can objectify their evidence in a logical framework independent of beliefs. If that then fits larger frameworks then one is usually on the right track.

One exploring these realms would be wise to develop the ability to entertain these diverse ideas by thinking out what stages of logic do exist if you were assigned to defend one of these diverse positions in a debate exercise; entertain the idea without necessarily accepting it. Perspective is the greatest of teachers.

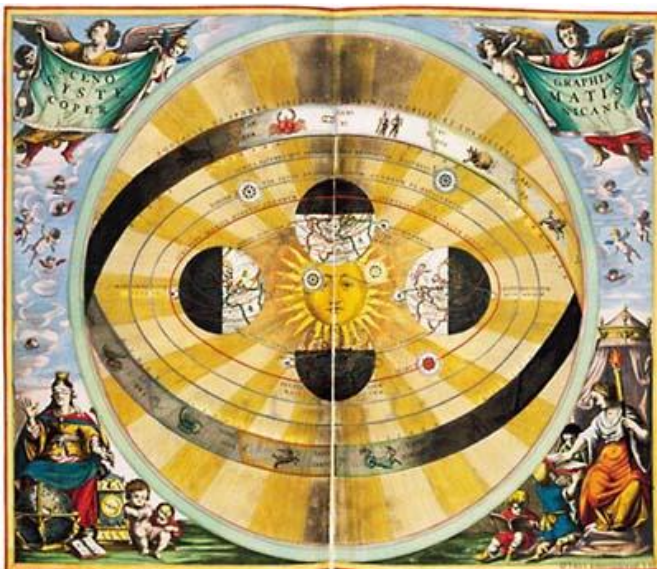
As for world views, naturally I grew up with the standard heliocentric model as part of the status quo paradigm, and learned how we scientifically progressed from silly old folks pre-Copernicus who were knuckleheaded enough to consider that the world is in the center of Creation (like they actually experienced). However, I’ve extended my search openly to fully understand the ongoing search for relationships between cosmologies and a verifiable cosmography. Feel free to do the same.

The extant world views can be put into four general categories with which to consider the arguments for and against them, Heliocentric, Geocentric, Geocosmic (concave), and Flat. Here is an overview of these diverse perspectives, with links to further research.

Heliocentric – Acentric model

“You are insignificant!”

According to the orthodox paradigm Earth is a sphere travelling in an elliptical orbit around the Sun along with the other planets of our solar system, the Sun being one of billions of stars moving through space at vast speeds in an arm of a spiral galaxy known as the Milky Way, one of billions of galaxies in the so-called “known universe.” There is no center; everything is expanding from a hypothetical “Big Bang” allegedly some 13 Billion Earth-years ago.



This view has developed from the time of Nicolas Copernicus, who usurped the ancient views of the flat or spherical Earth as the center of creation, with the heavens cycling around, and replaced it with the concept of Earth rotating upon an axis while orbiting the Sun.

This heliocentric model explains varying brightness of planets and the retrograde motion of planets can be explained through

simple geometry.

http://physics.ucr.edu/~wudka/Physics7/Notes_www/node41.html

It is not that Copernicus directly measured any phenomena from which to evidence his theory, rather he mathematically reduced the geocentrically-observed complex motions of the planets to

their lowest common denominators resulting in the simple orbits of the planets around the Sun. In fact he didn't really do that, he learned from Greek (Euclid, Ptolemy) and Islamic sources (Nasir al-Din al-Tusi, 13th Century) the later from whence he copied diagrams directly.

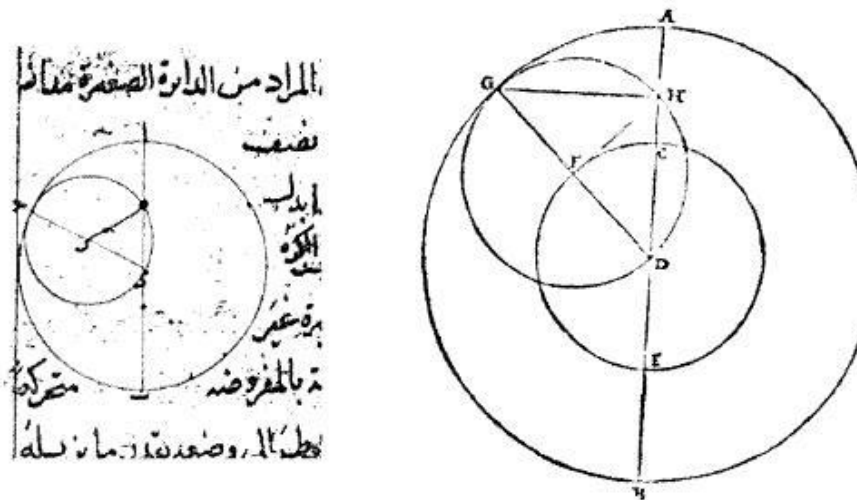
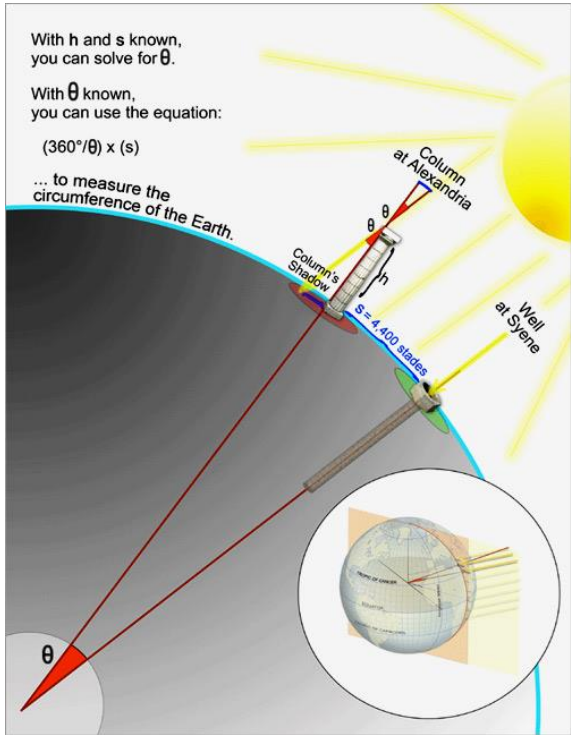


Figure 6.2
 Proofs of the Tusi Couple from the works of Tusi (left) and Copernicus (right), showing the identity of the lettering of the diagrams. Wherever Tusi had *alif* Copernicus had A, and wherever Tusi had *ba* Copernicus had B, and so on, except that where Tusi had *zain* for the center of the smaller sphere Copernicus had F. See figure 6.3.

<http://www.muslimheritage.com/article/copernicus-and-arabic-astronomy-review-recent-research>
<http://www.columbia.edu/~gas1/project/visions/case1/sci.2.html>



The concept of Earth as a sphere requisite to the heliocentric model predates the Copernican Revolution.

The ancient Cyrenian scholar Eratosthenes is credited with being the first to calculate the circumference of the Earth globe, as well as the tilt of the globe's axis to its orbital plane. Eratosthenes was librarian at Alexandria, and no doubt accessed vast data.

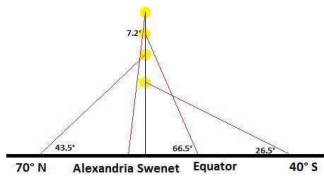
Eratosthenes measured the angle of the shadows of two vertical sticks at Syrene and Alexandria in Egypt, and from the angles, knowing the distance between the two cities, calculated the Earth's circumference with a fair degree of accuracy.

Left: Illustration showing a portion of the globe showing a part of the African continent. The sunbeams shown as two rays hitting the ground at Syene and Alexandria. Angle of sunbeam and the gnomons (vertical sticks) is shown at Alexandria which allowed Eratosthenes' estimates of radius and

circumference of Earth. <http://www.wired.com/2008/06/dayintech-0619/>

Flat earthers claim Eratosthenes' experiment supports the flat earth model and that the results can be used to calculate the Sun's height above the Earth by dividing the difference of latitude (7.2°) by the tangent of the angle cast by a shadow at Alexandria (7.2°) when the Sun was directly overhead at Swenet. The oft cited flat earther result is that the Sun is at a height of 3419 nmi. But this method yields different heights for the Sun when other locations are used. This will obviously lead to the paradox that the Sun must be at different heights simultaneously when more than two locations are used.

If the angle were measured at the June solstice at Swenet and at the equator, the result would be the Sun is now at a height of 3243 nmi. The farther away one moves from Swenet the more the height of the Sun decreases. At 40°S the calculated height of the Sun would be a mere 1900 nmi. The graphic below is the flat earth representation of Eratosthenes' experiment on the June solstice with a few more locations added. The red lines are the angles above the horizon of the Sun at local noon (i.e. when the Sun is directly north or south of the location) on the June solstice. Where the red lines meet the black vertical line is the required height of the Sun necessary to match observed reality.



It is said that the ancients believed the world was flat, and some certainly did, with a widespread cultural subscription from Eurasia to the Americas. We'll look into this in the **Flat Earth** section ahead.

In the Western stream of knowledge, Pythagoras (6th century B.C.) is credited with introducing the spherical Earth concept, with expansion from Aristotle on. How Aristotle Proved the Earth is Spherical: <https://youtu.be/vzImgICgUkg>

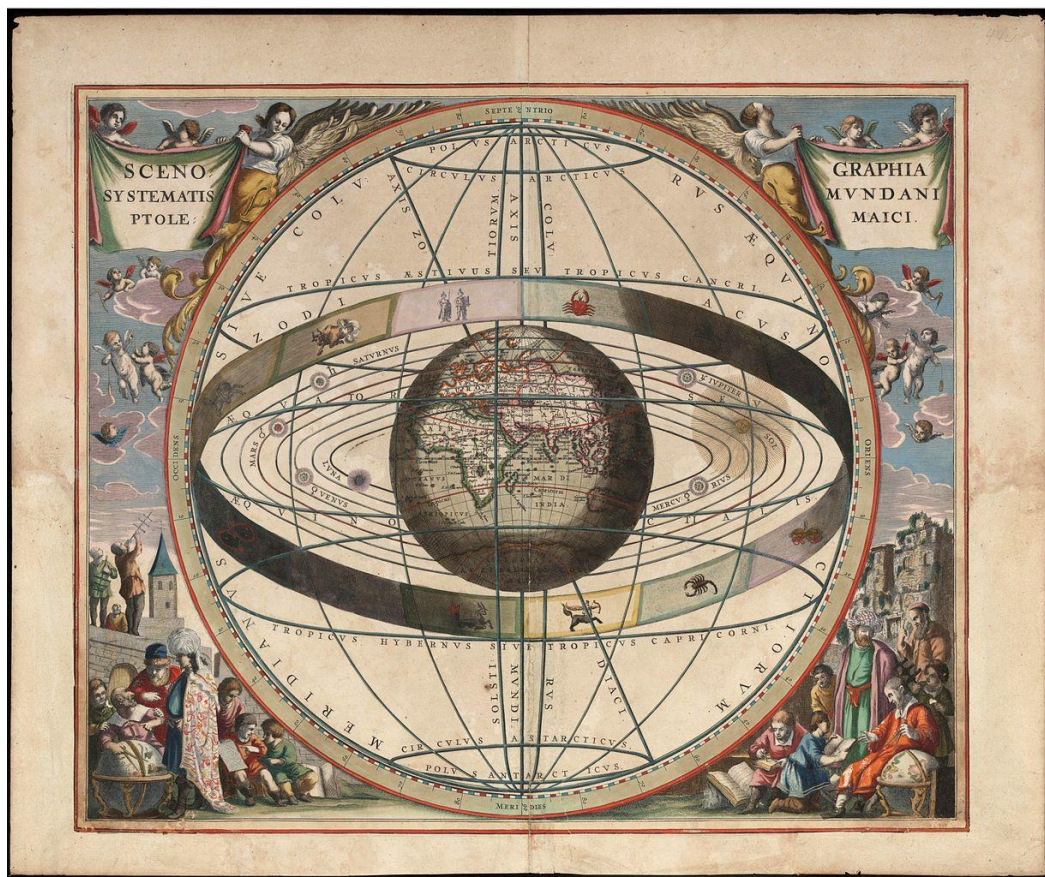
Ptolemy (2nd century A.D.), in his **Geographia**, used the globe model, and

developed the system of latitude and longitude.

https://en.wikipedia.org/wiki/Geography_%28Ptolemy%29

This spherical model used by the Greeks was geocentric, Earth at the center of creation, with the heavens rotating around. Ptolemy, in his astronomical work "Mathematical Treatise" proposed a system with multiple spheres for planets and stars, spheres within spheres (of crystal clear *aether*) to account for the apparent forward and retrograde motions of the planets against the fixed stars, (using epicycles and deferents).

In essence there are main spheres for the Luminaries (Sun, Moon, visible planets) and the fixed stars.



http://galileo.rice.edu/sci/theories/ptolemaic_system.html

The major turning point in consciousness of Earth's place in the Universe came with the overturning of the Ptolemaic system by the Copernican. Galileo compared the two systems in his *Dialogue Concerning the Two Chief World Systems*, 1632, an endeavour which found him labelled as a heretic by the Inquisition.

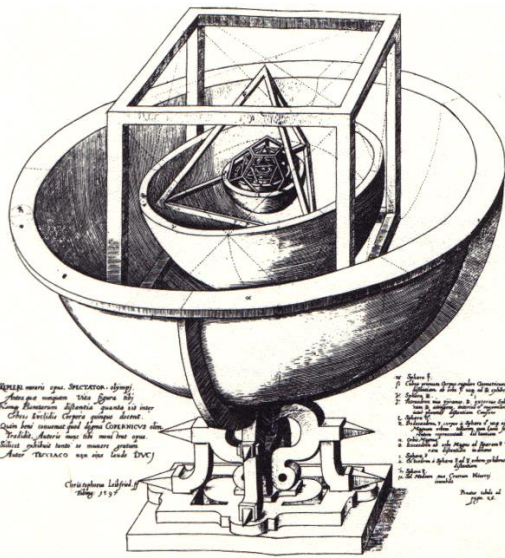
Galileo ignored the Tychonian system which was preferred by astronomers of the time, not taking it seriously. Tycho Brahe, in his *Introduction to the New Astronomy* (1588) presented a hybrid of the Ptolemaic and Copernican systems. Mercury and Venus orbit the Sun, the Sun orbits Earth, Mars, Jupiter and Saturn orbit the Sun at greater distances.



Tycho Brahe hired Johannes Kepler to help interpret his data on the motions of the planets as observed. Kepler believed in the Copernican system, and after Tycho's death he moved forward with his reconciliation of observation vs calculation, the Tychonian vs the Copernican.

Kepler discovered his three laws of planetary motion:

1. The orbits of planets are ellipses with the sun at one focus of the ellipse.
2. The line joining the planet to the sun sweeps out equal areas in equal times as it moves along its orbit.



3. The ratio of the squares of the orbital periods for two planets is equal to the ratio of the cubes of the radii of their orbits

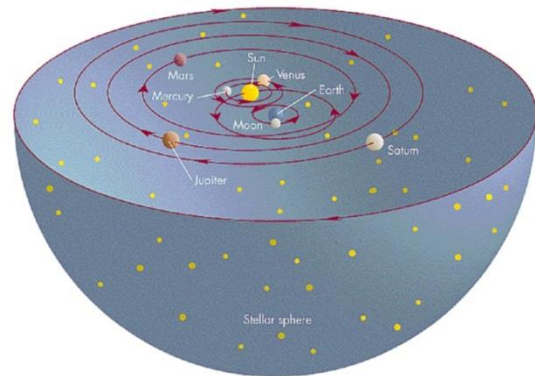
This allowed him to discover what is known as the harmony of the spheres, an idea he presented in his *Harmonices Mundi* (*The Harmony of the World*, 1619), the relationships between geometry, music, and the structure of the solar system. Thus was presented an orderly heliocentric system based on the nested geometry of the Platonic solids.

<http://ircamera.as.arizona.edu/NatSci102/NatSci102/lectures/kepler.htm>

<http://www.keplersdiscovery.com/Harmonies.html>

The Tychonian system is mathematically the same as the Copernican system, the difference being that Tycho considered the Earth to be at rest at the center (with Moon and Sun orbiting the Earth, the rest of the planets orbiting the Sun), and Copernicus reduced Earth's position to as merely one of the planets orbiting the Sun. The only way to tell these two systems apart would be stellar parallax, which is predicted by the Copernican system. Tycho's system relied, like Ptolemy's, upon epicycles and deferents, and not simple spheres as diagrams of his system imply.

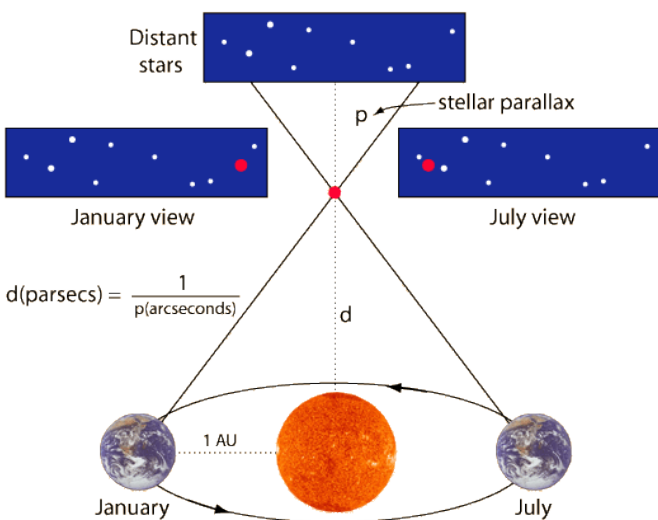
Tycho's Model



"There really are not any spheres in the heavens...

Those of which have been devised by the experts to save the appearances exist only in the imagination, for the purpose of enabling the mind to conceive the motion which the heavenly bodies trace in their course and, by the aid of geometry, to determine the motion numerically through the use of arithmetic."

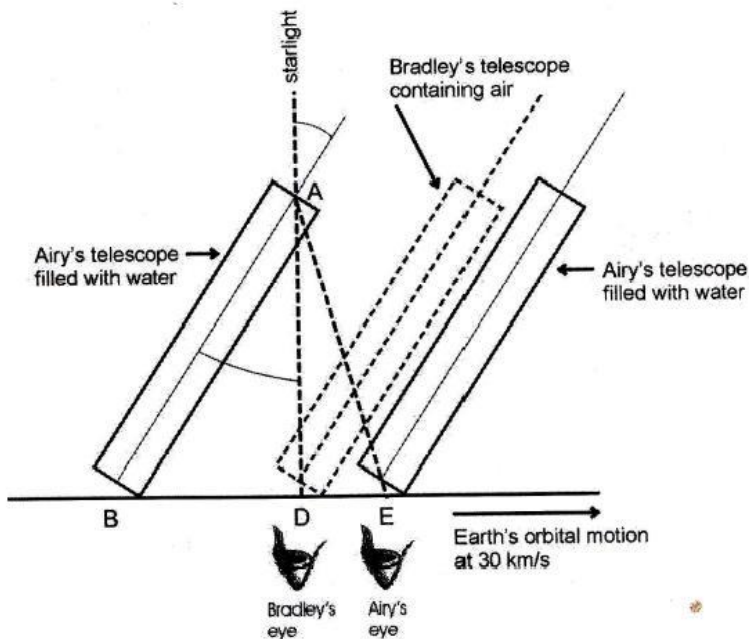
~ Tycho Brahe, On the Most Recent Phenomena of the Aethereal World, 1588



Parallax is the change in apparent position of an object from different perspectives. Stellar parallax is expected motion of closer stars against more distant ones from different positions of the Earth's orbit around the Sun, say six months apart.

Tycho Brahe's precise measurements of the stars over time showed zero parallax; hence his geocentric model in the midst of the Copernican Revolution. One of Tycho's chief arguments against the Copernican system was the lack of observable stellar parallax, which indicates an unlikely vast empty void

between the outer orbit of the planets and the realm of stars.



Astronomer Royal James Bradley's experiments measuring the position of gamma Draconis from London in 1727 indicated stellar aberration only, due to what he considered Earth's motion around the Sun. Think of aberration as similar to rain coming at an angle when you run into it rather than standing still. However, Bradley did not measure parallax.

<http://cseligman.com/text/history/bradley.htm>

Aberration Lunimis

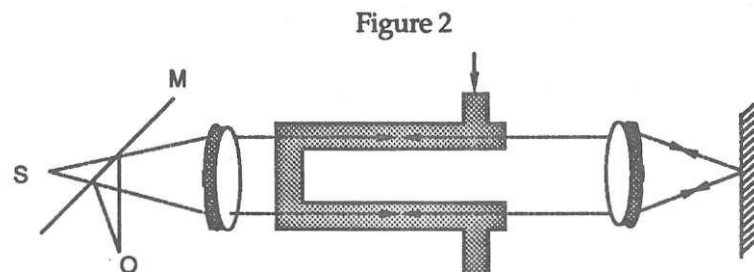
<https://www.youtube.com/watch?v=R4htjvSCSiU>

Bradley's experiments were followed

by Astronomer Royal George Biddell Airy's negative detection of parallax in his experiments of 1871, the famous "Airy's Failure".

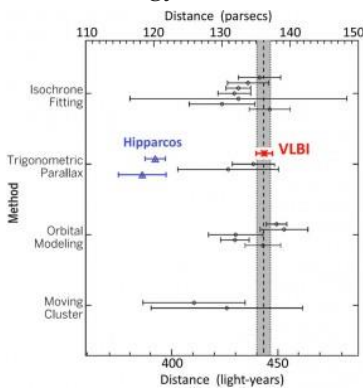
Airy's Failure indicated that the stars move relative to a stationary Earth and not the other way around. By first filling a telescope with water to slow down the speed of light inside, then calculating the tilt necessary to get the starlight directly down the tube, Airy failed to prove the heliocentric theory since the starlight was already coming in the correct angle with no change necessary, and instead proved the geocentric model correct.

This led through the years of ether drift experiments, seeking to find an ether which would be moving with the Earth, pulling the starlight along with it as it rounded the Sun. Of course this was because the Copernican view had settled in and the apparent geocentric results were anathema, so eventually orthodoxy concocted Relativity to explain it all away (and prevent people from understanding Tesla to boot!).



We will revisit this matter in the **Geocentric** section.

As technology advanced more precise measurements of the stars have been able to be made.



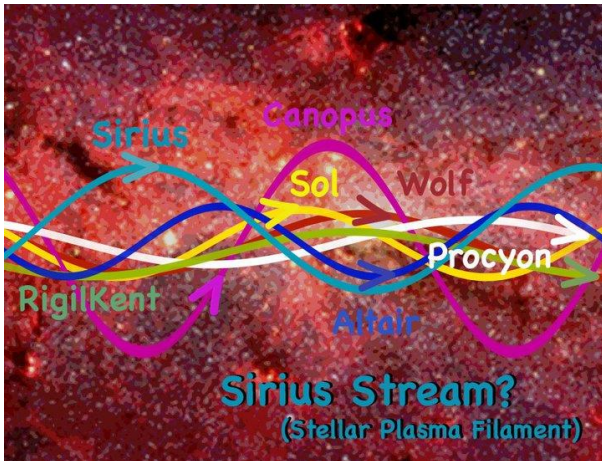
Friederich Bessel measured the parallax of the star *61 Cygni* in 1838, prior to Airy, which is curious that it is never mentioned in discussions of Airy's Failure. But stellar parallax is so minute that that the distances are vastly extended beyond what perhaps may be visible if light intensity decreases by the inverse square law (though if starlight is longitudinal, as in Tesla's LMD currents, the inverse square law would not apply).

The satellite Hipparcos was put up specifically to measure parallax, and it has been relied upon heavily. However, comparing Hipparcos data with parallax measurements from Hubble and ground measurements the "Hipparcos anomaly" of an error of about 55 light

years to the Pleiades was found. It appears this anomaly applies only to star clusters!? So a new satellite, Gaia is now in L2 orbit and the first major data release will be in mid-2016.

So this field of endeavour shows that the movement of the Earth around the Sun is indicated by the measurements, as tiny as they are. We are clearly reliant on the readings of equipment, we cannot directly experience the change of position so measured.

Astrophysicist Millenium Twain has recalculated the parallax data and claims that there is a 'fudge factor' added in, that the stars are actually much closer, e.g. Sirius is 1.8 light years distant rather than the assigned nine (9).



<https://www.facebook.com/notes/millennium-twain/sirius-shift-sirius-parallax-disclosure/10150369702204525>

Millenium has been remapping the cosmos based on his theories and knowledge:

<https://www.facebook.com/notes/10153129617549525/>

While the parallax experiments are meant to derive Earth's orbit around the Sun, what direct measurable evidence is there to verify Earth as a sphere rotating upon its axis?

Foucault's Pendulum is said to demonstrate that a pendulum of sufficient proportions can track the

rotation of Earth. This was first exhibited in the middle of the 19th Century and is a fixture at many museums around the world.

However, Maurice Allais, in his testing of Foucault's pendulum effects, discovered that during a solar eclipse the pendulum is deviated for the period of the eclipse. This has been proven in further experiments.

<http://www.science-frontiers.com/sf074/sf074a05.htm>

http://science.nasa.gov/science-news/science-at-nasa/1999/ast06aug99_1/



This strikes at the validity of the theory of gravity, and brings into question whether or not Earth is rotating beneath the pendulum.

Yet we find in the U.S. Marine Corps Artillery manual **Tactics, Techniques, and Procedures for the Field Artillery - Manual Cannon Gunnery (FM 6-40; MCWP 3-16.4)** the following chart for calculating corrections "to compensate for the rotation of the Earth". But this then begs the question as to why airplanes flying east and west don't notice more of an effect.

CHARGE 4G
TABLE I
ROTATION - AZIMUTH
FT 155-AM-2
PROJ. HE, M107
FL17F, PIV, MARK7

CORRECTIONS TO AZIMUTH, IN MILS, TO COMPENSATE FOR THE ROTATION OF THE EARTH

0 DEGREES LATITUDE

RANGE METERS	AZIMUTH OF TARGET - MILS									
	0	400	800	1200	1600	2000	2400	2800	3200	
500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3500	R0.1L	R0.1L	0.0	0.0	0.0	0.0	0.0	L0.1R	L0.1R	L0.1R
4000	R0.1L	R0.1L	R0.1L	0.0	0.0	0.0	L0.1R	L0.1R	L0.1R	L0.1R
4500	R0.1L	R0.1L	R0.1L	0.0	0.0	0.0	L0.1R	L0.1R	L0.1R	L0.1R
5000	R0.1L	R0.1L	R0.1L	R0.1L	0.0	L0.1R	L0.1R	L0.1R	L0.1R	L0.1R
5500	R0.2L	R0.2L	R0.1L	R0.1L	0.0	L0.1R	L0.1R	L0.2R	L0.2R	L0.2R
6000	R0.2L	R0.2L	R0.2L	R0.1L	0.0	L0.1R	L0.2R	L0.2R	L0.2R	L0.2R
6500	R0.3L	R0.3L	R0.2L	R0.1L	0.0	L0.1R	L0.2R	L0.3R	L0.3R	L0.3R
7000	R0.4L	R0.3L	R0.3L	R0.1L	0.0	L0.1R	L0.3R	L0.3R	L0.4R	L0.4R
7500	R0.5L	R0.4L	R0.3L	R0.2L	0.0	L0.2R	L0.3R	L0.4R	L0.5R	L0.5R
8000	R0.7L	R0.6L	R0.5L	R0.3L	0.0	L0.3R	L0.5R	L0.6R	L0.7R	L0.7R
8500	R1.1L	R1.2L	R0.9L	R0.5L	0.0	L0.5R	L0.9R	L1.2R	L1.3R	L1.3R
9000	R1.7L	R1.6L	R1.2L	R0.7L	0.0	L0.7R	L1.2R	L1.6R	L1.7R	L1.7R
9500	R2.1L	R2.0L	R1.5L	R0.8L	0.0	L0.8R	L1.5R	L2.0R	L2.1R	L2.1R
10000	R2.5L	R2.3L	R1.8L	R0.9L	0.0	L0.9R	L1.8R	L2.3R	L2.5R	L2.5R
10500	R2.8L	R2.3L	R2.0L	R1.1L	0.0	L1.1R	L2.0R	L2.6R	L2.8R	L2.8R
11000	R3.2L	R3.0L	R2.3L	R1.2L	0.0	L1.2R	L2.3R	L3.0R	L3.2R	L3.2R
11500	R3.6L	R3.4L	R2.6L	R1.4L	0.0	L1.4R	L2.6R	L3.4R	L3.6R	L3.6R
12000	R4.0L	R3.7L	R2.8L	R1.5L	0.0	L1.5R	L2.8R	L3.7R	L4.0R	L4.0R

3200 2800 2400 2000 1600 1200 800 400 0
3200 3600 4000 4400 4800 5200 5600 6000 6400

AZIMUTH OF TARGET - MILS
0 DEGREES LATITUDE

Figure 7-18. Table I.

7-21

being noticed by many signs. This is most interesting, but one also much consider that the thousands of amateur astronomers around the world with software driven automated tracking telescopes would notice this immediately. Nonetheless, something to keep a watch on.

Inuit People on Sun Wrong, Stars Wrong, Earth Tilting on Axis:

<https://www.youtube.com/watch?v=dR7IIDKzd90>

Earth's Magnetic Field Shifts, Forcing Airport

Runway Change:

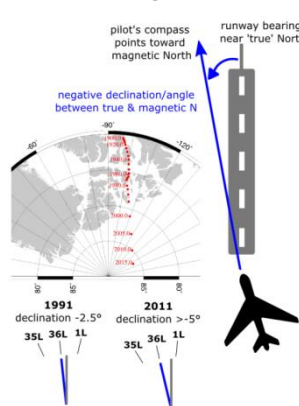
<http://www.livescience.com/9231-earths-magnetic-field-shifts-forcing-airport-runway-change.html>

Shift of Earth's magnetic North Pole affects Florida airport:

<http://news.blogs.cnn.com/2011/01/12/shift-of-earths-magnetic-north-pole-affects-florida-airport/>

Greenland sun change rising early:

<http://www.dailymail.co.uk/sciencetech/article-1346936/The-sun-rises-days-early-Greenland-sparking-fears-climate-change-accelerating.html>



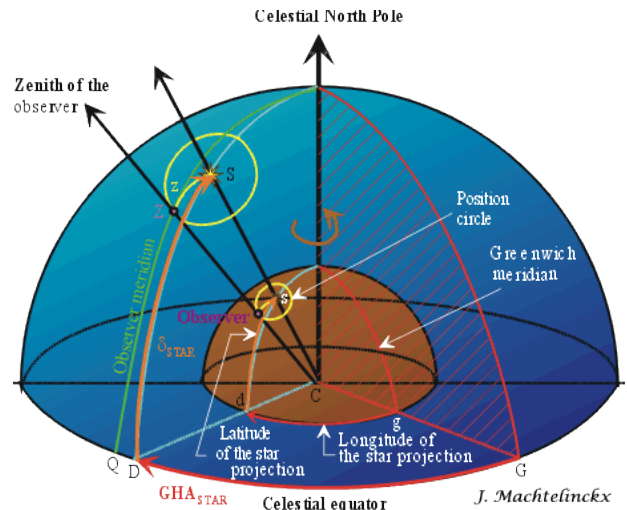
Traditional Celestial Navigation on the oceans is based upon the Earth as a sphere. While using a sextant to derive position from Sun or star is based on simple planar geometry, the actual calculation of position (via longitude and latitude) requires spherical trigonometry.

For short distances where the route is generally known simple Plane Sailing can be used, but this method is useless for long distance sea voyages where knowing one's longitude is essential to arrive safely at one's destination.

<http://astronavigationdemystified.com/>

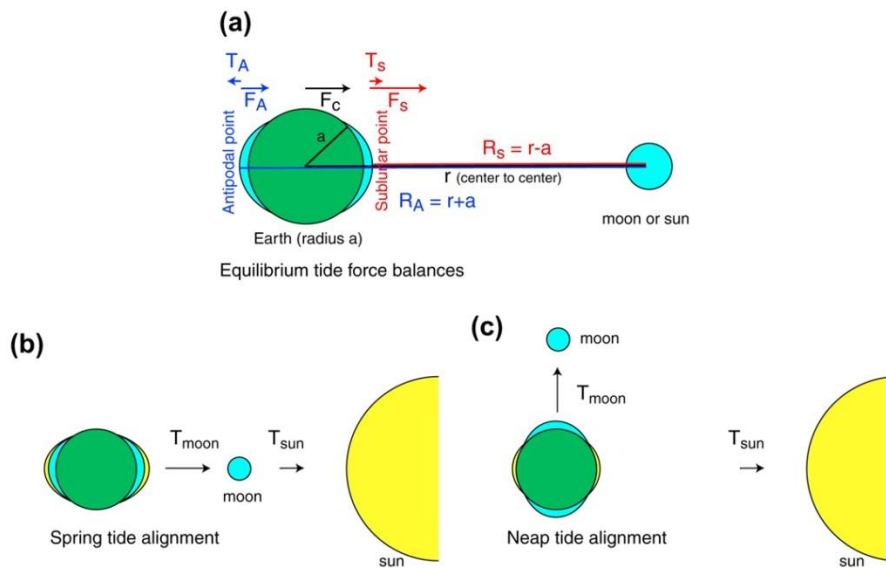
Commonly used equatorially mounted telescopes will only work on a spherical earth in order to track the stars so they don't move out of the field of vision during observation, it is programmed to rotate at the same rate as the earth but in the opposite direction. <https://vimeo.com/83318947> The calculations will be the same whether the Earth or the Heavens are rotating.

There have been claims that Earth has shifted,

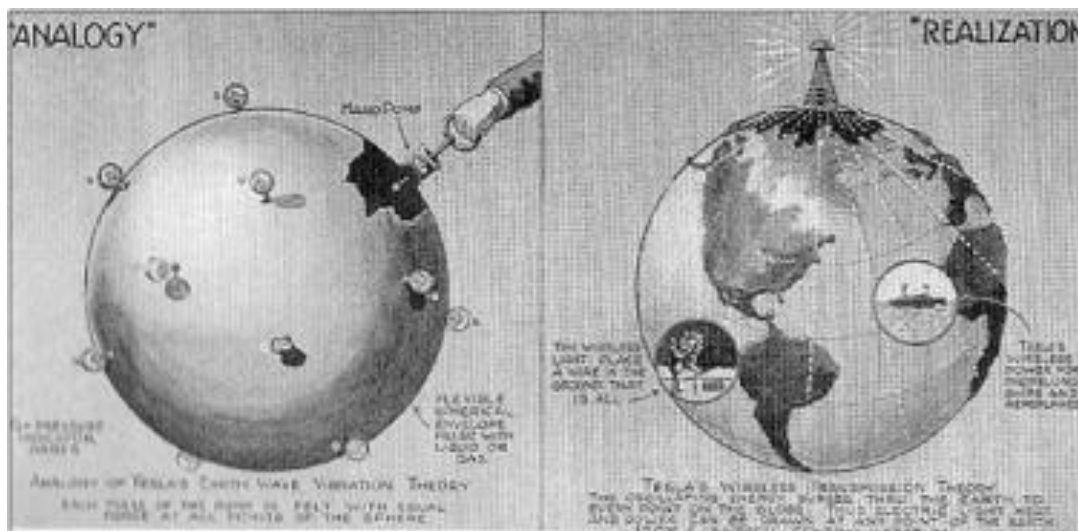


Oceanic tides are said to be resultant of a 'tug-of-war' between the Moon and the Sun. Antipodal tides are those which are on the opposite side of the spherical Earth from the moon.

<http://www.moonconnection.com/tides.phtml>



The great suppressed scientific genius Nikola Tesla certainly considered Earth a sphere, and used his view in explaining his Worldwide Wireless transmission of superluminal electric currents. In effect he was converting the Earth from an infinite resistance to a single electrical point, a concept germane to projective geometry.



Superseding the orthodox gravity-based model of the universe is the Electric Universe model. The EU model basically turns the gravity model on its head and allows for experimental investigation and reproduction of cosmic phenomena. This development in the sciences provides a new platform from which to reconsider calculations and measurements of cosmic phenomena such as cosmological redshifts, which are taken as distance measurements, with problems arising such as widely discordant redshifts in connected galaxies, and quasar redshifts up to the equivalent of 200 billion light-years (which if designating time into the past, puts them some 180+ billion years before the alleged Big Bang).

<http://www.electricuniverse.info/Introduction>

<https://www.thunderbolts.info/wp/>

<http://www.holoscience.com/wp/>

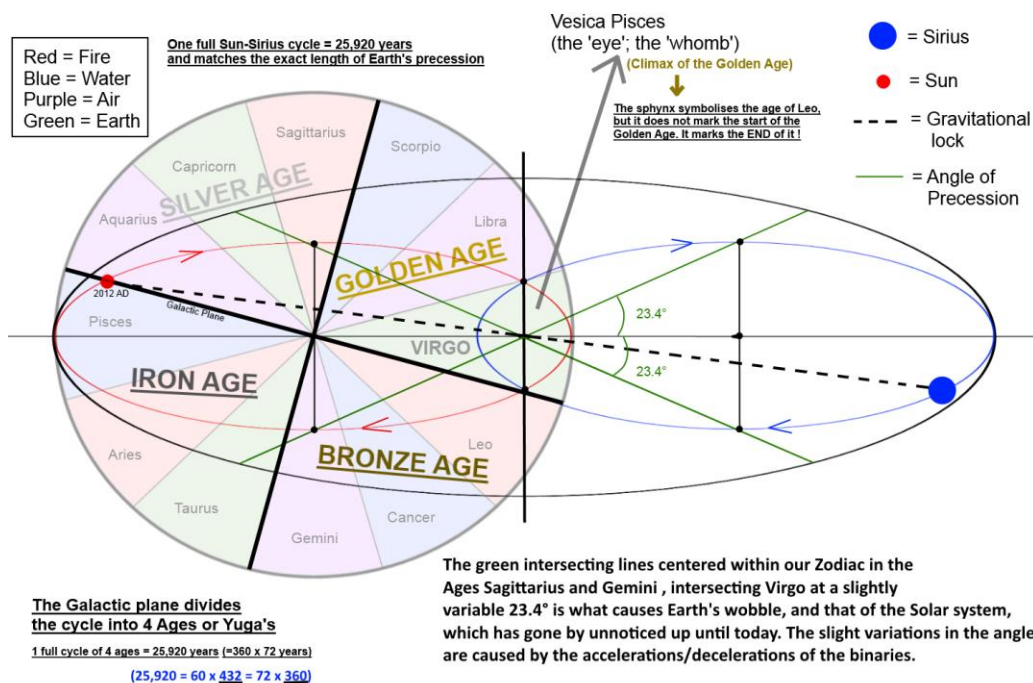
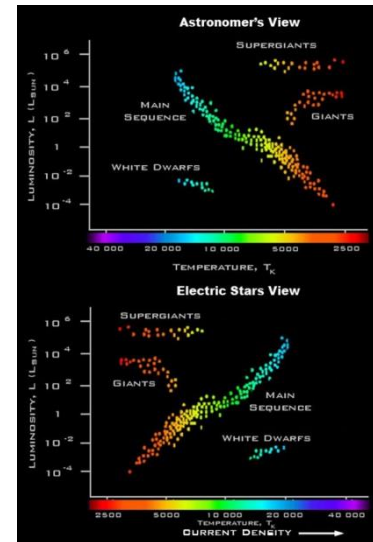
See Halton Arp's work for discordant redshifts indicating they are not a reliable measuring standard for cosmological distances:

<http://www.haltonarp.com/>
<http://www.astr.ua.edu/keel/galaxies/arp.html>

Halton Arp - Intrinsic Redshift Lecture:
<https://youtu.be/eyREfCOR-Y0>

Binary Orbit: It has been proposed that our Sun (Sol) is in a binary orbit with Sirius, this being the cause of precession and the Yugas, or World Ages. When Sol is closer to Sirius Earth receives higher energetic streams, and thus caused the legendary Golden Age. Now we are at the furthest point in the orbital cycle, causing the Kali Yuga, or Iron Age, this being noted by the Era 2012 cosmic alignment phase.

<http://www.viewzone.com/sirius.html>

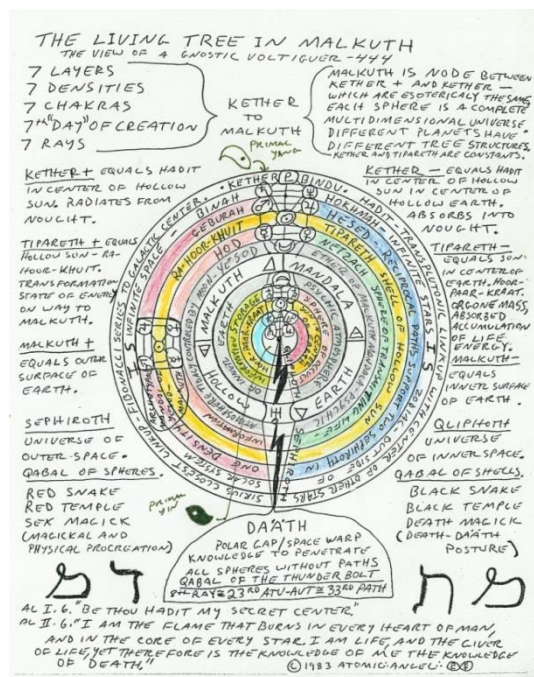


Expanding earth, expansion tectonics: this thesis posits that Earth is an expanding sphere, and research indicates that if one takes the ages of the sea floor and removes them chronologically then the continents fit together on a smaller Earth. While this model is rejected by adherents of the orthodox plate tectonic theory, there are still some excellent indications via the reduction of the sea floor to a smaller sphere.

Some writers developed more the idea of an inner world, appearing much as our outer world, by metaphysical mechanics, with the inner Sun being plasmic or organic in nature, and functioning in such a manner as to cause the appearance of day and night.

Also, it was a general theme positing the openings at the poles. It is said that Admiral Byrd flew into one of these at the North Pole, but the data supporting that story ("Secret Diaries") is suspect, and there is a dearth of useful satellite photos of the poles to follow this claim up. The Hollow Earth Theory is not reliant on the holes at the poles claim, which is but one perspective.

There is the theory that we are on the inside of the Hollow Earth, and that subject will be dealt with in the next section. Pictured here is a Hollow Earth Qabalah proposing metaphysical archetypes as a methodology for cognising the hollow Earth as a functional reality.



<http://www.viewzone.com/hollowearth.html>

<http://aetherforce.com/newtons-theory-of-gravity-and-the-hollow-earth/>

Canopy theory



Isaac Newton Vail proposed what is known as the Nebular or Canopy theory, that in the formation of Earth from a plasmic state the cooler density materials formed an inner sphere, the lighter to the outside. There was a layered collapse over time. The final remaining concentric sphere aloft was that of the oceans, which, when they fell, caused the great catastrophe known as the flood of Noah.

http://www.velikovsky.info/Isaac_Vail

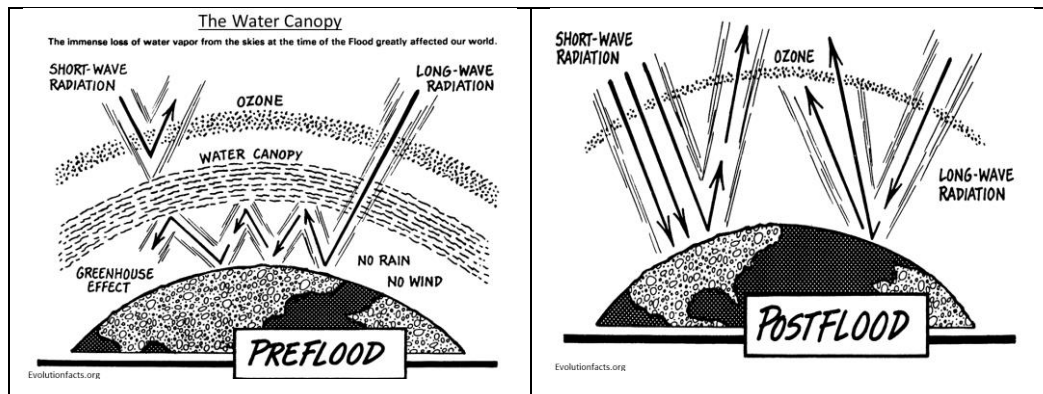
<http://borderlandresearch.com/were-the-oceans-once-in-the-skies>

<http://borderlandresearch.com/book/astounding-ice-ages>

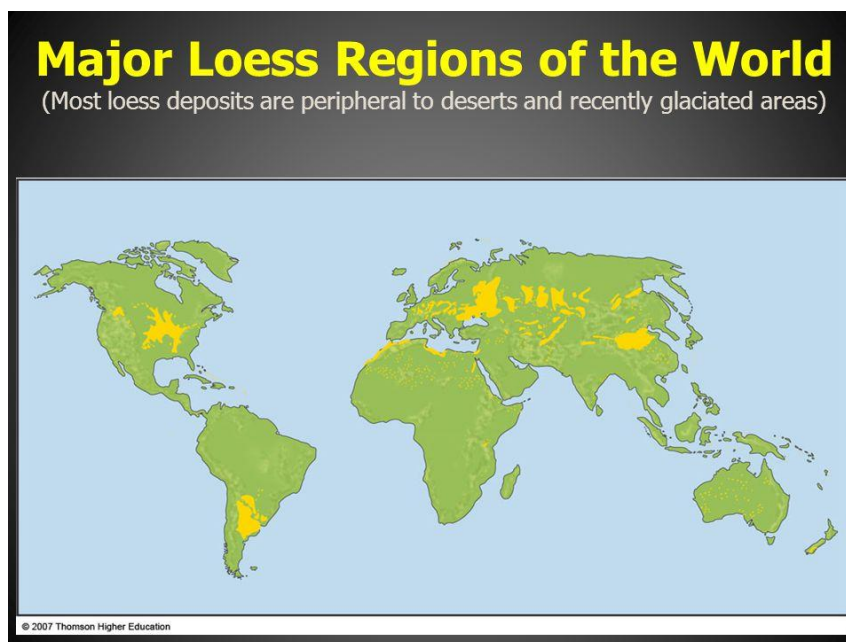
http://www.personal.psu.edu/jmc6/CFSF/Articles/brown_canopy.pdf

While this theory doesn't fit all the data, it does provides many interesting considerations as far as the origins of the geological column itself, along with some of the petroleum deposits. It makes sense when one looks at the geological structure of the earth both horizontally globally & vertical stratigraphically. The different 'ages' have their individual global spread; the geological column is never really complete in one area, often major gaps like at the bottom of the Grand Canyon:

"Rocks of the Ordovician and Silurian Periods are missing in Grand Canyon. Temple Butte Limestone of Devonian age occurs in scattered pockets. Redwall Limestone rests on these Devonian rocks or on Muav Limestone of much earlier Cambrian Age." A QUESTIONABLE 200-MILLION-YEAR HIATUS - <http://www.science-frontiers.com/sf051/sf051g11.htm>



Working backwards in time start with the canopy collapse, say 12,000 years ago, which flash froze the mammoths when it pulled in space from beyond the troposphere where the waters would have electrically collapsed where the aurora bands are... iced the poles (don't forget the Maps of the Ancient Sea Kings, Antarctica with no ice)... left the loess soils as final geological overlay in two general bands around the earth below the permafrost areas, which has been pegged as extraterrestrial in origin (See Richthofen http://en.wikisource.org/wiki/Popular_Science_Monthly/Volume_24/December_1883/The_Loess-Deposits_of_Northern_China for a great description of the yellow soils of China which are vast allegedly-aerial loess deposits (along with Ukraine, Council Bluffs, Iowa, all on the same band; Southern hemisphere pampas of Argentina, South Island of NZ...)



Also, that event created the vast surficial geological disruptions acclaimed as ice-age evidence as the waters washed around the globe, mixing ground-up African lion with Arctic seals and others into masses of bones & depositing them in fracture caves along southern England, Spain, France, NZ has some, different species & mixes in diverse areas but some global distribution of similar.

Massive fossil Boneyards found all over the world: <https://s8int.com/boneyard1.html>

A comet has also been proposed as source for the evidence of a great past catastrophe, and there are certainly strong indications of this possibility.

<http://www.scientificamerican.com/article/did-a-comet-hit-earth-12900-years-ago/>

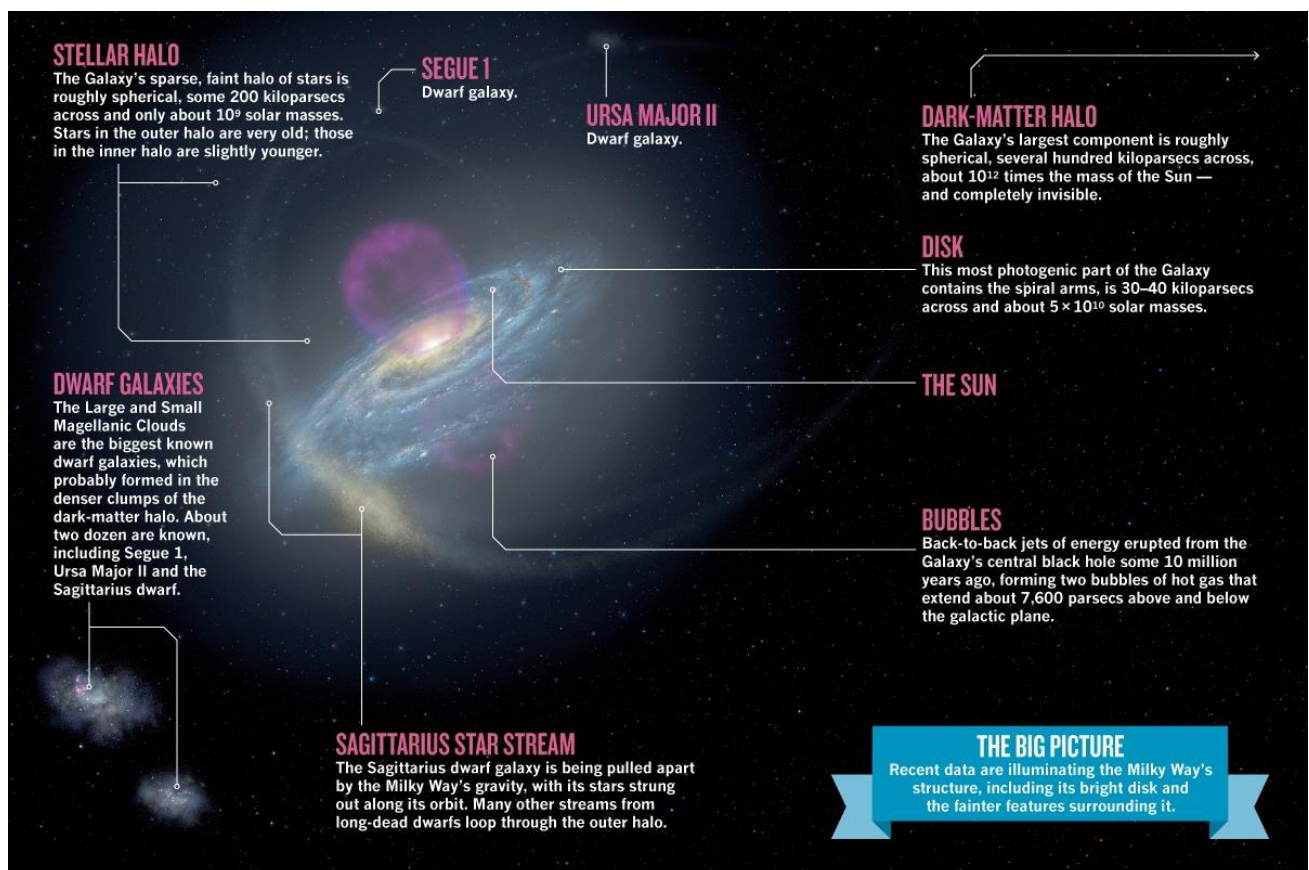
And various other scientific data on a global flood:

http://www.earthage.org/EarthOldorYoung/scientific_evidence_for_a_worldwide_flood.htm

Is our Sun from the Sagittarius Dwarf Galaxy?

<http://viewzone.com/milkyway.html>

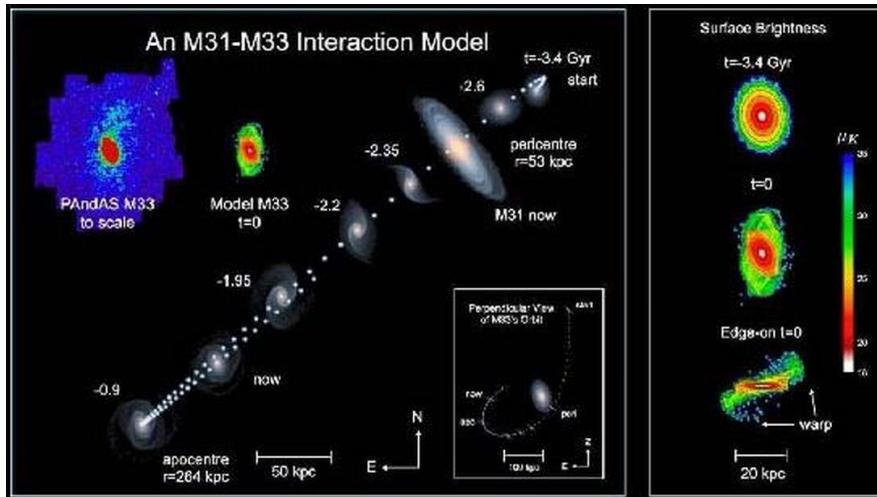
Debunked <http://blogs.discovermagazine.com/badastronomy/2007/06/27/is-the-sun-from-another-galaxy/#.VqBw4vI9600>



What is interesting about this is not whether or not our Sun came from interactions with the Sagittarius Dwarf Galaxy, but the actual model where dwarf galaxies interact with main galaxies. The exact same process is happening in our closest galactic neighbor, Andromeda.

Andromeda (M31) and Triangulum (M33) interaction from star remnants observations:

<https://www.youtube.com/watch?v=6eZm3LHlyrs>



*** **

"It may be boldly asked where can the man be found, possessing the extraordinary gifts of Newton, who could suffer himself to be deluded by such a hocus-pocus, if he had not in the first instance wilfully deceived himself;

Only those who know the strength of self-deception, and the extent to which it sometimes trenches on dishonesty, are in a condition to explain the conduct of Newton and of Newton's school. To support his unnatural theory Newton heaps fiction upon fiction, seeking to dazzle where he cannot convince.

In whatever way or manner may have occurred this business, I must still say that I curse this modern history theory of Cosmology, and hope that perchance there may appear, in due time, some young scientists of genius, who will pick up courage enough to upset this universally disseminated delirium of lunatics." ~ Johann Wolfgang Von Goethe

Geocentric – Anthropocentric Universe

“People need to be aware that there is a range of models that could explain the observations... For instance, I can construct you a spherically symmetrical universe with Earth at its center, and you cannot disprove it based on observations... You can only exclude it on philosophical grounds... What I want to bring into the open is the fact that we are using philosophical criteria in choosing our models. A lot of cosmology tries to hide that.” - George Ellis, Scientific American, October 1995,

Geocentrism is the belief that Earth is in the center of the universe. Whatever Earth model people believed in, spherical, flat, etc, in general prior to the Copernican Revolution all models assumed Earth at the center of Creation. This is certainly understandable, as this is how we directly perceive our place in the world.

The Tychonian geocentric model is still used today for astronomical calculations, so there is definitely a very real ‘apparent’ aspect to it as far as functionality.

Walter van der Kamp's De Labore Solis - or Airy's Failure Reconsidered,

<http://borderlandresearch.com/book/de-labore-solis> discusses the Tychonian model as a physical reality based on the negative results of Airy's early parallax experiments which failed to measure the expected required angle changes for the Copernican model. Thus were launched several hundred years of ether drift experiments, seeking to measure an aether which had to be dragging starlight around the sun, entrained by the earth, in order for the heliocentric model to work.

Sites such as

<http://galileowaswrong.com/>

<http://geocentrism.com/>

promote Airy's Failure and the subsequent failure of ether drift experiments to measure either ether drag or the absolute motion of the Earth up to the famed Michelson-Morely experiments as proof of a non-moving geocentric Earth.

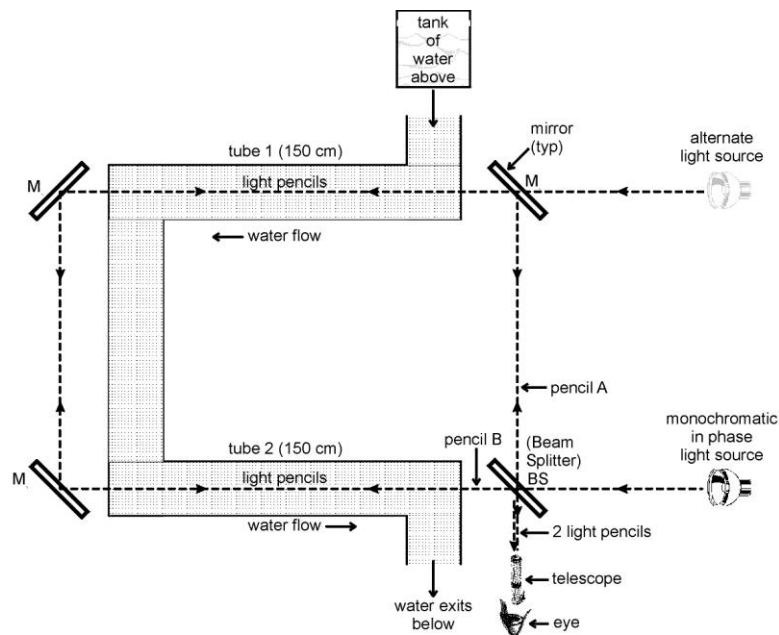


Figure 7.3 The So-Called 'Ether Drag' Experiment Of Fizeau Which Paradoxically Determined The Velocity Of Light In A Moving Medium (Water)

Source: See Born, p. 139

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Chapter Seven

Orthodoxy also uses the negative results of the ether drift experiments as a platform to launch Einstein's Relativity Theory.

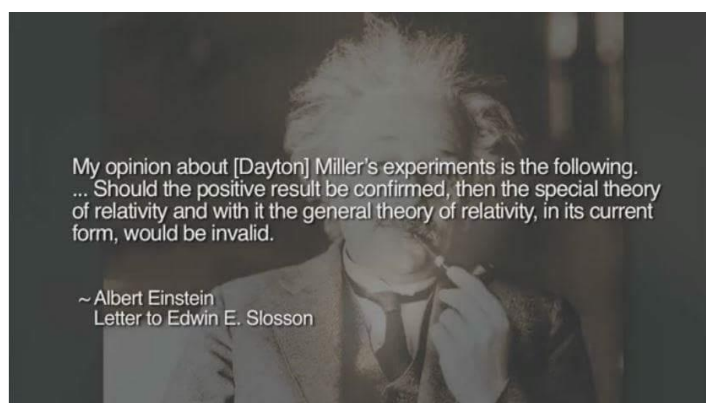
However, Dayton Miller carried on with the ether experiments and by 1933:

"Miller concluded that the Earth was drifting at a speed of 208 km/sec. towards an apex in the Southern Celestial Hemisphere, towards Dorado, the swordfish, right ascension 4 hrs 54 min., declination of $-70^{\circ} 33'$, in the middle of the Great Magellanic Cloud and 7° from the southern pole of the ecliptic. (Miller 1933, p.234) - <http://www.orgonelab.org/miller.htm>

The Ether-Drift Experiment and the Determination of the Absolute Motion of the Earth by Dayton C. Miller <http://www.anti-relativity.com/Miller1933.pdf>

http://ether-wind.narod.ru/Miller_1933/204.html

<http://www.newgeology.us/presentation45.html>



Except the Michelson-Morely paper says no such thing.

It specifically says: we find the aether drift to be probably less than $1/6$ the orbital velocity of the earth and perhaps as high as $1/4$ the orbital velocity of the earth. (Top of page 341 in the original.)

An aether drift of $1/6$ the orbital velocity of the earth would be about 5.7 kilometers per second, which is well within the 4-40kps predictions of the time. Obviously a velocity of $1/4$ the orbital velocity of the earth would be even faster.

Here's a PDF of the original paper, which I believe was a Yale geology publication:

<https://www.aip.org/history/exhibits/gap/PDF/michelson.pdf>

Stellar parallax in the Neo-Tychonian planetary system

<http://arxiv.org/abs/1302.7129>

Geocentric And Heliocentric Stellar Parallax Equivalence Animation

<https://www.youtube.com/watch?v=stIDO8QBhww>

Geocentric Stellar Parallax Explained Animation

<https://www.youtube.com/watch?v=Wz08O9SNmcY>

GEOCENTRISM-Sagnac's experiment - an animated explanation

<https://www.youtube.com/watch?v=SWmlimH7laY>

Flat Earth PsyOp Against Documentary "THE PRINCIPLE" Goes into Overdrive!

<http://into-overdrive.beforeitsnews.com/alternative/2016/01/flat-earth-psyop-against-documentary-the-principle-goes-into-overdrive-3287458.html>

After reading on Airy's Failure and related ideas on the history of ether drift experiments back in the 1980s I went and sat in my garden and started wondering what it would feel like to be in the Tychonian / pre-Copernican world. Almost instantly I realized that is the world I have always lived in by direct experience, the heliocentric model only exists in my imagination from what I had been taught, regardless of whatever scientific evidence supports its reality (of which I accepted much, being an avid follower of various scientific disciplines). However, the heliocentric scientific model certainly was not the final story if one considered all the evidence extant.

There are the previously mentioned discordant redshifts, giving rise to the thesis that that quasars are nearby protogalaxies emitted from the cores of galaxies undergoing galactic core eruptions.

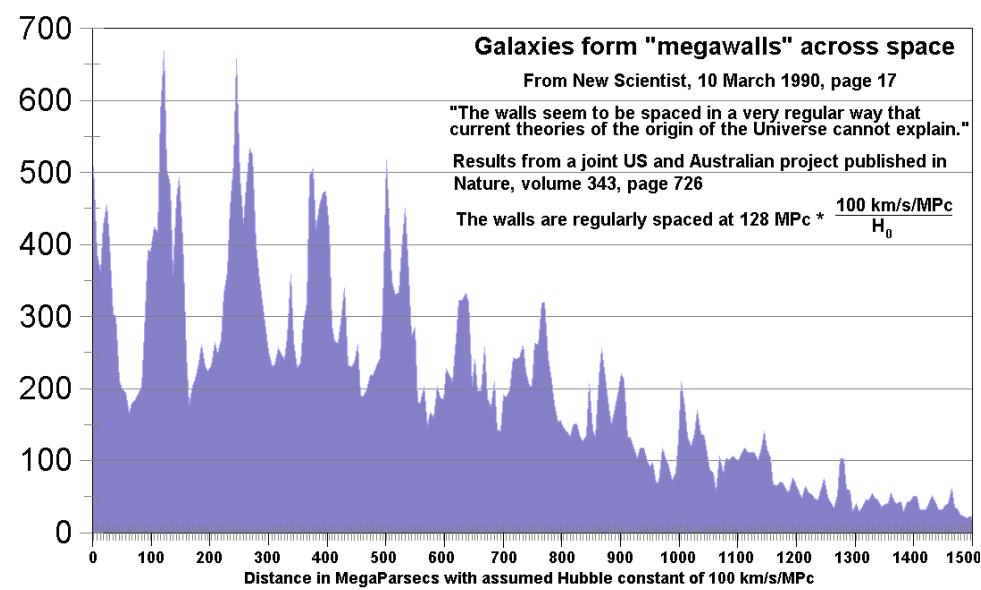
Halton Arp, Intrinsic Redshift: <https://www.youtube.com/watch?v=eyREfCO-rY0>

And the redshifts are quantized, that is they appear to be, if one considers them measures of distance, in shells around the earth, as though the earth is the center, the universe is all expanding away from our central Earth position in that model.

https://en.wikipedia.org/wiki/Redshift_quantization

<http://creation.com/our-galaxy-is-the-centre-of-the-universe-quantized-redshifts-show>

"[Redshifts] would imply that we occupy a unique position in the universe, analogous, in a sense, to the ancient conception of a central Earth[...] This hypothesis cannot be disproved" - Edwin Hubble in *The Observational Approach to Cosmology*



A recent documentary, The Principle, <http://www.theprinciplemovie.com/> argues for geocentrism based on measurements of the Cosmic Microwave Background radiation, said to be the thermal

radiation remaining from the formation of baryonic (atomic) matter following the alleged Big Bang. From the readings a strong anisotropy was recorded, now termed the Axis of Evil, whose dipoles and quadrupoles appear potentially aligned with Earth's Ecliptic and Equatorial planes.

The Principle hypothesizes that these anisotropies confirm that the formation of Earth took place in the center of Creation. However, there is strong opposition to that view, claiming gross inaccuracies.

<http://www.geocentrismdebunked.org/sungenis-fails-cmb-challenge/>

There are also other alternative explanations for the CMB, first a catastrophist's hypothesis:

<http://cycliccatastrophism.org/2015/12/17/was-an-impact-on-jupiter-the-origin-of-the-cmb/>

<http://cycliccatastrophism.org/2015/05/03/nasa-juno-will-explain-the-axis-of-evil/>

And Pierre-Marie Robitaille's explanation, in congruence with the Electric Universe thesis, that the CMB is caused by Earth's oceans, and thus this explains the alignment with ambient microwave radiation surrounding our planet.

<https://www.thunderbolts.info/wp/2014/04/25/pierre-marie-robitaille-the-cosmic-microwave-background-eu2014/>

which is interesting because oceans have been suggested as a potential cause, or at least as a modifier of Earth's magnetic field!

http://news.nationalgeographic.com/news/2009/06/090622-earths-core-dynamo_2.html

The geo- or anthropocentric world is supported by an incredible amount of evidence, much collected by Anthroposophical researchers working out of Rudolf Steiner's indications. All living things - plants, animals, humans - on our planet have biological rhythms and shaping from formative forces affected by the direct appearance and motion of the planets, sun and moon as perceived from earth.

Journal of Biological Rhythms (JBR) presents work at the forefront of understanding the basic nature, mechanisms, and functions underlying the generation, entrainment, and expression of biological rhythms in plants, animals, and humans. It emphasizes original interdisciplinary research, primarily on circadian and seasonal rhythms. Rhythms are placed within the context of the functional significance for the health and well-being of relevant organisms, including humans. <http://jbr.sagepub.com/>

Even Oxford press has published on scientists who have come to the conclusion that there is an anthropic cosmological principle, which the universe's design is destined to support our lives, that it must be compatible the consciousness which observes it:

<http://www.amazon.com/Anthropic-Cosmological-Principle-Oxford-Paperbacks/dp/0192821474>

However this anthropic model draws on probability out of multiverses of possibilities, and in essence remains as an Atheistic approach, with reliance on standard physics for the general model.

https://en.wikipedia.org/wiki/Anthropic_principle

<http://www.joedubs.com/the-anthropic-principle/>

Rudolf Steiner's anthroposophical indications to scientists and agriculturalists in his erudite circles supports an anthropocentric functional system.

Lilly Kolisko, for example, did four decades of crystallization experiments with metallic salts. Steiner tasked her with physically describing a link as considered in alchemy between the noble metals and the 'planets' of old (the luminaries); Sun-gold, Moon-silver, Venus-gold, Mars-iron, Jupiter-tin, Saturn-lead. For example she would dissolve gold chloride in aqua regia acid and take a 10x10cm square of blotter paper rolled into a cylinder and place it vertically into a petri dish with the solution; she would do this during various geocentrically-observed cosmic events (planetary relationships of angular relationships of 15 degrees and multiples) and watch the crystal-forming patterns. There are naturally thousands of these experiments, but one prime example is that gold crystallized imperfectly during a solar eclipse, when the moon blocked the sun.

My late wife Alison Davidson wrote a book on her work:

<http://borderlandresearch.com/book/metal-power>

Some of Kolisko's research:

<http://borderlandresearch.com/book/spirit-in-matter>

<http://borderlandresearch.com/book/working-with-the-stars-in-earthly-substance>

Rudolf Hauscka, founder of Wala Pharmaceuticals (Dr. Hauscka's cosmetics are named after him) did experiments following on from earlier experiments, where sprouts were grown from standardized seeds in distilled water inside sealed containers, and their weight was measured by accurate scale. It was shown that matter appears and disappears as the Moon goes through its phases,

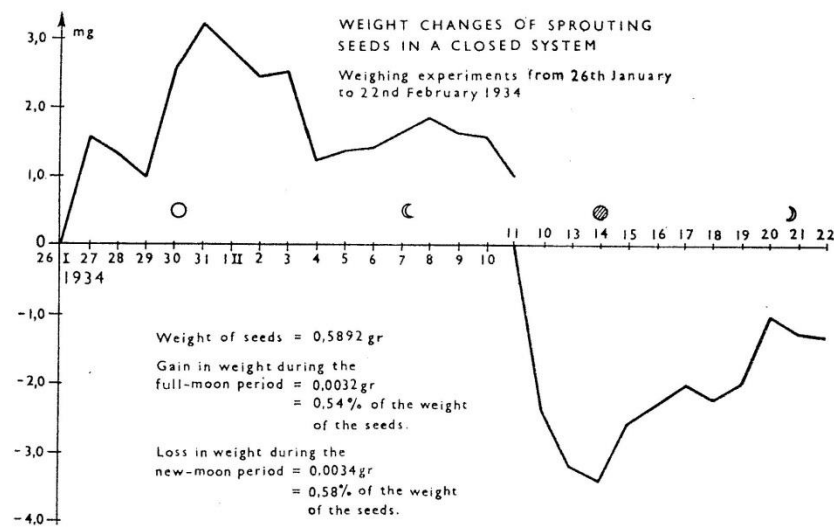
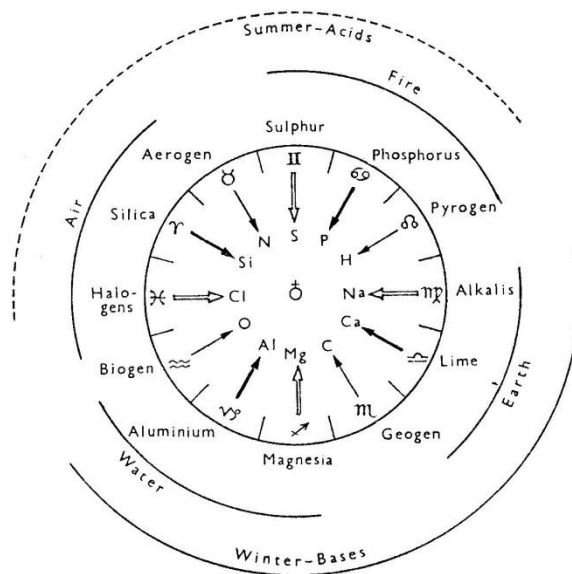


Fig. 1

then they were autoclaved and mineral analysis performed. The mineral content was then charted on a timeline. Over a dozen years Hauscka showed that specific elements have a measurable connection into the plant world at specific times of the year, as the sun processes around the ecliptic.



See his Nature of Substance:

<http://www.amazon.com/Nature-Substance-P-Rudolf-Hauschka/dp/1855841223>

Then there is the obviously related cosmological botany dealing with plant tropisms and forms, based on both the helio and geocentric motions of the planets, and also providing comprehension of gravity being the common name one pole of the gravity-levity polarity:

We find that in the realm of life. Gravity is not a single force, but one pole of a primary polarity, the other pole is levity. Levity is natural in the older forms of consciousness, it was the mid-15th century Platonic Academy, also known as the Florentine Academy that put stop to that with their *Contra Levitatem* dictate at the birth of modern chemistry and materialistic science. We have Levity contra Gravity as can be seen if we view the top of a plant the same way we view the roots. The roots are embedded in the earth under the forces of gravity, the visible plant is embedded in the ethers under the force of levity which drew it from the ground and gave it its shape forming characteristics. Newton saw the apple drop and science considers the gravity the primary force. Newton never asked how the apple got its form and grew upwards contra gravity to be able to drop at the end of its growth cycle.

The shape forming characteristics are the relationships of the diverse forms of plants to the planetary motions, both in an archetypal sense in form, but also in an active living sense in the various plant tropisms. We know of plants that follow the sun through the day, such as the sunflower. There is much wisdom in planting to the moon cycles to allow roots to develop their best. All plants have reactions to the planets as well. The archetypal plant is precisely the geocentric and heliocentric relationships of our solar system intertwined. This is much easier to visualize with pictures, even moreso studying plants in the right format.

<http://www.bookdepository.com/Planetary-Influences-upon-Plants-Ernst-Michael-Kranich/9780938250203>

<http://www.budworkshop.co.uk/>

<http://www.vortexoflife.org.uk/Research.htm>

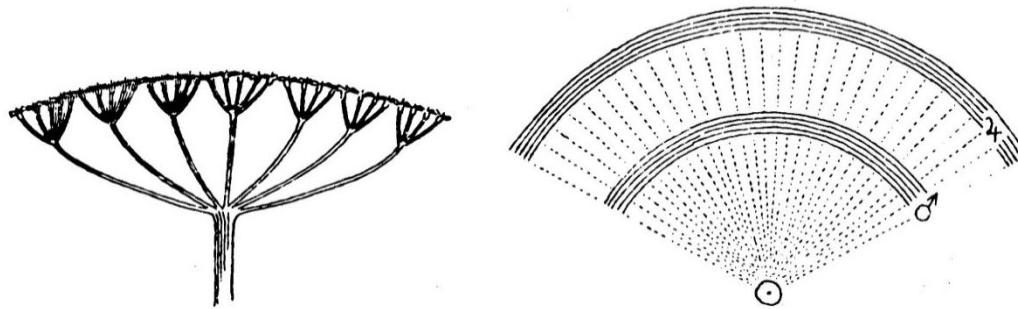
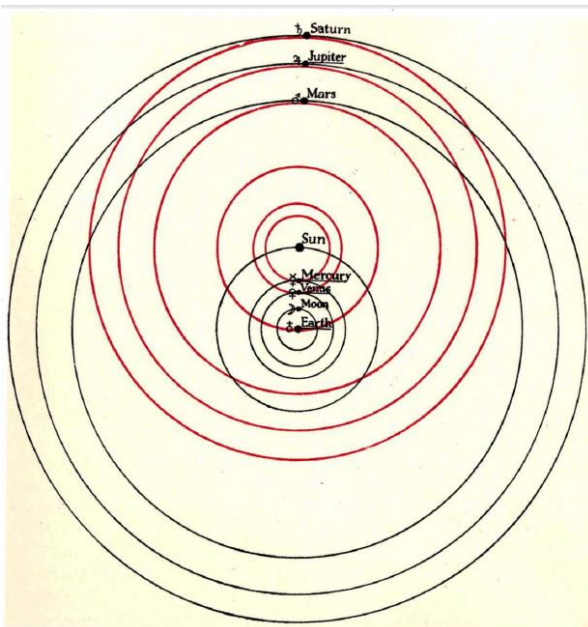


Fig. 46 Inflorescences of the *Umbelliferae* with their double structure in the space above the shoot in its relationship to the spheres of Mars and Jupiter containing the sun.

These are strong indications of a higher order life body around the Earth. In Guenther Wachsmuth's *Etheric Formative Forces In Cosmos Earth and Man* there is a diagram showing both the geo and heliocentric models interwoven, in an explanation of the influence of planetary spheres on Earth life.



“In considering the action of the planets upon terrestrial occurrences, it will be necessary in future to take a much broader view if we are desirous of reaching a comprehensive grasp of the group of facts under consideration. The wise men of past centuries, especially those of the Chaldeans and the Egyptians, possessed a knowledge of these things which, unfortunately, is entirely lost in essential points to our own age, so extraordinarily proud of its scientific achievements. It is fortunate that it has occurred to some of the most advanced investigators to bring the action of the planets under consideration in exact fashion in relationship with the earth, although we

are only at the beginning of this inquiry.” ~ Guenther Wachsmuth

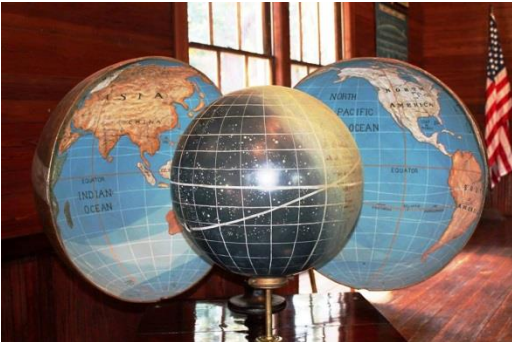
<http://www.slideshare.net/elsavonlicy/etheric-formativeforcesinearthcosmosandmanbyguentherwachsmuth-ocr>

The heliocentric model is basic space as presently conceived by the status quo paradigm, it is like our skeleton, deep within our being; the geocentric model is like our living flesh on top. All biological life relates to the geocentric, or more properly anthropocentric, which is why Steiner termed his work Anthroposophy. In effect the Tychonian model is a “Virtual Reality” running on the circuitry of the heliocentric model.

Concave Earth - Geocosmos

Inside the Hollow Earth!

In the Geocosmos we encounter the belief that we live inside of a hollow shell 8,000 miles in diameter, instead of on the outside of a convex globe.



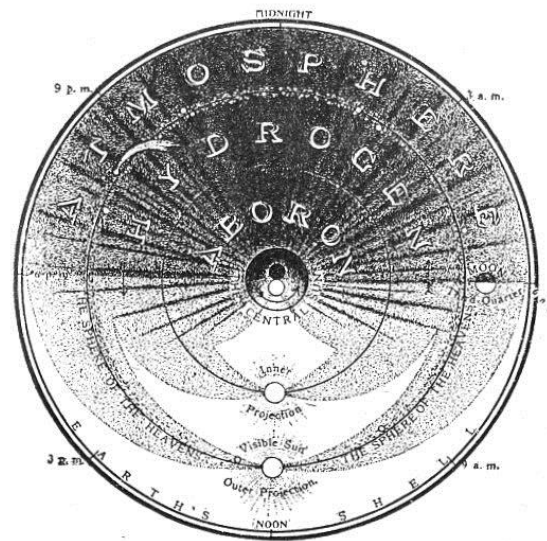
This worldview was promoted by Cyrus Teed, who after being electrically shocked in an experiment in 1869 took the name Koresh and began his crusade to confirm to the world that we live inside a globe.

The premise for this is that it is a more compact, functional Creation, for creation happens within shells and wombs, our shell being the generative container for our development.

This concavity allows for explanations of such phenomena as the horizon always being at eye level at great elevations above sea level, at least up to the outer atmosphere. Appearances of Earth being beneath at greater heights are explained by light ray curvature and atmospheric refraction. Also, the apparent flatness of the Earth, as seen across the seas, is also attributed to this curvature of light.

The fact that buildings and mountains can be seen at a greater distance than Earth curvature will allow has long been held as proof of the Geocosmos.

The visible Sun, Moon and stars are projections on our outer atmosphere from higher metaphysical mechanics.

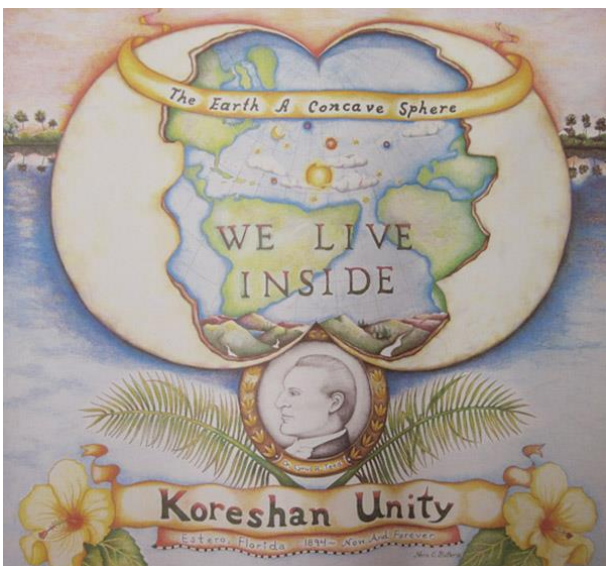


To prove his contention as to the shape of the Earth Koresh and his followers used a device called the Rectilineator, invented by his associate Professor Ulysses G. Morrow, to geodetically measure the surface of the planet to see if it curved up or down over long distances, six miles.

Koresh memorialized these experiments in his Cellular Cosmogony - Earth a Concave Sphere <http://www.sacred-texts.com/earth/cc/index.htm>

In all the Koreshian experiments the results measured the surface of the Earth as curving up, confirming we live inside a concave universe.

Much has been written and speculated on this. In Turning the Universe Inside-out by Donald Simanek, he seeks to debunk the Koreshian experiments by claiming an error which falsely showed concave instead of convex, but admits the curvature was measured exactly, if in reverse.



<https://www.lhup.edu/~dsimanek/hollow/morrow.htm>

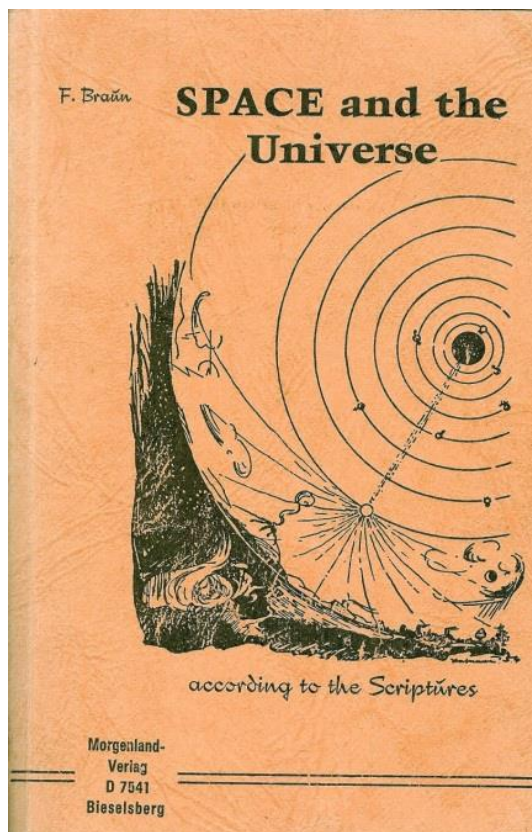
Simanek's points are well addressed and countered in **The Rectilineator Documentary** by Steven Christopher <https://www.youtube.com/watch?v=2linxfgwR0w>

Steven is working to reproduce these experiments in 2016 on South Padre Island, Texas. The results will be most interesting: <http://geodeticconcavity.com/about/>

A suggestion from an engineer, Brian Mullins, on how to measure the curvature: Force the line: <https://www.youtube.com/watch?v=zSdo1lo8T5Q>

Heliocentric Vs Concave Geocentric Model Of Our Universe
<https://www.youtube.com/watch?v=KGInepA4VN8>

There was a top secret Nazi program to research the geocosmos. In 1942 Dr. Heinz Fisher, an expert in infrared, led an expedition to the Baltic island of Rügen. This was under the express approval of Goering, Himmler and Hitler, and was considered by the Admiralty General Staff to be of critical importance to the war effort.



The experiments were to obtain infrared imaging of the British fleet in the North Sea from the Baltic by pointing their equipment at a 45° angle to the sky.

Reports are that the experiments failed, and some of those involved, Peter Bender and others, were imprisoned.

Nonetheless, top German scientists using precious resources at the height of WWII makes one wonder what info they had to consider and execute this operation (and they did much more along those lines too!)

Some say that such efforts were part of the purpose of the German base at Neuschwabenland in Antarctica, to get out of the hollow earth and see the outside world.

Another indication of Earth's concavity is the so-called Tamarack Mine Mystery, where 4250 foot long plumb bobs were suspended down parallel minshafts at the

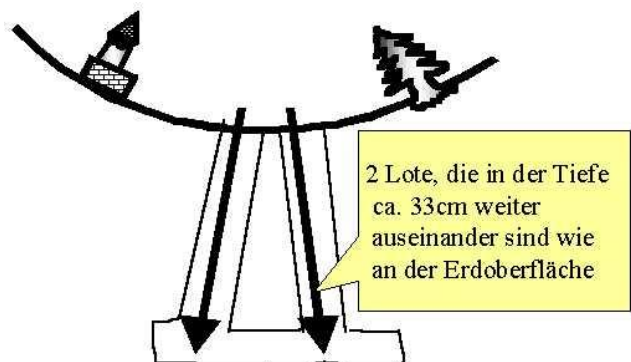
Tamarack Coper mine in Michigan. Simple geometry could then be used to measure the size of the planet, but instead of the bob ends being closer together they were farther apart. Teed and Morrow utilized the results of this experiment in their thesis.

The Startling Testimony of Plumb-Lines by Ulysses Grant Morrow:

<https://www.lhup.edu/~dsimanek/hollow/morrow1.htm>

Earth's Center of Gravity - Up or Down? By Ray Palmer

<http://www.rolf-kepler.de/elot.htm>



A GEOCOSMOS: MAPPING OUTER SPACE INTO A HOLLOW EARTH

MOSTAFA A. ABDELKADER

25 Sh. Champollion, Alexandria, Egypt.

Received: 20 August 1981

Abstract

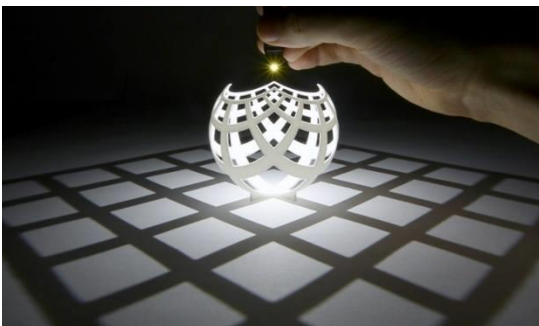
We regard the earth's surface as a sphere and apply a purely mathematical mapping taking outer space in the Copernican universe (C) into a hollow earth, Geocosmos (G). The enormous galaxies and other remote objects are mapped inside as microscopic objects, and our moon as by far the largest of the celestial objects, all of which revolve daily around the earth's axis. Straight rays of light are mapped as arcs of circles, so that all celestial phenomena appear to inside observers in G just as they do to outside observers in C. We next consider the hypothesis that, conversely, our actual universe is this finite G. Then there seems to be no way of testing this, except by drilling a hole right through the earth's centre. However, in C the origin of cosmic rays of super-high energies is very controversial, whereas in G it is unequivocal. The idea of G was first conceived qualitatively by Karl E. Neupert in 1900; our revival is somewhat different. The main appeal of G stems from the very grave difficulty of believing in the fantastic vastness of C, and the consequent reduction of the earth to an infinitesimal.

The concave model does not deny the possibility of other worlds with life, rather the universe can be infinite and filled with life, yet we're still concave. In this model space is dimensional, projective.

Space is not 3D, the three dimensions are imposed by our consciousness in its assessment of objective reality. The three dimensions are proprioceptive, that is, internalized and requisite to our orientation. Steiner indicated it was a grave error of materialistic consciousness to externalize them as a metric of space. Space functions on projective geometry, with a spatial-counterspatial polarity.

In ancient cosmological diagrams the "spheres" of the heavens are shown. If one considers these as true dimensionally layered formative spiritual stages seen in the light of projective geometry and spatial-counterspatial polarities in extension, then it is no problem fitting a universe inside such an anthropocentric sphere.

Whether or not this can be proven, whether the true nature of our Earth plane, convex, concave, or flat, can be absolutely determined by measuring and calculating, these are certainly fascinating considerations most interesting to research.



<http://borderlandresearch.com/book/the-idea-of-counterspace>

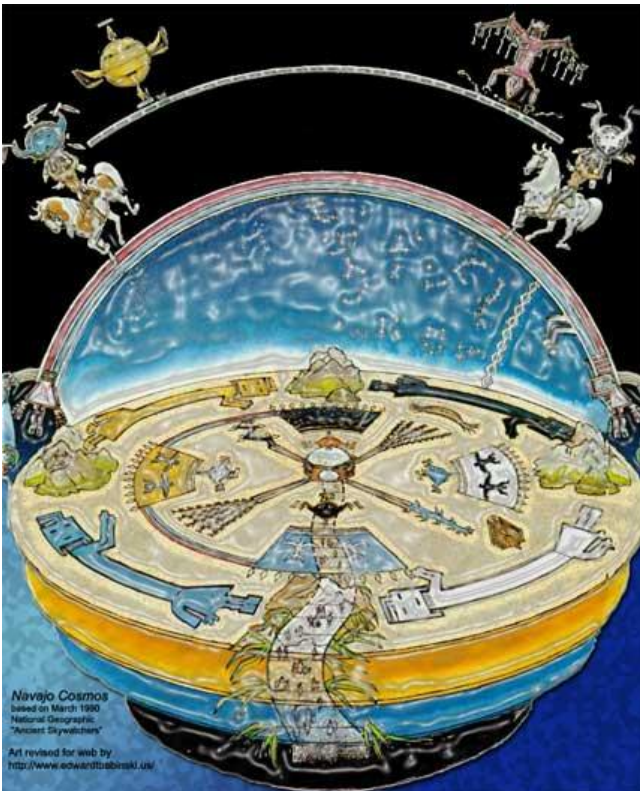
<http://nct.goetheanum.org/counter.htm>

An Introduction To Counter Space

<https://www.youtube.com/watch?v=mGf36UQ9eIE>

Flat Earth - Infinite Plane

The senses don't deceive, the judgment deceives. ~ Goethe



The flat Earth model is an ancient cosmology, with Earth being a plane or flat disk, covered with a dome or crystal firmament. Many culturally diverse and widespread variations existed in the past, some still standing as great metaphysical truths, such as in the Vedic sciences.

These flat Earth models existed in part as both cosmology and cosmography, though these connections were progressively severed as cosmologies lost touch with the inner spiritual structures and cosmographies became more materialistic in their search for the true nature of objective manifestation.

While scientific and philosophical observations over the last 2500 years have been in general support of the spherical model of the Earth, there is now a resurgence of interest in the flat Earth model, with fascinating questions being posed. What is important here is that people are questioning the very pillars of reality, though it

appears much is based on fundamental beliefs and limited knowledge. Nonetheless, it signals another stage in the awakening of humanity, whether it is engendered into a larger scope or used to limit and detain consciousness is a matter to be discerned as time progresses.

It is often said that in the past all people thought the world was flat, and Columbus set out to prove it was spherical. However, Columbus believed the Earth was round, he was simply wrong on the size calculations, assuming he would find Asia where the Americas are. The consideration of this flat Earth myth has been shown to be incorrect:

Inventing the flat Earth: http://www.amazon.com/Inventing-Flat-Earth-Columbus-Historians/dp/027595904X/ref=la_B000APW6O8_1_1?s=books&ie=UTF8&qid=1451262547&sr=1-1

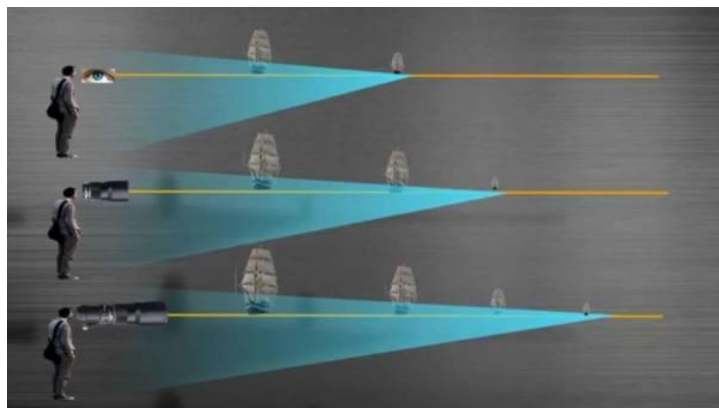


With debate, open challenges, and experiments people are actively seeking evidence for either flatness or curvature of the Earth. The Flat Earther's are at a disadvantage, as there is much data to confirm a definite spherical nature to our Earth Plane, but that does not daunt the hardcore and no doubt that if this matter is pursued with an open mind that we will be able to further refine our cosmographical universe.

There are certainly what appear as anomalies with the horizon, it looks flat and remains at eye level to great heights (which is one of the claimed proofs for the Geocosmos). For example, many lighthouses can be seen from far beyond what Earth's curvature should allow, according to certain mathematical equations and understandings of our perspectives given

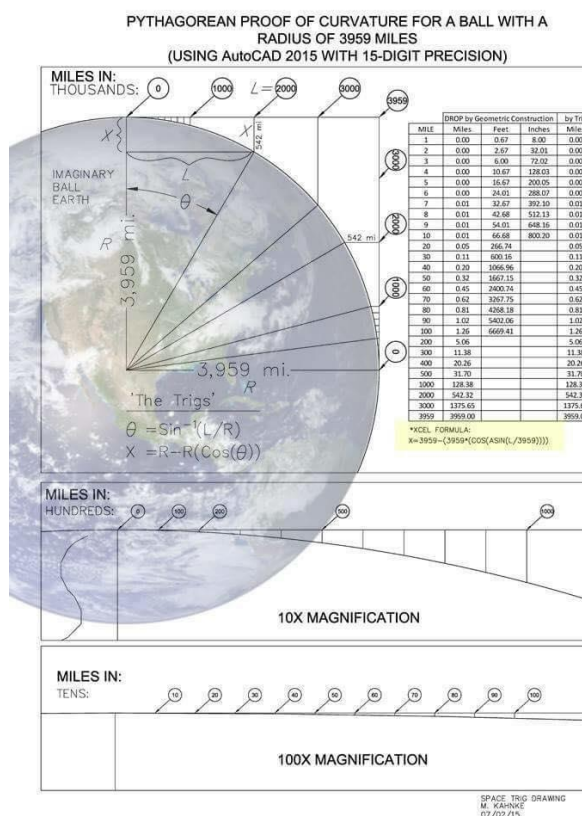
Earth's size and diverse atmospheric optical phenomena.

One common response to a ship disappearing into the horizon line by spherical Earth adherents is that this is proof of the curvature of the globe. This false belief can easily be disproven with a telescope. A ship that appears to disappear over the curvature will come back into view with a telescope. The ship is disappearing into the horizon line.



Oft repeated examples of distant 'over the curve' sightings from the Flat Earth community:

- The Egerö Light in Norway is 154 feet above high-water and visible from 28 statute miles where it should be 230 feet below the horizon.
- The Light at Madras, on the Esplanade, is 132 feet high and visible from 28 miles away, where it should be 250 feet below the line of sight.
- The Cordonan Light on the west coast of France is 207 feet high and visible from 31 miles away, where it should be 280 feet below the line of sight.
- The light at Cape Bonavista, Newfoundland is 150 feet above sea-level and visible at 35 miles, where it should be 491 feet below the horizon.
- The lighthouse steeple of St. Botolph's Parish Church in Boston is 290 feet tall and visible from over 40 miles away, where it should be hidden a full 800 feet below the horizon!
- The Isle of Wight lighthouse in England is 180 feet high and can be seen up to 42 miles away, a distance at which modern astronomers say the light should fall 996 feet below line of sight.
- The Cape L'Agulhas lighthouse in South Africa is 33 feet high, 238 feet above sea level, and can be seen for over 50 miles. If the world were a globe, this light would fall 1,400 feet below an observer's line of sight.
- The Statue of Liberty in New York stands 326 feet above sea level and on a clear day can be seen as far as 60 miles away. If the Earth were a globe, that would put Lady Liberty at an impossible 2,074 feet below the horizon.



This link is to a demonstration showing the Hawaiian island of Oahu being visible from Kauai airport 90 miles away, where it should supposedly be below 5400 feet of Earth curvature at that distance according to the calculations used, which is about 8 inches per mile, squared over distance on a sphere. The presenter uses camera footage and calculations from a CAD program to show that what is being seen in the distance is supposed to be beyond the curve, there are many such presentations, this one shows precision measurements, but doesn't consider atmospheric refraction or looming effects, and doesn't tell us if this happens at all times or changes with atmospheric optical density and related phenomenon:

https://www.youtube.com/watch?v=CBxiJfs_mxc&app=desktop

Earth Curve Calculator: <https://dizzib.github.io/earth/curve-calc/>

Automated Calculator for Earth Curvature (with discussion & links): <http://www.smokescreendesign.com/curvature-of-the-earth.html>

Line of sight vs Curvature vs Horizon: <https://youtu.be/s5vwbMpoJLs>

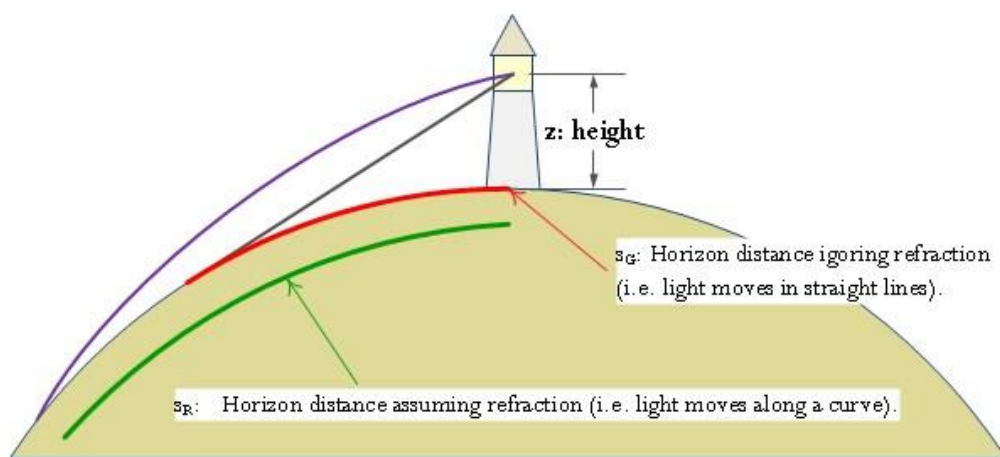
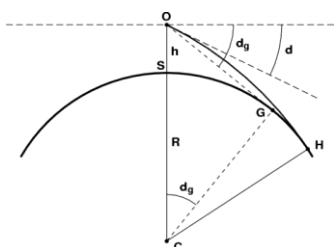


Illustration Showing that Refraction Increases the Perceived Distance to the Horizon.

<http://mathscinotes.com/2013/08/distance-to-the-horizon-assuming-refraction/>

Actual and Apparent Position: <https://www.youtube.com/watch?v=c9y5nwok1to&feature=share>

Atmospheric Refraction: <https://www.youtube.com/watch?v=-sj868IzNrk>



Distance to the Horizon:

$d = h + \text{SQRT}(2Rh)$ is the proper equation (d = distance, h =height, R =radius). Then adjust for eye height and refraction.

An excellent discussion from the orthodox perspective is given here, which is interesting because it confirms long distance sightings:

Here in San Diego, we rarely can see San Clemente Island, about 125 km offshore. The top of the island should just be visible above our horizon with normal refraction, but it's concealed by "airlight" during the day. Even in the clear air of a "Santa Ana," which causes **looming** and raises more of the island above the apparent horizon, it's often hard to make out.

But just after sunset, the island is often visible, if you know where to look. The air between you and the island is only dimly illuminated after sunset, but the sky behind the island – i.e., the air beyond the horizon that is still in direct sunlight – is still fairly bright. Then the silhouette of the island is striking, even if it had been invisible a few minutes before sunset.

The Sun itself [can be seen](#) through a long duct when it is several degrees below the astronomical horizon; however, its image is then so [distorted](#) that any intervening terrestrial object (such as an island, a mountain, or even a cloud) would probably also be so distorted that its silhouette against the Sun would be unrecognizable. Some extreme claims can surely be discounted, such as [Jessen's 1914](#) illusion. (Jessen claimed to have seen a mountain nearly 900 km away, but he certainly did not; [Korzenewsky \(1923\)](#), who refers to this report in a footnote, somehow inflated that to 1177 km.)

What's the record for visibility without help from the silhouetting effect? I think that might belong to the report of the expedition led by [Korzenewsky \(1923\)](#), who reported seeing snow-capped peaks of a mountain range 750 km away. Conditions were perfect: the lower atmosphere was in shadow at sunset; the peaks were quite high (4650 meters, or over 15,000 feet); they were covered with white snow, increasing their visibility; and there must also have been considerable looming to bring these distant features above the observers' horizon. As the observation was made on June 1, near the peak of superior-mirage season, the looming is not improbable, though the amount required is hard to believe. The observers themselves were in the deserts of Turkestan [now southeastern Kazakhstan] at a height of nearly a kilometer, where the dryness of the air favored extreme clarity, and looking across a broad, sandy depression. And, of course, much of the air path was in thinner air well above ground level, because of the mountains' height.

For less extreme, but very reliable, observations, consider some listed by Commander C. L. Garner of the Coast and Geodetic Survey in [1933](#). He says that instrumental measurements were made in both directions “between Mt. Shasta and Mt. St. Helena in California, a distance of 192 miles.” [That's 309 km.] Apparently this was done in normal conditions, with no looming; heliotropes having 12-inch [30-cm] mirrors were used. He also credits the 1911 sighting of the Fairweather Mountains in Alaska from the ship *Explorer* from

the Gulf of Alaska, 330 miles [531 km] away.

http://www-rohan.sdsu.edu/.../exp.../atmos_refr/horizon.html

So we can see that there is much contention to get an exact answer to how far one can see a distant object on a spherical Earth, with all matters, proper equations, atmospheric phenomena, time of day, etc, are taken into consideration.

The flat Earth school claims these flat horizon anomalies are



proof our world is a flat plane and there has been a massive conspiracy to cover this up. NASA's various photo releases over time of Earth from space suspiciously show definite differences in continent size in comparison to the apparent curve.

Scientists have claimed Earth is an oblate spheroid, flattened at the poles and bulging at the Equator, and possibly pear shaped, but where do you see that in the NASA photos?

"The shape of the Geode, as it is called, is nearly a perfect sphere, but because the earth is spinning, it is about 21.5 kilometers flatter at the poles, and bulged-out at the equator by about the same amount. There are also other 'higher-order' shape deviations which make the Earth slightly pear-shaped with a larger southern hemisphere surface area than in the northern hemisphere, but at a level of a kilometer or so in radial girth. The biggest effect, though, is its polar flattening. **If you had a basketball to represent the Earth's spherical average shape, the flattening would be $21/6500 =$ about $1/300$ the radius of the basketball or $1/32$ of an inch...give or take."**

<http://image.gsfc.nasa.gov/poetry/ask/a11818.html>

<https://www.quora.com/Neil-deGrasse-Tyson-says-the-earth-is-pear-shaped-Why-do-images-of-earth-show-it-as-round>

https://en.wikipedia.org/wiki/Figure_of_the_Earth

There has been much joking about Neil De Grasse Tyson's statement about the Earth being pear shaped. Here is the exact quote in full, which does put a different perspective on the validity of the ridicule. Think what you will of the opinions of the spokespeople of orthodoxy, but at least quote them fully and correctly.

"For example, you could say 'what's the shape of the Earth?' Say, well, it's a sphere. Well, no, it's not quite a sphere; it's a little wider at the equator and at the poles. Ok, so it's a little squashed sphere. There's a word for that, two words, oblate spheroid. Say, well, it's not quite that, actually, because it's slightly wider below the equator than at the equator. So in fact the earth is kind of pear shaped. So that's the shape of the earth. **But how pear shaped is it? If you held Earth out here and looked at it, if you used Earth as a model for a cue ball in a pool table, it would be the smoothest cue ball anyone ever made. So these variations from the equator to the pole and from below the equator to the equator are so small that it would make no difference to you if I handed you that sphere with that shape. You would not be able to feel it and tell the difference.**

So that's kind of interesting. There's no right or wrong answer here, it's a conversation about what the shape of the Earth is. Not enough of that goes on in the science classroom. And because we are seduced by the right answer, rather than by the journey to the answer. ~ Neil Degraesse Tyson



<http://www.haydenplanetarium.org/tyson/read/2009/07/23/called-by-the-universe>



Russian image 2012 claimed to be the most high resolution image of Earth from space

The Russians released in 2012 what they claim to be the most high resolution image of Earth from space:

<http://planetsave.com/2012/05/16/russia-releases-highest-resolution-satellite-images-of-planet-earth-ever-video/>

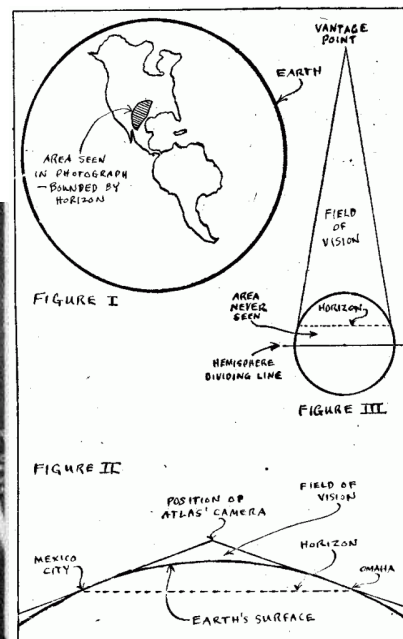
Himawari 8 (ひまわり8号?) is a Japanese weather satellite, the 8th of the Himawari geostationary weather satellites operated by the Japan Meteorological Agency. Himawari-8 Imagery - daily full disk true color images of Earth from Space, and much more:

<http://rammb.cira.colostate.edu/ramsd.../online/himawari-8.asp>

Earth Polychromatic Imaging Camera <http://epic.gsfc.nasa.gov/>

www.telegraph.co.uk/news/science/space/9531419/Teenager-floats-30-camera-into-space-to-capture-curvature-of-Earth.html

Yet the curvature pictures from NASA have been questioned from early on. Ray Palmer, writing in *Flying Saucers*, June 1960, shows this photo of the earth taken from an Atlas ICBM at an altitude of 100 miles, purporting to show the curvature of the Earth, along with his explanatory diagram.



<http://borderlandresearch.com/how-atlas-camera-lies-to-us>



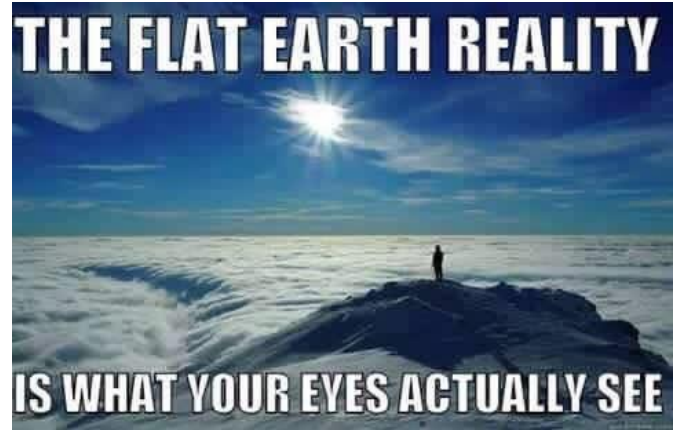
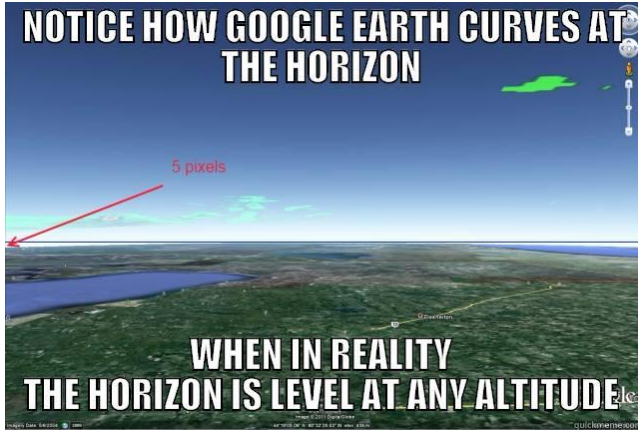
The Flat Earth schools claims the Sun is small and close, shown by the sharp angles of Sun rays through clouds. This has also been noted in the Concave schools of thought. While the Flat Earth considers the Sun to be close by, there is also the consideration that the light appears on the outer atmosphere, where it strikes the gaseous matter, with the appearance of rays emanating from close above the clouds.

Calculate the distance to the Sun (where is the Sun?): <https://youtu.be/9puRZH0i6Sc>

This video claims that the evidence proves a convex spherical Earth, based on the assumption that all solar rays hit the planet parallel, though conclusion this has been argued against in the concave

theory: <http://welcome-to-concave-earth-forum.70389.x6.nabble.com/How-to-prove-whether-Earth-s-curvature-is-convex-or-concave-td367.html>

But back to the flat arguments, this has certainly become a major point of discussion on various online forums:



Flat Earth Debunked: A time lapse of the 24 hour sun in Antarctica: <https://youtu.be/Zc-WITaG7WY>

Flat Earth Debunked: a demonstration of the curvature of the Earth using photos: <https://youtu.be/jRdgnj17FHQ>

Flat Earth Debunked: the flat horizon at eye level (mathematical/geometric explanation) <https://youtu.be/5So6gmOjaO0>

Planet Earth seen from space, time lapses from the International Space Station, which the Flat Earthers claim is fake: https://youtu.be/P5_GIAOCHyE

Onboard camera view: Cameras mounted on the Soyuz Fregat upper stage that sent Sentinel-1A into space on 3 April 2014 captured this superb footage: <https://youtu.be/vHWDNrrfhnl>

Are Flat Earthers being Serious? <http://www.livescience.com/24310-flat-earth-belief.html>

Flat-Earthers are back: 'It's almost like the beginning of a new religion' <http://www.theguardian.com/science/2016/jan/20/flat-earth-believers-youtube-videos-conspiracy-theorists>

There are certainly large scale engineering projects such as railways and canals which are constructed as though the Earth is flat.

The Suez Canal which connects the Mediterranean Sea with the Gulf of Suez on the Red Sea is a clear proof of the Earth's and water's non-convexity. The canal is 100 miles long and without any locks so the water within is an uninterrupted continuation of the Mediterranean Sea to the Red Sea. When it was constructed, the Earth's supposed curvature was not taken into account, it was dug along a horizontal datum line 26 feet below sea-level, passing through several lakes from one sea to the other, with the datum line and the water's surface running perfectly parallel over the 100 miles. The average level of the Mediterranean is 6 inches above the Red Sea, while the floodtides in the Red Sea rise 4 feet above the highest and drop 3 feet below the lowest in the Mediterranean, making the half-tide level of the Red Sea, the surface of the Mediterranean Sea, and the 100 miles of water in the canal, all a clear continuation of the same horizontal line! Were they instead the supposed curved line of

globe-Earthers, the water in the center of the canal would be 1666 feet (50² x 8 inches = 1666 feet 8 inches) above the respective Seas on either side!

"The distance between the Red Sea at Suez and the Mediterranean Sea is 100 statute miles, the datum line of the Canal being 26 feet below the level of the Mediterranean, and is continued horizontally the whole way from sea to sea, there not being a single lock on the Canal, the surface of the water being parallel with the datum line. It is thus clear that there is no curvature or globularity for the whole hundred miles between the Mediterranean and the Red Sea; had there been, according to the Astronomic theory, the middle of the Canal would have been 1,666 feet higher than at either end, whereas the Canal is perfectly horizontal for the whole distance. The Great Canal of China, said to be 700 miles in length, was made without regard to any allowance for supposed curvature, as the Chinese believe the Earth to be a Stationary Plane. I may also add that no allowance was made for it in the North Sea Canal, or in the Manchester Ship Canal, both recently constructed, thus clearly proving that there is no globularity in Earth or Sea, so that the world cannot possibly be a Planet." -David Wardlaw Scott, "Terra Firma" (134)

*"If the earth be the globe of popular belief, it is very evident that in cutting a canal, an allowance must be made for the curvature of the globe, which allowance would correspond to the square of the distance multiplied by eight inches. From The Age, of 5th August 1892, I extract the following: 'The German Emperor performed the ceremony of opening the Gates of the Baltic and North Sea Canal, in the spring of 1891. The canal starts at Holtenau, on the south side of Kiel Bay, and joins the Elbe 15 miles above its mouth. It is 61 miles long, 200 feet wide at the surface and 85 feet at the bottom, the depth being 28 feet. No locks are required, as **the surface of the two seas is level.**' Let those who believe it is the practice for surveyors to make allowance for 'curvature' ponder over the following from the Manchester Ship Canal Company (Earth Review, October, 1893) 'It is customary in Railway and Canal constructions for all levels to be referred to a datum which is nominally horizontal and is so shown on all sections. **It is not the practice in laying out Public Works to make allowances for the curvature of the earth.**" -Thomas Winship, "Zetetic Cosmogeny"*

<http://www.atlanteanconspiracy.com/2015/05/architects-engineers-for-flat-earth.html>

However, we also find that Earth curvature is calculated into large-scale construction projects in our present day:

Verrazano Narrows Bridge: "Because of the height of the towers (693 ft or 211 m) and their distance apart (4,260 ft or 1,298 m), the **curvature of the Earth's surface** had to be taken into account when designing the bridge—the towers are 1⁵/₈ inches (41.275 mm) farther apart at their tops than at their bases; they are not **parallel** to each other."

https://en.wikipedia.org/wiki/Verrazano%E2%80%93Narrows_Bridge

Earth curvature is also taken into account in the construction of particle accelerators such as the Japan Proton Accelerator Facility (J-PARC) and the SLAC National Accelerator Laboratory in Menlo Park, California, the latter is known as the "straightest object in the world."

Right now, I'm at "the straightest object in the world". The SLAC National Accelerator Lab. As others have mentioned, the curvature of the Earth is something like "8 inches a mile".



Well our linac is 2 miles long and we need it to be actually straight and not follow the curvature of the earth. Otherwise the electrons will hit into the walls and the whole thing won't work. So the center of our linac is in fact closer to the Earth's center than the edges by about 8 inches.

So yes, curvature of the Earth does matter for some buildings.

<http://rebrn.com/re/how-if-at-all-do-architects-of-large-buildings-deal-with-the-earth-510318/>

“There's a landmark reflecting pool in Boston that is 670 feet long. It's at the Christian Science Center. They originally aligned the edges of the pool with lasers, which resulted in perfectly straight walls, but didn't account for the ~1" of curvature at that distance. (editor: would be much less) At the midpoint of the structure, the water spilled over the walls. Of course precision was only an issue here because it was filled with water and designed to look edgeless as you can see in this. But that's an example where you absolutely can't neglect the curve!”

So we can find evidence both for and against these positions.

One question often asked is, if the Earth is flat, why don't we fall off the edge? There is of course an answer.

One of the pillars of Flat Earth thesis is that Antarctica is actually a ring of ice encircling the flat Earth and keeping the waters in. The Antarctic Treaty is the only international treaty which has been honoured by all parties, which does make it very unique. And the Flat Earth folk claim that it is forbidden to go to Antarctica, than anyone attempting will be met with military force to prevent them from discovering what is past the ice wall. The United Nations map, based on the Azimuthal Equidistant Projection map is claimed to represent the Flat Earth, with sprigs of leaves where Antarctica should be.

<http://www.theguardian.com/science/2016/jan/20/flat-earth-believers-youtube-videos-conspiracy-theorists>



However, many of the claims about Antarctica don't hold up under basic scrutiny.

In Eric Dubay's "200 Proofs Earth is Not a Spinning Ball", which has many wild statements easily refuted, we find "proof" number 42:

In the ball-Earth model Antarctica is an ice continent which covers the bottom of the ball from 78 degrees South latitude to 90 and is therefore not more than 12,000 miles in circumference. Many early explorers including Captian Cook and James Clark Ross, however, in attempting Antarctic circumnavigation took 3 to 4 years and clocked 50-60,000 miles around. The British ship Challenger also made an indirect but complete circumnavigation of Antarctica traversing 69,000 miles. This is entirely inconsistent with the ball model.

When Antarctica Was Green

<http://www.science-frontiers.com/sf045/sf045p13.htm>

Paleobotanists discover new fossil flora in Antarctica

<http://antarcticsun.usap.gov/science/contenthandler.cfm?id=4117>

Secrets of Antarctica's fossilised forests

<http://www.bbc.com/news/science-environment-12378934>

Weird Forests Once Sprouted in Antarctica

<http://www.livescience.com/40893-weird-ancient-antarctic-forests.html>

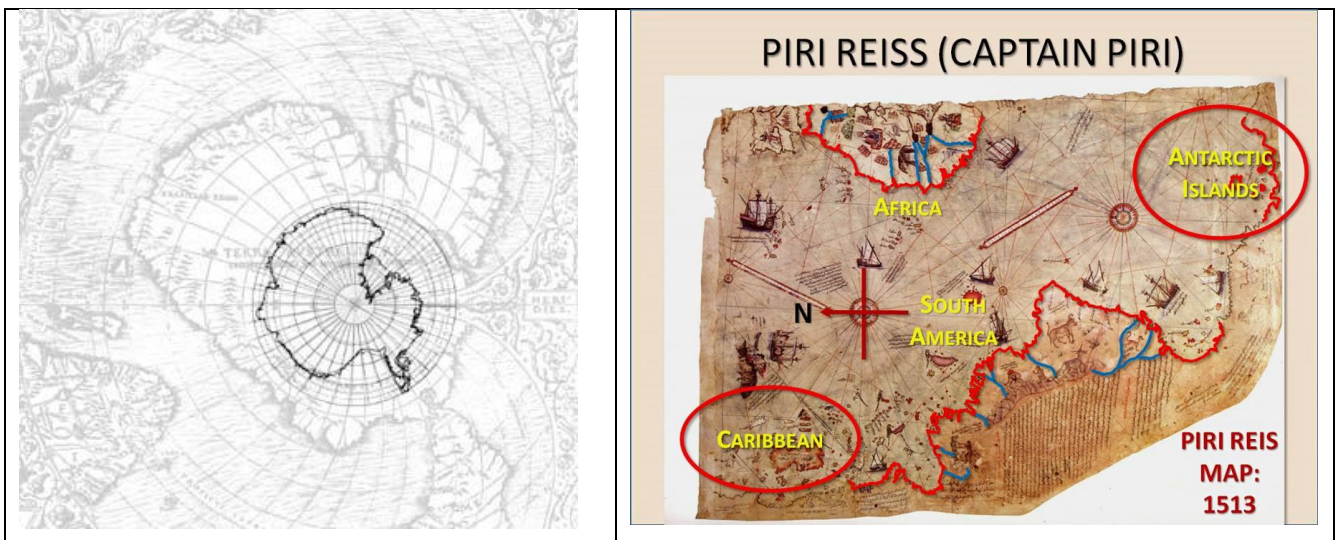
First Long-Necked Dinosaur Fossil Found In Antarctica

<http://www.livescience.com/16883-sauropod-dinosaur-fossil-antarctica.html>

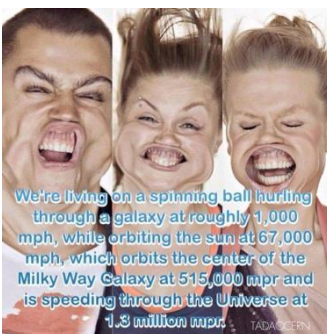
Pre-Columbian maps of the "New" World:

The great continent occupying great part of the southern hemisphere bears the name: "**Terra Australis recenter inventa sed nondum plene cognita**", which means "**Southern land found recently but not fully known**". From this, too, we can see that it can't be (as mystery writers suggest) a representation of Antarctica before the ice age, showing as it does mountains, valleys, and rivers, but of lands recently discovered and only partially explored.

It appears that some of these maps show Antarctica when the ocean levels were very much lower, prior to the so-called "Ice Ages" (the reality of which is questioned in the various Catastrophic and Canopy theories)



<http://www.theepochtimes.com/n3/1165572-piri-reis-map-evidence-of-a-very-advanced-prehistoric-civilization/>



http://www.diegocuoghi.com/Piri_Reis/Finaeus_eng.htm

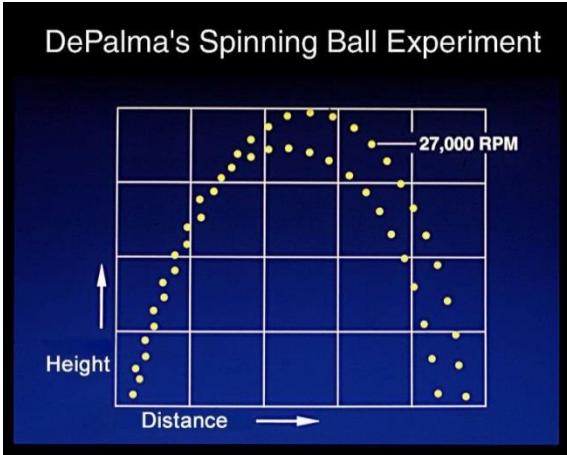
Flat Earthers, as well as Geocosmists and Geocentrists claim that there is no direct evidence that Earth is a spinning ball rotating at 1000 miles per hour, orbiting the Sun at 67,000 mph, orbiting the galactic center at 515,000 mph, all moving through the universe towards the Shapely Supercluster (<http://www.dailymail.co.uk/sciencetech/article-3121912/You-incredible-map-reveals-place-universe-bigger.html>) at 1.3

million mph.

This claim appears plausible as there is nothing in our direct experience which can confirm this, as explained here:

<http://borderlandresearch.com/eidetic-geocentrism>

What is not taken into account in these considerations is the effect of a rotating mass on the creation of an inertial framework. Bruce DePalma did research into such effect, proposing from experimental evidence an anomalous field phenomenon he termed the OD field, claiming it confers inertia on objects immersed within it.



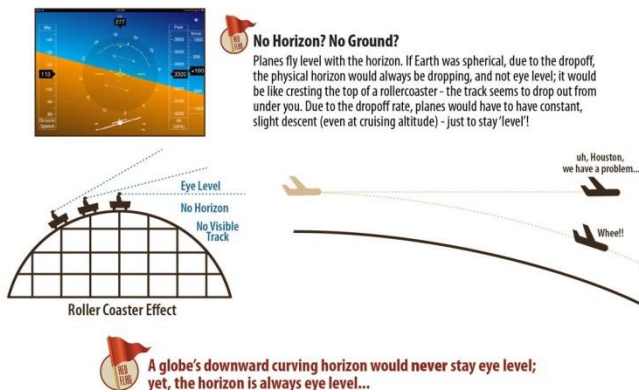
In his Spinning Ball Bearing Experiment Bruce shows that a spinning ball, catapulted concomitantly with a non-spinning one, photographed stroboscopically, exhibits a faster rise and fall than the non-spinning one. Certainly this physical effect must be considered as a possible explanation for the lack of proprioceptive awareness of any motion beyond our local ambulations. Perhaps this effect can explain the

atmosphere, the reason planes flying East and West do not vary much in consideration of a rotating Earth, and similar claims against Earth rotation.

<http://brucedepalma.com/n-machine/spinning-ball-experiment>

[http://depalma.pair.com/SpinningBall\(Understanding\).html](http://depalma.pair.com/SpinningBall(Understanding).html)

It is claimed that airplanes fly straight, level with the horizon, that they would fly into space if Earth a sphere.



There are claims from pilots both confirming and denying the flat Earth and whether or not curvature can be seen from those heights. Certainly more research and reliable photography confirming camera and lens types should be done.

Airplane and missile inertial navigation systems use what is known as Schuler Tuning of gyroscopes in order to maintain the correct altitude and

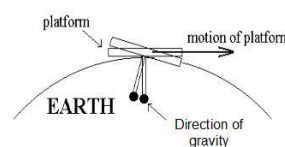
attitude.

https://en.wikipedia.org/wiki/Schuler_tuning

Navigation basics and inertial navigation

Before we can determine our position, we need to know with respect to what we want to know our position. *One option is to approximate the Earth as a sphere with radius $R_e = 6378\text{km}$. There's just one downside. The gravity isn't always perpendicular to the surface for such a sphere. Instead, the*

Motion over the Earth - Schulers



Properly oriented accelerometers measure horizontal acceleration. Based on measurements, system calculates how direction of gravity should change.

$$\dot{\theta} = \frac{v}{R}$$

But if the calculation is incorrect, the change in direction will be incorrect too, and the "horizontal accelerometer" won't be horizontal anymore. Errors in direction will follow this equation

$$\delta\ddot{\theta} = -\frac{g}{R} \delta\theta$$

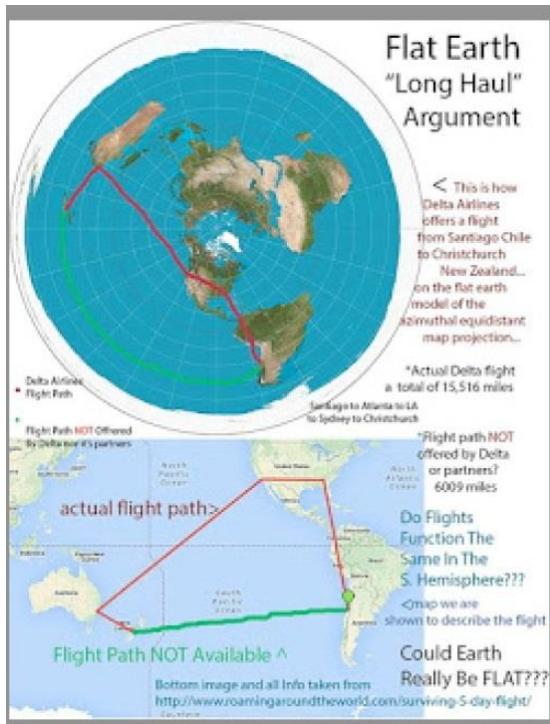
$$\text{Period} = 2\pi \sqrt{\frac{R}{g}} \approx 84.4 \text{ minutes}$$

Earth-radius Pendulum Period

apparent gravity field g satisfies $g = G - \Omega \times (\Omega \times R)$, (1.1) where G is the Newtonian gravity field, Ω is Earth's rotation vector and R your position with respect to Earth's center of mass. To solve this problem, we define the so-called World Geodetic System Ellipsoid. This ellipsoid represents the Earth surface. It is defined such that the average mean-square deviation between ...

<http://aerostudents.com/files/avionics/navigationBasicsAndInertialNavigation.pdf>

It is claimed that the Azimuthal projection map, accepted as the Flat Earth map, shows that it is impossible to fly directly from Australia or New Zealand to Santiago, Chile, Even though people fly these routes every day with tickets readily available for purchase.



I can fly from Auckland to Santiago in 11 hours 20 minutes, and have done so as noted in the ticket here. When I pointed this out on various Flat Earth forums where people were claiming such is impossible on the flat earth map I was met with an incongruous incredulity, as though the map and the ignorant claims about it were gospel. I was even banned from a couple. These flights go every day, end of story. There's no secret tech to remove missing time, put everybody to sleep for hours, or any such crazy stuff just to keep the flat Earth a secret as has been claimed. This contention has certainly been one of the major failings of the physical Flat Earth school.

Concomitantly, there have been defections and much argument over this matter. This from a Flat Earther RE the azimuthal circumpolar map:

Flat Earth Liars exposed. MAP. Antarctic isn't the outer perimeter: https://youtu.be/yWKCnoKM_BI

However, undaunted, discussions on new maps which will maintain the Flat Earth model are in discussion, with concepts like portals and stargates, perhaps aligned along the International Date Line, as discussed here on the YouTube show "This Week In Flat Earth, Episode 13": <https://youtu.be/X04EBY7fiao>

Calculate airplane distances and routes yourself! <http://www.travelmath.com/>

A lot of the Flat Earth claims about what stars can be seen where on Earth, such as that Polaris can be seen up to 20 degrees Southern latitude, show not only a propensity for exaggeration, but also a complete misunderstanding of observable celestial mechanics, even from the Tyconian perspective (which is what we actually observe). However, it is certainly a most curious affair that if we are moving through the universe relative to all other cosmological bodies that we see the same star patterns over millennia. Either the distances are extremely vast, as is claimed to uphold that model, or they are closer in and we need to consider advancing our paradigms. Nonetheless, the stars are observable and calculable as if we are on a sphere and either rotating under the heavens or the heavens rotate around us.

Name(s) as per valid passport(s)						
Mr Thomas Brown						
Details						
Date of travel:	30/07/2013					
Deposit amount:	50.00					
Full payment due:	15/05/2013					
No. of travellers:	1					
Origin:	Auckland International Apt New Zealand (AKL)					
Destination:	Cuzco Peru (CUZ)					
Air						
Airline	Flight No.	Departing on	Arriving on	Origin	Destination	Status
Lan Chile	LA800	30/07/2013 4:15 PM	30/07/2013 11:35 AM	Auckland International Apt	Santiago Arturo Merino Benitez	Confirmed
Lan Chile	LA540	30/07/2013 8:15 PM	30/07/2013 11:10 PM	Santiago Arturo Merino Benitez	Lima	Confirmed
Lan Chile	LA2037	31/07/2013 12:10 PM	31/07/2013 1:30 PM	Lima	Cuzco	Confirmed
Lan Chile	LA2026	16/08/2013 11:55 AM	16/08/2013 1:20 PM	Cuzco	Lima	Confirmed
Lan Chile	LA541	17/08/2013 8:35 AM	17/08/2013 1:00 PM	Lima	Santiago Arturo Merino Benitez	Confirmed
Lan Chile	LA801	18/08/2013 11:20 PM	20/08/2013 4:30 AM	Santiago Arturo Merino Benitez	Auckland International Apt	Confirmed

Here are star trail pictures taken from Ecuador on the Equator. A navigable 3D image is found at the link:

http://sguisard.astrosurf.com/Pagim/From_pole_to_pole.html



We can credit the Flat Earth movement with getting people outside to look at the Earth and sky. It is most surprising to hear numerous people being astonished by seeing both Sun and Moon in the sky at the same time, and claiming such as proof of a flat Earth, while many of us have noticed such normality since young.

One of the claims is that there have been impossible lunar eclipses, with the Sun and Moon visible at same time; but this phenomenon, known as a selenelion, is easily explained:

This year's second total lunar eclipse on Saturday (Dec. 10, 2011) will offer a rare chance to see a strange celestial sight traditionally thought impossible.

For most places in the United States and Canada, there will be a chance to observe an unusual effect, one that celestial geometry seems to dictate can't happen. The little-used name for this effect is a "selenelion" (or "selenehelion") and occurs when both the sun and the eclipsed moon can be seen at the same time.

Seeing the impossible

But wait! How is this possible? When we have [a lunar eclipse](#), the sun, Earth and moon are in a geometrically straight line in space, with the Earth in the middle. So if the sun is above the horizon, the moon must be below the horizon and completely out of sight (or vice versa).

And indeed, during a lunar eclipse, the sun and moon are exactly 180 degrees apart in the sky; so in a perfect alignment like this (a "syzygy") such an observation would seem impossible.

But it is [atmospheric refraction](#) that makes a selenelion possible.

Atmospheric refraction causes astronomical objects to appear higher in the sky than they are in reality.

<http://www.space.com/13856-total-lunar-eclipse-rare-selenelion.html>

A horizontal eclipse of the Moon takes place when both the Sun and the eclipsed Moon are visible for a short time above the horizon. According to Pliny the Elder, the phenomenon had been recognized two centuries earlier than his time by Hipparchus; and in the most important discussion of the phenomenon in antiquity the Hellenistic astronomer Cleomedes correctly ascribed what he called the 'paradoxical eclipse' to atmospheric refraction, whereby the observed altitude of bodies near the horizon exceeds their actual altitude.¹ The fact of atmospheric refraction itself was well known, and although Ptolemy's *Optics* remained in manuscript until modern times, its discussion, in the fifth

book, of atmospheric refraction influenced medieval students of optics, including Witelo, Roger Bacon and John Peckham, and through them their early-modern successors.²

The horizontal eclipse continued to exercise early-modern astronomers. Some simply denied its possibility.³ Others supposed it to be due to atmospheric refraction or the operation of vapours rising from the Earth.⁴ Kepler's teacher Michael Mästlin claimed to have observed a horizontal eclipse in 1590, and Kepler recalled this observation in his 1604 *Ad Vitellionem Paralipomena* in the context of his own discussions of the refractive properties of the atmosphere.⁵ Kepler himself apparently managed to observe a horizontal eclipse in Linz on 26 August 1616, and Pierre Gassendi was frustrated three times by bad weather between 1643 and 1648, before a domestic servant of his caught sight of one at sunrise on the plain of Avignon.⁶ By the mid-century, therefore, three horizontal eclipses had been recorded as observed, and the emphasis now shifted to explanation.

Antoine-François Payen, the 1666 Selenelion, and a rediscovered letter to Robert Hooke

<http://rsnr.royalsocietypublishing.org/content/61/3/251>

Impossible "selenelion" eclipse, Dec 2011

<https://www.youtube.com/watch?v=jIyw6xuEJxk>

Lunar Eclipse at Sunrise: Selenelion viewed from Cahokia Mounds

<https://www.youtube.com/watch?v=QUkjb4bbjpc>

Selenelion FINALLY Explained! - Concave Earth

<https://www.youtube.com/watch?v=6moZ8L7o-Jw>

<https://forum.tfes.org/index.php?topic=1676.40>

Terrestrial and astronomical refractions

http://www-rohan.sdsu.edu/~aty/explain/atmos_refr/terrestrial.html

Another claim is that the moon is somehow transparent, that stars can be seen in front of the Moon. The transparency claims are no more than a misunderstanding of atmospheric color phenomena. However, stars and planets have been noted passing part way in front of the moon, what we can call delayed disappearances. These are most interesting, but appear to be some sort of refractive phenomenon, always briefly by the limb. Here is one classic example:

At the occultation of Zeta Tauri on March 28th, 1868, I had the good fortune to witness the phenomenon myself, and the event is indelibly fixed in my memory by the surprising beauty of the spectacle as well as by the entirely unexpected nature of the occurrence. The disappearance took place at the dark limb which was distinctly visible, and the atmospheric circumstances were eminently favourable. The star remained on the disk for at least five seconds, and very possibly longer and its distance from the limb was considerable.

Plummer, John J.; On the Apparent Projection of Stars upon the Moon's Disk in Occultations, Royal Astronomical Society, Monthly Notices, 33:345, 1873.

Quoted from The Moon and The Planets – A Catalog of Astronomical Anomalies, compiled by William R. Corliss, Sourcebook Project

<http://science-frontiers.com/>

Sun & moonlight differences: While these are not direct proofs of a flat Earth as they have been promoted, they certainly indicate a higher order function and polar relationship between the Sun and Moon:

Sun: Golden, warm, drying preservative, antiseptic, increases combustion, dries, shrinks, coagulates



Moon: silver, cool, damp, putrefying and septic, inhibits combustion, putrefies and decays

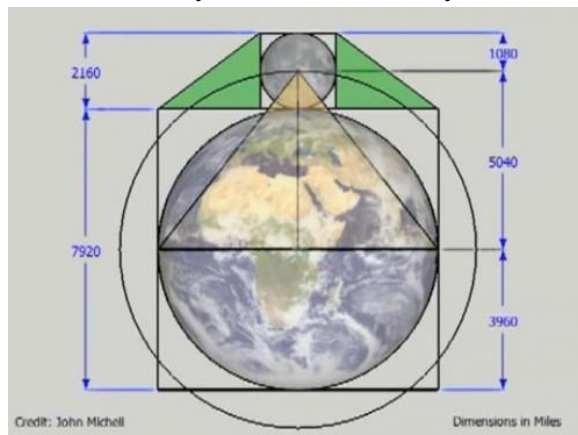
A thermometer in the shade reads lower than one in the Sun, as makes sense to us; however, it is claimed a thermometer placed in direct moonlight will read lower than one in the shade, with the Lancet Medical Journal, March 14, 1856 reports particulars of experimental measurement of concentrated moonlight reducing the temperature readings on a thermometer.

Interestingly, we find in a report on Baron Karl von Reichenbach's research on the Odic Force, which he discovered through studying sleepwalkers found to be triggered by moonlight, these effects of sunlight and moonlight filtered down wires into a darkened room where the sensitive sleepwalker was:

Sensitives were again asked to rest in a completely darkened room and report their sensations. They were not told what to expect. In the dark, the Baron introduced the wire braid. He had placed it into various portions of solar or lunar spectra, waiting for their honest responses. Without prompting or coaching, each independently reported the very same sensations and impressions. As the braid came within a set distance, each immediately felt the strange sensations, which radiated from the end. Moonlight always produced hot irritations and cramps. Sunlight violet always produced cool pleasantries, the reversal of night fears. Here was a more scientific distinction, which differentiated the historical preferences for sunlight or moonlight in different individuals. Neither of the lunar or solar current effects, however strong, registered on sensitive thermometers

<http://borderlandresearch.com/book/lost-science/luminous-world-baron-karl-von-reichenbach>

Also recall Lilly Kolisko's astro-crystallization experiments describing the relationship between gold and the Sun, and silver and the Moon.



Whatever the actual sizes and distances of the Sun and Moon, there are certainly sacred geometric relationships involved. The Great Pyramid at Giza, known to be astronomically aligned, finds its side angle in the "Squared Circle" relationship of Earth and Moon size.

It is also claimed that we can only see half of the moon, therefore it may be a disc or some other contrivance. However, this does not hold up under the most basic scrutiny:

- How much of the moon can we see from Earth? <http://earthsky.org/space/how-much-of-the-moon-can-we-see-from-earth-lunar-libration>
- Due to lunar libration, an observer on Earth can see 59% of the Moon's surface. <http://demonstrations.wolfram.com/LunarLibration/>

Calculate the distance to the Sun (where is the Sun? (Orthodox)

<https://www.youtube.com/watch?v=9puRZH0i6Sc>

Sun Angles on "Flat Earth Model" <https://www.geogebra.org/m/2141849>

Flat Earth explanation for Tides & The Electromagnetic Energy of the Sun & Moon (Parts 1 & 2)
https://www.youtube.com/watch?v=_pauQitNEM0
<https://www.youtube.com/watch?v=0vS3lnDja5w&feature=youtu.be>

NASA lies, therefore the Earth is flat! That is a common logic, remarkably. Well NASA has certainly put out a lot of data which raises doubts in many minds, such as all the contention over the reality of the alleged Apollo Moon landings. And all that that does raise serious questions about the true nature of space, because why would they lie? That's not a rhetorical question!

While NASA lying is not a confirmation of a flat Earth further investigation is required.

NASA engineer admits they can't get past the Van Allen Belts:
<https://www.youtube.com/watch?v=NIXG0REiVzE>

Mysteries of the LRO pictures <https://www.youtube.com/watch?v=yHXHwiFP3MM>

One of the schools of thought is that all satellites are faked. There is compelling argument found here: <http://vedic-cosmos-asitis.boards.net/thread/14/satellites-hoax-space>

There are certainly question as to the veracity of all the data coming from the International Space Station:

Space Station Hoax Busted 100% undebunkable
<https://www.youtube.com/watch?v=Dhpx38MW3oU>

ISS Space Station hoax yes the ISS and pretty much everything else to do with NASA
<https://www.youtube.com/watch?v=Kgt3V-2xPFU>

Certainly some of these videos look as though the people are suspended in some way, not free floating in micro-gravity. And should the women be using hair spray for those odd standing hairdos in that volatile enclosed environment? You know, this does look like they're in space, but that hairdo is way too weird and deserves a clear explanation: <https://youtu.be/bhGydriddbEA>

Nonetheless, there exists serious evidence that experiments are being done in space:

- Symphony of Spheres in Microgravity: <https://youtu.be/4zKLL167KOE>
- Alka-Seltzer added to spherical water drop in microgravity: <https://youtu.be/bgC-ocnTTto>
- Jellyfish Flame on the International Space Station: <https://youtu.be/bE13FREpFVo>
- Amazing Flame Comes to Life in Space Station Microgravity Combustion Science: https://youtu.be/qQQ1OHW1_F4
- Strange Flames on the International Space Station: <https://youtu.be/BxxqCLxxY3M>

Those spherical flames in space are indicative of the thermosphere being the resident levity pole of the gravity-levity polarity noted by Lehrs in *Man or Matter*:
<http://borderlandresearch.com/book/man-or-matter> ... levity being written out of science following the *Contra Levitatem* dictate of the Florentine academicians

"About half a century after van Helmont's discovery a treatise called *Contra Levitatem* was published in Florence by the *Accademia del Cimento*. It declares that a science firmly based on observation has no right to speak of Levity as something claiming equal rank with, and

opposite to, Gravity."

<http://borderlandresearch.com/book/man-or-matter/chapter-ix-pro-levitate>

And satellites are a big business, certainly all this isn't going on just to fool people into thinking they live on a globe instead of on a flat plane:

http://www.ted.com/talks/will_marshall_teeny_tiny_satellites_that_photograph_the_entire_planet_every_day

http://www.ted.com/talks/sarah_parcak_archeology_from_space

Asteroid mining companies, setting up to move into space in a big way (via robotic satellites):

- <https://deepspaceindustries.com/>
- <http://www.planetaryresources.com/>
- <http://topdocumentaryfilms.com/race-space/>

And this is a bit hopeful, but interesting to see:

<http://guardianlv.com/2014/07/space-hotel-set-to-welcome-guests-by-2016/>

It is claimed that there are no GPS satellites, that the system is an old LORAN system run from cell phone towers, and buoys at sea. Well, it's a belief system, not sure how it works in the middle of Australia and the like, where satellite phones and internet are the norm.

But there is a global network of bouys, monitored here, for confirmation bias if you so desire:

<http://osmc.noaa.gov/Monitor/OSMC/OSMC.html>

The Only Satellite Ever Destroyed by a Meteor

Of the roughly 8000 satellites that have been launched, which would seem to result in a veritable shooting ground for meteors, only one has ever been hit and subsequently destroyed by such a force. The European Space Agency's communications satellite, Olympus, suffered that fate in 1993. Satellites are programmed to avoid events like the Perseid showers, but that year, the Perseids shifted.

Back in August 1993, the Perseids were expected to be anything but normal; Comet Swift-Tuttle had passed Earth's orbit in 1992, and astronomers predicted an unusually intense shower. Spacecraft operators took steps to protect their vehicles.

But one spacecraft, the European communications satellite OLYMPUS, could not take precautionary measures. OLYMPUS already had been dealt an unlucky blow by a sporadic meteoroid, which disabled one solar array's pointing system. So OLYMPUS was stuck facing the oncoming Perseid stream.

<http://www.neatorama.com/2010/07/14/the-only-satellite-ever-destroyed-by-a-meteor/>
<http://www.howitworksdaily.com/has-any-satellite-orbiting-earth-ever-been-hit-by-space-junk-or-meteoroids/>

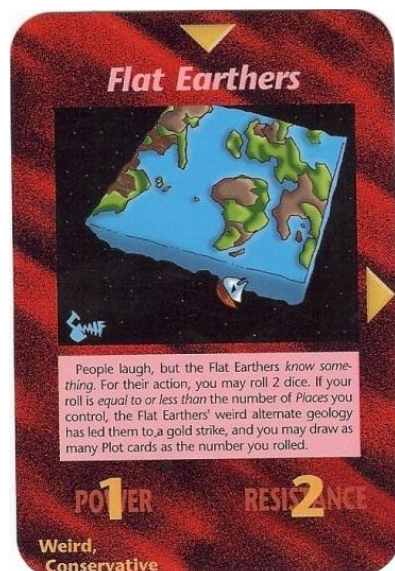
The appearance or not of stars in space, here is an interview I did in 2014 regarding my interactions with NASA over what can be seen in space, starting with a simple phone call in 1987 to discern the peak spectra of the Sun in the optical wavelengths above Earth's atmosphere. It's not clearcut!

https://youtu.be/1OK9rt_2XH4

A most interesting resource, claiming that the 'stars' are free floating (rogue, orphan) planets, certainly worthy of consideration for anyone looking at all angles of these researches:

<https://www.scribd.com/doc/193219581/Revolution-in-Astronomy-Braham-Kitiari>

https://en.wikipedia.org/wiki/Rogue_planet



It has been suggested that the Flat Earth movement is a psychological operation of some stripe, harnessing the mass breakdown of trust among the populace in any and all authority.

While important points of discussion have been raised and require investigation to ascertain the facts, there is also a distinct anti-intellectual element where disbelievers, who query the data presented are attacked and abused for not being in the club. This is a cult-like activity, and since there is an Illuminati Playing Card for the Flat Earthers in some circles this is proof positive of a false flag operation.

It is also claimed, which some good data, that the Flat Earth movement is Masonic in origins and control:

<https://youtu.be/IDvZbCzm-cc>

But not to be too harsh, as there are some very intelligent people thinking these matters out, and there is no doubt fundamentalism amongst most believers in one model or the other. Just some have more objective fact on their side than others.

So in review, we've look at the heliocentric, the geo/anthropocentric, the geocosmic, and cosmographical flat earth models.

Earth has spherical attributes, but also appears flat. It can be considered as a sphere at infinity. In projective geometry any flat surface plane is a section of a sphere at infinity, and projective geometry is how objective reality functions.

Projective geometry is all inclusive. The so-called three dimensions of space (3D) are are proprioceptive subjective coordinates, not a metric of objective space. Rudolf Steiner noted that moving the subjective 3D to the objective world was one of the gravest errors of mankind's descent into materialism. We certainly use the 3D system for assessment and construction, but there is no absolute such metric in space itself. Space is one dimension operating via projective geometry, that all-encompassing geometry we directly experience, and of which the Cartesian coordinate system is but a mere subset for local calculations of inanimate objects. One shouldn't confuse dimensions and coordinate systems.

Think out if you can an expanding sphere. It wouldn't have to be that large in diameter before you could cut out a perfectly flat piece to make a table top. So we are on a plane at infinity, the Earth Plane, as long diagrammed in esoteric literature. And in consideration of the mystery of life itself, as well as potential inertial framework effects of rotation, we can seek to grasp the multi-dimensionality of our planet.

And what is this flat plane at infinity but a gateway to cognizing the archetypal world itself, the mandala where the four etheric forces weave our reality. We live on a plane-et, where all living things are in Sacred Geometric function, Fibonacci series numbers (irrational if divided, the numbers go to infinity).

ArcheCosmos - The Four Worlds Model

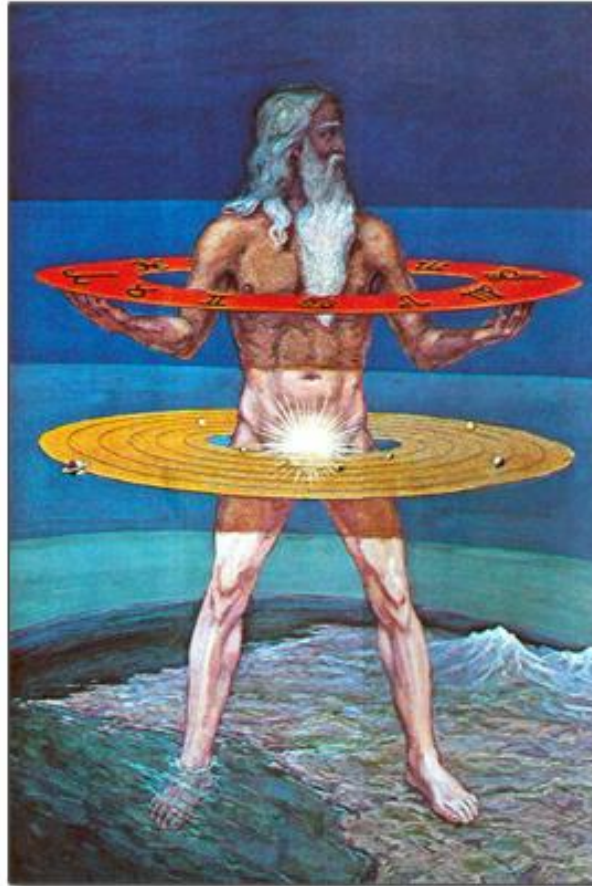
One can stare and stare at open secrets without fathoming their meaning. ~ Rudolf Hauschka

Atziluth: Archetypes

Briah: Creation

Yetzirah: Formation

Assiah: Action



In reviewing these World Systems, we must consider the relationship of one's inwardly perceived cosmology with their discursive cosmography. Essentially, and especially with contradictory evidence, this is where cognizing the solution resides.

Whether the earth is flat or spherical, concave or convex, these are perhaps different perspectives of the phenomena which formed this planet and the life upon it. As many pieces of the puzzle fit with

various world views, it appears reality is multi-dimensional. One must raise their consciousness and look past the discursive consciousness most of humanity is presently absorbed in.

Completely changing one's world view on a few experiments and observations is contrary to the discipline of retaining a suspended judgment until all the facts are in.

So yes, the world is round, and yes, the world is flat. Perhaps not the answer one expects, but worthy of some Zen-like ponders.

Whilst one may snicker at first, then consider some of the most interesting evidence, and wonder at how the universe could function in such scenarios, in essence we are viewing here pieces of a larger phenomenon of our essential search for the cosmic orientation of our souls in the milieu of this manifestation we find ourselves immersed within.

Quantum physicists claim that our observation of reality directly affects that observed; perhaps we are modelling our world and our place in it as we develop our understanding of it; Creation in progress on all levels.

Physicists seeking the secrets of Nature stay underground with their hadron colliders, when the secrets they seek are to be found outside in the real world, discernible in the patterns and flows of nature through Goethe's method of observation and thought.

<http://borderlandresearch.com/book/man-or-matter>

We are high order physical sensory nodes of the universe, which formed around us to experience self-knowledge singly and severally. The motions of the universe weave into use, but they are also woven by us in ways yet to be discerned by many: As above - so below in its grandest sense. It is all complex and multidimensional, yet also very simple in a language of patterns and symbols.



These four worlds of investigation, heliocentric, anthropocentric, geocosmic, and planar, can be correlated the four worlds of the Qabalah, respectively the Assiah-manifest, Yetzirah-formative, Briah-generative and Atziluth-archetypal.

- In the Heliocentric model the spatial arrangement (which has awe inspiring mathematical harmonies and relationships) we find the skeleton or physical circuitry of the cosmic life body.
- In the Anthropocentric we find the software program running creating the "virtual" world of our experience. Like our magical sensory flesh upon our mechanical skeletons.
- In the Geocosmos we find the engineers & programmers, the counterspatial source of the spatial manifestation. The realm of higher cognition in grasping the generation of the lower worlds from the higher.
- In the Archecosmos resides the original awareness of the concept,. We have the flash of the Archetypal four quadrant relationships in action, then it's engineered, engendered in the Geocosmos, next it's built, given form in the Anthropocosmos, and finally functions in the Heliocosmos. All stages are inherent in the final device.

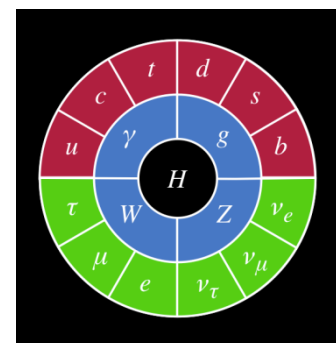


And the ultimate plane is the archetypal map of the universe, the mandala, upon which four dynamic forces emanate from the quintessence and weave our reality, expressed as the relationship between element and ether. True knowledge, or wisdom, is that which interpenetrates the diverse belief systems.

Ultimately we are all anthropocentrists of one form or another, functioning from experience. The anthropocentric view works best in the geocentric, geocosmic and flat earth scenarios. The one it works least in is the heliocentric. Discussing these anthropic models is certainly not about stroking one's ego, as is argued by pure heliocentrists,

rather it is an unprejudiced approach to assessing all world models that were considered viable by serious experimenters in order to discern the fundamental nature of reality.

Even the sceptical particle physicists of our world use a model which mirrors the mandala, for such is hardwired into our beings.



Basically all living things on the planet have biological rhythms and form-natures from formative forces affected by the direct appearance and motion of the planets, sun and moon as perceived from earth.

There are magical relationships all around us, the true science of the future will be based on acceptance of all that we can discern and measure. A wholistic approach to the holographic universe may well be in order. Though we must not take the metaphysically vacant approach generally given to the holographic concept, and look perhaps to the Eastern wisdoms, such as the Tibetan Book of the Dead, where it is acknowledged that our appearances are as projections, but with the technical knowledge and descriptions of the projector screen.



The Four Anthroposophical Ethers, in a symbolic solution, combining their natural motions and functions, and directly relating to Goethe's theory of color.

Light Darkness & Colours - Goethe's Theory: https://youtu.be/pitz56_8CJg

What is interesting about this solution is that it provides the archetype for the ruler and compass most widely seen in the Masonic symbol. But here it is seen in its pure natural form. The Life Ether, in the densest of matter is the violet angle, the measurement system of our skeleton. The Light Ether, the yellow rays, is the measurement system of our eyes. Together they work to create harmonious structures in our world.

But could reality just be a hoax? There is the concept that humanity might be living in an artificial reality – a simulated universe. <http://www.space.com/30124-is-our-universe-a-fake.html>

The truth is we can conceive of anything, especially when we are disconnected from the higher order natural forces people like Goethe and Steiner pointed towards. Perhaps the best place to start is with Nature.



Special Notice:

This is a working document, not final, distributed amongst a small group of fellow researchers for comments, criticisms, additions, etc.

I have hundreds of documents and links, gigabytes of data that I'm still processing in this project, and much still to correct in the above. This is an ongoing project. I acknowledge its shortcomings, yet I trust you will have gained from its perusal.

Be well, Thomas Joseph Brown xx

