

Supercontinent Pangeon Obscura: Contrasting Secular Geophysics with Theological Ratiocinations

Richard L Amoroso¹

Noetic Advanced Studies Institute, Utah USA

Abstract

Before geologist E. Suess scientifically proposed a supercontinent he named Gondwanaland in 1885, over 3,300 years earlier, around 1450 BC, Moses wrote of a supercontinent in the Book of Genesis regarding division of Earth at the time of Peleg, “*for in his days was the earth divided*” (Gen. 10:25). The next step, the first sufficiently detailed and comprehensive theory of continental drift proposed in 1912 by meteorologist A. Wegener, postulated from geologic and paleontological data, that most geologic time had only one continent, which he called Pangea. Using the seven contemporary continents as puzzle pieces, geophysicists have proposed four versions of a Peleg-like Pangea supercontinent. Utilizing additional theological insights, in conjunction with the *Hand of God* putatively driving the evolution of continental drift, a 5th global supercontinent Pangeon Obscura is proposed, illustrating how Jerusalem (Israel) and Zion (New Jerusalem on the American continent) will merge to occupy the same location by the end of the Judeo-Christian-Islamic Millennium.

Keywords: Gondwanaland, Millennium, New Jerusalem, Pangea, Pangeon Obscura, Peleg, Plate tectonics, Supercontinent, Theology, Zion.

1. Introductory Confabulation

Continental drift, shifting by plate tectonics, is now generally accepted as scientific fact. Much is also known geophysically, by meteorology, oceanography, seismology, volcanology and paleomagnetism regarding how and why movement evolves. Interestingly, drift speed is sufficient that GPS satellites need constant realigning. Harder to fathom, even though evidence seems indefatigable, is that continents cyclically separate and reunite [1,2]. Perhaps no more challenging than reversal of Earth’s magnetic poles every 250,000 years on average, correlating geomagnetic field alignment in magnetic minerals when rock strata is formed. Since this magnetic field alignment can be tested back 4.5 billion years it is a useful tool in the study of supercontinent alignment [3,4].

The first sufficiently detailed comprehensive theory of continental drift was proposed in 1912 by meteorologist A. Wegener, postulating from geologic and paleontological data, that most geologic

¹ Correspondence: Prof. Richard L. Amoroso, Director of Physics Lab., Noetic Advanced Studies Institute, Utah, USA. <https://orcid.org/0000-0003-2405-9034>; <http://www.noeticadvancedstudies.us> E-mail: amoroso@noeticadvancedstudies.us

time had only one continent, which he named Pangea [5,6]. Wegener's hypothesis was initially rejected primarily because he didn't have a viable mechanism for moving continents, believing the force of Earth's rotation was sufficient to cause continental drift. It was known from geophysics that rock was too strong for such an occurrence.

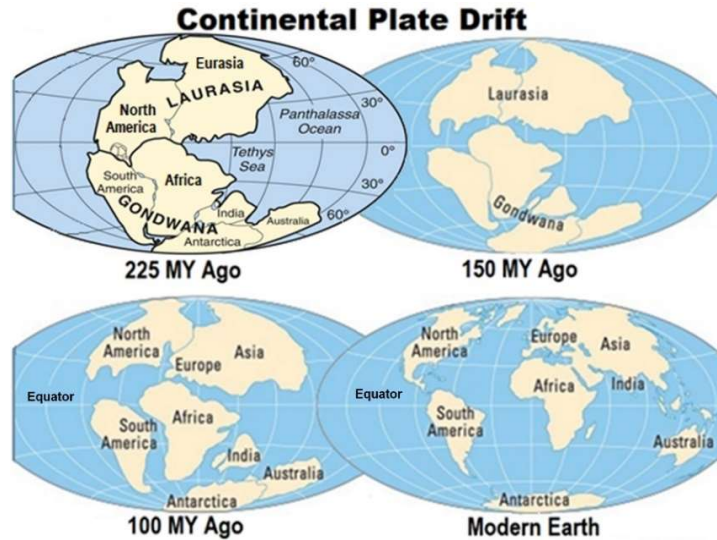


Figure 1. Representation of a Global Supercontinent separation cycle of the seven continents from Pangea (time of Peleg) (top left) to the present era (bottom right). Pangea formed from supercontinents Laurasia and Gondwanaland (top right), depicted as some geophysicists suppose it occurred about 250 million years ago. Figs. adapted from [7-9].

Geophysicists define a supercontinent as an assembly of most or all of Earth's continental blocks to form a single landmass. Pangaea (Greek *pan-* "all" + *gaia* "earth" meaning "all lands"), is the general geophysical name given to a complete Global Supercontinent collective of all Earth's land masses believed to have occurred when supercontinents Gondwana and Laurasia separated from the original *one-land* at the time of Peleg. Four models for possible future formations of ancient Pangea have been theorized by secular geophysicists using the seven contemporary continents as puzzle pieces; they are called: Pangea Proxima (Ultima), Aurica, Amasia and Novo Pangaea.

Various Supercontinents Proposed by Plate Tectonics

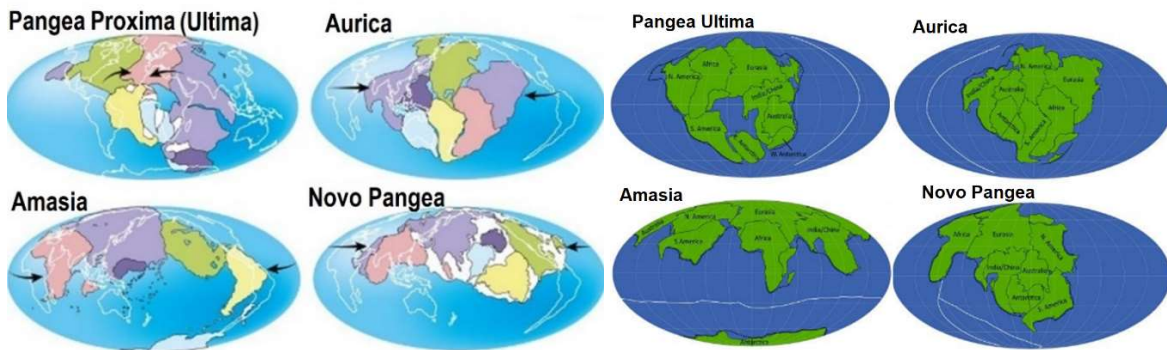


Figure 2. Depicting two styles of four proposed Global Supercontinents devised from different analytical interpretations of geophysical data. Figs. adapted from [10,11].

1.1 Brief Summary of Global Supercontinents Proposed by Secular Geophysics

Pangaea Proxima: Configuration hypothesized to occur in 250 million years by C. Scotese (Fig. 2), based on examining past supercontinent formation and breakup cycles, not by current understanding of the mechanisms of tectonic plate change, which he claims too imprecise to project that far into the future. *"It's all pretty much fantasy to start with, but it's a fun exercise to think about what might happen. And you can only do it if you have a really clear idea of why things happen in the first place"* [12]. Also, Scotese' Animation [13].

Aurica: Geoscientist J. Duarte's hypothesized novel supercontinent model also 250 million years from now, which includes a new Eurasian fault rift line cutting from India to the Arctic tearing the Himalayan and Ural Mountains apart. The west of Asia merges with Europe and Africa, while the east collides with Oceania followed by Antarctica, which eventually closes the Atlantic and Pacific oceans, replacing them by a new ocean. The current northward motion of Australia and Antarctica will cause them to collide with eastern Eurasia and the Americas closing the Pacific, while western Eurasia and Africa collide with the Americas on the other side closing the Atlantic [14].

The strength of ocean tides was linked to supercontinent cycles by an American Geophysical Union study noting, *"When tectonic plates slide, sink and shift the Earth's continents to form large landmasses, or supercontinents, ocean basins open and close in tandem. As these basins change shape, they can strike forms that amplify and intensify their tides"* [15].

Amasia: Prediction forming a merger of Asia and North America relying primarily on the fact that the Pacific Plate is already subducting under Eurasia and North America. If the process continues, it will cause the Pacific to close, because North America would be pushed westward, and the Atlantic would become larger than the Pacific. The boundary between the Eurasian and North American Plates in Siberia, stationary for millions of years would cause North America to be combined with Asia, forming a supercontinent. A 2012 study predicted Amasia will form over the North Pole in about 100 million years [16].

Novopangea: Postulated by R. Livermore in the 1990s. It assumes a closure of the Pacific, a docking of Australia with eastern Asia, and northward motion of Antarctica, as in Fig. 2. [17,18].

Several proposals have been made regarding the different ways a Pangea-like Global Supercontinent could reform. In computer simulations, Davies, Green, Duarte et al. revisited four of the proposed future scenarios: Pangaea Proxima (by closing the Atlantic), Novopangea (closing of the Pacific), Aurica (closing both Atlantic and Pacific), and Amasia (closing neither the Atlantic nor the Pacific). They performed this effort by reproducing the different scenarios using the same software (GPlates) and the same initial and boundary conditions [19].

1.2 Tools of Epistemology

The analytical techniques of theoretical geophysics, while scientifically sound cannot be fully precise when spread over millions or billions of years, as evidenced by the four proposed future Pangea-like configuration possibilities formed from the similitude of continental puzzle pieces existing today. In order to make a sound logical case for predicting a Pangeon Obscura, theological principles must be conjoined with secular science. A Peleg-like Supercontinent requires the reformation of additional aspects of contemporary continental puzzle pieces in order to conform

with the unity of the Millennial return to *one undivided land* that also must unite Israel's Jerusalem and America's Zion. "... *and the islands shall become one land; And the land of Jerusalem and the land of Zion shall be turned back into their own place, and the earth shall be like as it was in the days before it was divided*" [20].

We still know little about the most fundamental basis of reality. There are two avenues in this paper, 1) the salient issue of a new theological insight into Supercontinent evolution and formation and 2) the underlying application of transcendence as a tool in scientific theory formation [21-23]. We have an incidence herein where ancient theology *knew*, several thousands of years before science achieved a threshold for more technical insight. We notice from history, that the *zeitgeist* often provides humanity in a timely manner what it needs for its evolution; a case in point, the industrial revolution allowed the human population to reach billions. Understanding supercontinent cycles does not appear clothed in urgency; but provides an opportunity as a case completing the tools of epistemology – an aid in adding this final tool to knowledge resources.

At 75-years, the author nears the twilight of a career as a polymath, concentrated on physical science. Having been an LDS Priest, then High Priest for 50 years, he learned to conduct himself in a sufficiently evolved manner engendering transcendent abilities (claimed to be formulaic and spontaneous if conditions are met [22]). Considering the process of discovering Pangeon Obscura to be of interest as a test case influencing others to learn this general procedure; it is included in an appendix. The problem is that scientific society (especially in the West) does not naturally promote spirituality (the necessity); and for few does transcendent ability as a tool in scientific theory formation arrive innately; the starting place is achieving unity with God, which is synonymous with spirituality [24, 25].

2. Geoscience of Supercontinent Formation

In the early 20th century, scientists began putting together evidence that continents could move around on the Earth's surface by plate tectonics. The lines of evidence for continental drift included fitting continents together like puzzle pieces, distribution of ancient fossils, geologic features in rocks and mountain ranges and the locations of ancient paleoclimatic zone indicators.

2.1 Complementary coasts

Puzzle-piece complementary coastlines were one of the first clues that continents were once joined into a Global Supercontinent. As a prime example, Fig. 3 shows how well Africa and South America fit together like pieces of a puzzle; the matched continental edges of eastern South America and Western Africa are nearly mirror images. Some places on the continental shelf, show an even closer fit between the continents. Bathyspheric mapping of the Atlantic Ocean basin further supports the connection between the South American and African continents.

Observing the ocean floor revealed ridges and trenches. Magnetometers showed abnormal magnetic variations along the sea-floor. Studies of Earth's magnetic field showed magnetic anomalies on the ocean floor preserved in alternated bands of rocks, where mineral magnetism had a normal and reverse polarity.



Figure 3. Prime example of complementary puzzle-piece coastlines and shelf demonstrating supercontinent formation by plate tectonics. Fig. adapted from [26].

2.2 Fossil Records in Rock

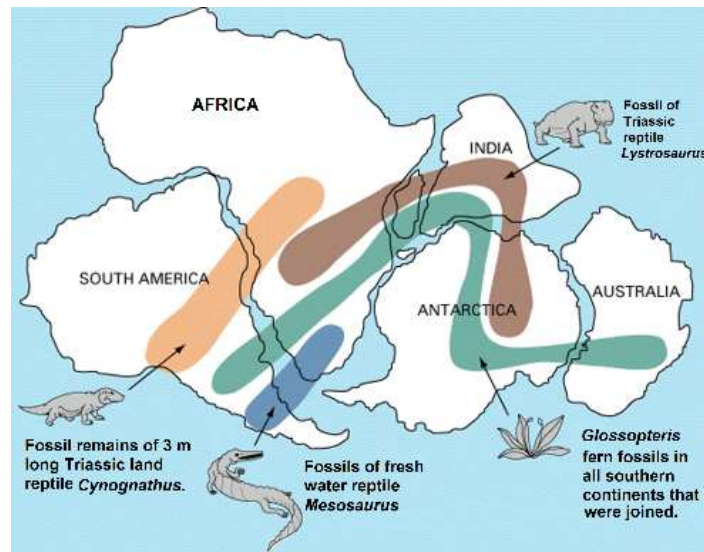


Figure 4. Records in rock for supercontinent Gondwana. The locations of various fossil fauna and flora on present-day, widely separated continents form definite patterns (colored bands) when the continents are rejoined. Fig. adapted from USGS [27].

As noted by Snider-Pellegrini and Wegener, preserved remains of plants and animals show how southern continents had once been joined in the supercontinent Gondwana. For example, fossil remains of an ancestral mammal (*Lystrosaurus*) were found in Africa, Madagascar, India and Antarctica (brown band). Fossil connections are found across all continents in the southern hemisphere. Fossils of several freshwater reptiles (*Mesosaurus*) were found in Africa and South America, lands now separated by a large ocean. Fossils of another ancestral mammal (*Cynognathus*) were found in Africa and South America, and the fossil fern (*Glossopteris*) was found across four currently widely separated continents [28]. When continents are reassembled

into a Pangaea model, a remarkable alignment of fossil remains for organisms of that age is found. Organisms that develop later do not follow this pattern.

Fossils reveal when and where plants and animals once existed. Fauna and flora traveled on diverging plates, became isolated, and evolved into new species. Other life dispersed to new areas as continents reconnected, oceans narrowed, or chains of volcanic islands formed. Finding identical or similar fossils in areas separated by vast distances were among the first clues used to reconstruct past plate movement. The distribution of fossils led to theories that the southern continents were once joined in a supercontinent called Gondwana [29].

2.3 Glacial Climatic Remnants in Rock Deposits

Today, glacial deposits formed during the Permo-Carboniferous glaciation (about 300 million years ago) are found in Antarctica, Africa, South America, India and Australia. If the continents haven't moved, this would suggest an ice sheet extended from the south pole to the equator at this time - unlikely because the UK at this time was also close to the equator and has extensive coal and limestone deposits. If the continents of the southern hemisphere are reassembled near the south pole, then the Permo-Carboniferous ice sheet has a more reasonable size. Additional evidence comes from glacial striations – scratches on bedrock made by blocks of rock embedded in the ice as the glacier moves. This shows the glacier's direction, suggesting ice flowed from a unique central point.

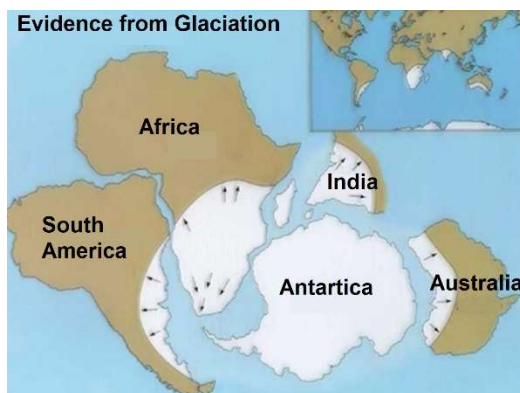


Figure 5. Wegener's view of evidence from glacier movement. Figure adapted from UK Geological Society [30].

Plate movement is traced by looking at clues left by the direction of movement of glaciers. Slow-moving ice scars diverse landforms leaving behind rocky debris marking existing bedrock, and also coral reefs, associated coal and evaporative deposits. Matching together evidence in South America, Africa, India and Australia. Glacial traces reveal a 300 million year old ice sheet. Fitting the pieces puts the ice sheet back together recreating the ancient supercontinent of Gondwana. Marks on bedrock show where debris carried by the glaciers scrape the surface. The direction of scrapes allows reconstruction of the movement of ice sheets and the continents that it covered. This result is also shown in the direction of magnetic pole reversals laid down in minerals. Similar geologic formations on different continents show ancient land connections. Antarctica's mountains are an extension of South America's Andes. If Southern Hemisphere continents were

reassembled into a single landmass, glacial remnants in Africa and India would realign. [31].

2.4 Paleomagnetism and Migration of North and South Poles

Paleomagnetism and migration of the poles is measured in igneous and sedimentary rock. Magnetic minerals attain the magnetic field declination present at the moment of their formation, becoming small permanent magnets. Around 1950, British paleogeologists observed that the magnetization of ancient rocks differed from the current magnetic field and also the direction that indicated the magnetic north pole changed with the age of rocks. This suggested the Earth's magnetic poles moved over time. Studies demonstrated that rocks of the same age located in different continents pointed at a different position of the magnetic pole [31].

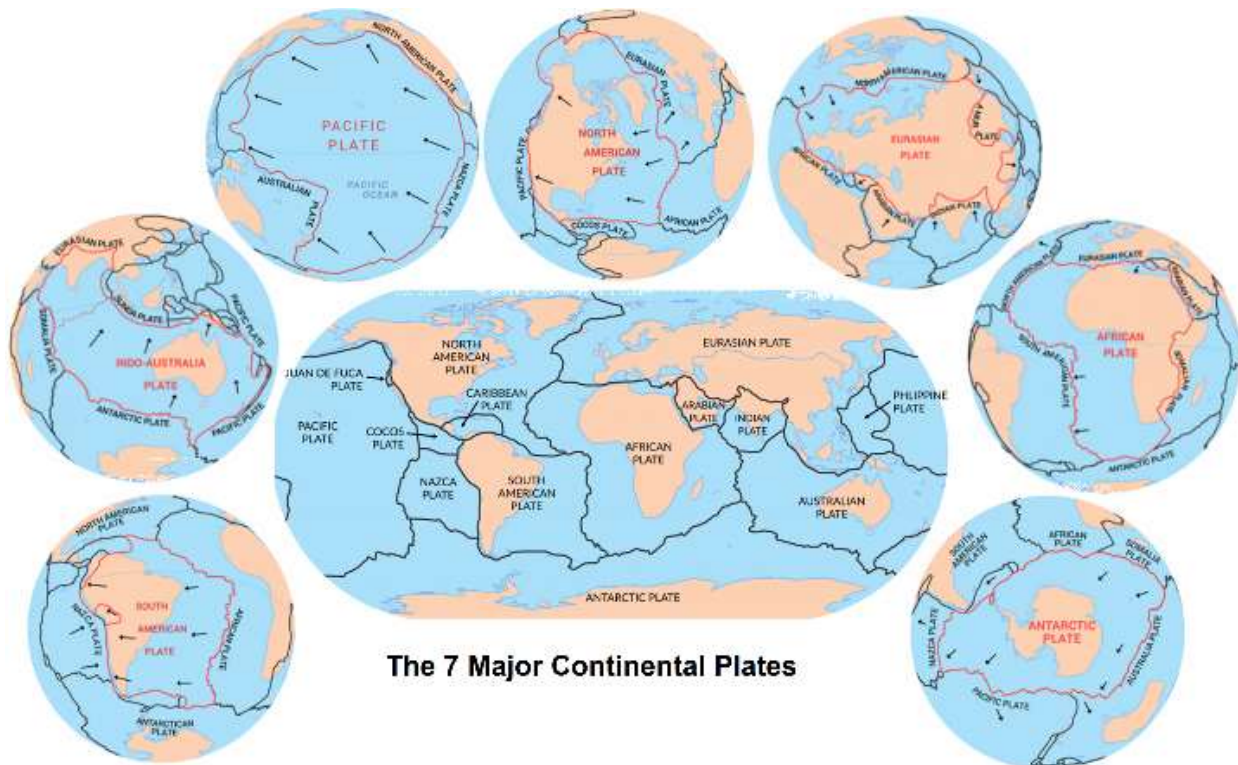


Figure 6. World map of Earth's 7 major tectonic plates and 10+ minor plates. Clockwise from bottom left: Indo-Australian plate, South American plate, Eurasian plate, African plate, Pacific plate, North American plate, Antarctic plate. Figure adapted from [32].

3. Integrative Theological Panoply

Theology modifies secular puzzle-piece Supercontinent geophysics by the putative theological fact that a Peleg-like Pangea reformation must unite Jerusalem (Israel) and Zion (New Jerusalem on the North American continent) into one location by the end of the Millennium. *“for out of Zion shall go forth the law, and the word of the Lord from Jerusalem”* (Isa. 2:3). During the process of building the New Jerusalem (Zion) in North America, the City of Enoch will return as part of the ruling city: *This same Zion which was taken up into heaven shall return during the Millennium, when the Lord brings again Zion; and its inhabitants shall join with the New Jerusalem which*

shall then be established [33]; “And it came to pass that Enoch saw the day of the coming of the Son of Man, in the last days, to dwell on the earth in righteousness for the space of a thousand years” [34]; “We believe in the literal gathering of Israel and in the restoration of the Ten Tribes; that Zion (the New Jerusalem) will be built upon the American continent; that Christ will reign personally upon the earth; and, that the earth will be renewed and receive its paradisiacal glory” [35].

Something is missing from secular science that Latter-day Saint (LDS) doctrine provides. “... *let us go up to the mountain of the Lord...; and he will teach us of his ways...: for out of Zion shall go forth the law, and the word of the Lord from Jerusalem” (Isa. 2:3). “And he [Savior Second Coming] shall utter his voice out of Zion, and he shall speak from Jerusalem, and his voice shall be heard among all people ... and the islands shall become one land; And the land of Jerusalem and the land of Zion shall be turned back into their own place, and the earth shall be like as it was in the days before it was divided” [20]; “We believe...; that Zion (New Jerusalem) will be built upon the American continent; that Christ will reign personally upon the earth” [35]. This suggests that by the end of the millennium Israel’s Jerusalem and America’s Zion will unite into one Supercontinent location.*



Figure 7. Very rough proposed rendition for area of an ancient sea channel on easterly North American plate where Missouri was ocean sea shore millions of years ago before asteroid repercussions, related tsunamis and volcanos *obscured* it as a flood basin.

As we approach this Judeo-Christian-Islamic Millennium, as promised by LDS Prophet Joseph Smith, “... *the islands shall become one land ... and the earth shall be like as it was in the days before it was divided” [20]. Profound changes are expected to occur during the Millennium to achieve reoccurrence of The Peleg Supercontinent. “... and the earth should be wrapt together as a scroll...” [36]. ‘Earthquakes Will Change the Face of the Land’ Isaiah 40:4-5. LDS President Joseph F. Smith stated that before the Second Coming, there would be an earthquake so destructive that mountains will be made low, valleys elevated, and rough places made as a plain. So violent that the sun will be darkened and the moon will be turned to blood. The waters will be driven back into the north countries and the lands joined as they were before the days of Peleg [37-39].*

Similarly: “*And he [Savior Second Coming] shall utter his voice out of Zion, and he shall speak from Jerusalem, and his voice shall be heard among all people ... which shall break down the mountains, and the valleys shall not be found. He shall command the great deep, and it shall be driven back into the north countries, and the islands shall become one land; And the land of Jerusalem and the land of Zion shall be turned back into their own place,*” [20].

3.1 Pangeon Obscura: Millennial Reformation of a Peleg-like Global Supercontinent

It was during the time of Peleg that “*the earth was divided*”, 1 Chron. 1:19; *Let the waters be gathered together unto one place*, Gen. 1:9; *In the days of Peleg was the earth divided*, Gen. 10:25. Figure 6 is simplistic in that no effort was put into divining an actual configuration of the seven continents other than to illustrate the fact of Jerusalem (Israel) and Zion (New Jerusalem at Adam-ondi-Ahman in Missouri) be located at the same geographical location by the end of the Judeo-Christian-Islamic millennium.

While an ancient sea placing Adam-ondi-Ahman (Zion) on a shoreline, as proposed in Fig. 7, divided the North American continent millions of years ago is completely obscured in modern times; in contrast, the African plate fault, shown in Fig. 6 (top right and Center) is in a position set to drift open and allow Jerusalem (Israel) to move during the 1,000-year Millennium into conjunction with Zion. Another such continent separating sea is known geophysically to have also existed anciently along the Rocky Mountains; and curiously, in several million years it is said (by plate tectonics) that Los Angeles will be observed off the coast of San Francisco!



Figure 8. a) Geophysical secular science-based puzzle-piece Pangea. b) Pangeon Obscura Peleg-like Global Supercontinent reflecting theological assertions necessary for Jerusalem and Zion to be united at one point. c) Current continent positions.

General academic research methods in conjunction with prayerful contemplation led to the assumption that Jackson County and Adam-ondi-Ahman, Missouri anciently were ocean shoreline near the confluence of the Missouri and Mississippi rivers. To understand this region, figuratively contrast in a more limited sense, the 1,250 km long Baja California peninsula separating the Pacific Ocean from the Gulf of California in Mexico with a proposed similar geographical occurrence anciently in the Mississippi River Basin flood plain between the Great Lakes and the Gulf of Mexico that separated Jackson County and Adam-ondi-Ahman from an Eastern land mass Fig. 7). At the northern end of the peninsula, the 3rd-largest known asteroid hit near what is now called Sudbury, Ontario, Canada 1.8 billion years ago. In the south, 66 million years ago, the 2nd-largest

impactor, a 10 to 15 km wide asteroid struck the Yucatán Peninsula at Chicxulub, Mexico so forcefully that it formed a 150 km diameter crater. Although a distinctly different time frame from the Chicxulub impactor, the Sudbury Basin asteroid dramatically thinned the Earth's crust in the region. Thus, over millennia, numerous earthquakes, volcanic activity and associated tsunamis filled in the peninsula bay becoming the modern Missouri-Mississippi River flood plain. This is the logic for proposing a Pangeon Obscura millennial reformation of a Peleg-like Global Supercontinent based on ancient Judeo-Christian in conjunction with more recent LDS doctrine.

Additional revelation revealed that the Millennial process of reforming the Peleg-like Supercontinent would cause the Mediterranean to open *giving birth* to Jerusalem, causing its tectonic plate to march straight across the Atlantic Ocean to *greet Missouri with a holy kiss* (2 Cor. 13:12). And in the same manner, the Eastern part of the *obscured* Zion peninsula shielding Adam-ondi-Ahman, would fold up towards Canada, with open arms, creating space for Jerusalem and Adam-ondi-Ahman to become one site by the end of the Millennium.

Appendix – Spiritual Transcendent Process as Tool in Theory Formation

Under the proper circumstance Science and Theology are not mutually exclusive, rather opposite ends of the broad spectrum of human epistemology. “*Every discovery in science ... [is] given by direct revelation from God, though but few acknowledge it*” [40]. Since the majority of scientists are atheists (Physicists highest %) [41], *aha moments* are not generally experienced with occult subjectivity. As an example of the utility of the process of transcendence as a tool in scientific theory formation, it is of interest to relate the subjective spiritual/revelatory process leading to this article on the putative discovery of a Millennial Pangeon Obscura Supercontinent.

Science utilizes logical deduction and experiment (in either order) to progress. Discounting faith, which does not require perception after making some sort of prior conviction, theology can apply an additional tool completing epistemology – that of transcendence as a tool in theory formation [21-23], which is in no way meant to disavow scientific pragmatism; but rather add more efficient use of time and resources in reaching a goal/discovery more efficiently. As an example, in the early 1970s, I attended a conference in Long Beach, CA which many of the great philosophers of the era attended. At the end of the week, they sat around a table and divided a problem into areas like spokes of a wheel; each chose a spoke or two, that they would spend the remainder of their lives working on. Transcendence as a tool in epistemology, can apply a perceived *compass* pointing to the spokes facilitating wherein the answer lies.

I have utilized this procedure for several decades with varying degrees of success; and have occasionally found other travelers who use meditation or other forms of evolved spiritual tools in a similar manner. What hasn't arrived yet, and briefly mentioned in [22], is that transcendence could be used in a group effort, presenting a much more powerful instrument, with an inherent subjectivity approaching a threshold of objectivity. An applied group effort has been theoretically described in detail in respect to thwarting massacres [42].

Inspiration for a Supercontinent termed Pangeon Obscura related to LDS doctrine came by both revelation and the usual diligent application of the tools of academic research. The initial insight, the *transcendent spoke*, came from a line of scripture that had given me pause for decades;

“What power shall stay the heavens? As well might man stretch forth his puny arm to stop the Missouri river in its decreed course, or to turn it up stream, as to hinder the Almighty from pouring down knowledge from heaven upon the heads of the Latter-day Saints” [43]. *Our religion measures ... all ... God has revealed ... all the truth that is now in the possession of the world, whether it be scientific or Religious ... The whole world ... are indebted to him for it all, and I acknowledge him in all things* [40,44,45]; *Every good and perfect gift cometh from God* (James 1:17).

Here’s how it began: I was awoken with a start by the spirit of God at 3 AM Easter Sunday 2017 while on sabbatical in Kuala Lumpur, Malaysia; with the word *antipode* lodged vividly in my mind. Curiously, I had been sending occasional messages to friends in California saying, *“greetings from the opposite side of the world”*. Initially, I wondered if Kuala Lumpur was the antipode of Los Angeles. While turning on the computer to check, I wondered instead if Jerusalem was the antipode of Adam-ondi-Ahman (location in Missouri where LDS doctrine suggests Zion, a New Jerusalem, will be built to receive the Messiah) [34,35]. I was surprised to discover that Google has an antipode APP and that the database contained Adam-ondi-Ahman. Not having thought of Adam-ondi-Ahman for some time, I was pleased I spelled it correctly (perhaps through an additional scintilla of inspiration). As I fully awoke, I realized Jerusalem and Adam-ondi-Ahman couldn’t be antipode’s because they are in the same line of latitude. Then I wondered if Jerusalem and Adam-ondi-Ahman might have the same antipode during the millennium.

This was the big *aha moment* when I first thought in terms of supercontinents. I finally realized they would become one! The Google APP showed that the current antipodes of Adam-ondi-Ahman and Jerusalem were on opposite sides of Australia. Curiously, I found that Australia and India were the fastest moving continents, about 10 times faster than any of the other five [46].

A passage in the letter first LDS Prophet Joseph Smith wrote to the church while imprisoned in the Liberty Jail always gave me pause; then I learned why. *“What power shall stay the heavens? As well might man stretch forth his puny arm to stop the Missouri river in its decreed course, or to turn it up stream”* [43]. Thus, through LDS prophet Joseph Smith, the Lord hinted at a Pangeon Obscura Peleg-like configuration. Using the puzzle-piece model the author confabulated one possible design incorporating essential gospel components – Jerusalem (Word) and Adam-ondi-Ahman (Law) becoming united in one.

I continued pondering Joseph Smith’s letter to the church from the Liberty Jail referring to changing the course of the Missouri River [43]. I knew that our brethren the Jews, considered Jerusalem and Zion one in the same, having no reason to think otherwise; and that LDS doctrine considered them different locations, Jerusalem in Israel and the New Jerusalem in Jackson County Mo USA [34,35].

Geophysical research revealed that Jackson County, Missouri had anciently been ‘beachfront’ property. Analysis shows that this scenario has been obscured by a meteors, earthquakes, and volcanoes (Thus Pangeon Obscura). Additional revelation revealed that the Mediterranean could open and give birth as it were to Jerusalem causing it to march straight across the Atlantic Ocean towards Missouri. And in the same manner, the Eastern part of the peninsula shielding Jackson County, could fold up towards Canada, creating space for Jerusalem and Adam-ondi-Ahman to

become one by the end of the Judeo-Christian- Islamic Millennium.

Diligent research and contemplation revealed that Jackson County and Adam-ondi-Ahman, Missouri anciently were ocean bay shoreline near the confluence of the Missouri and Mississippi rivers. To understand this region, figuratively contrast the 1,250 km long Baja California peninsula separating the Pacific Ocean from the Gulf of California in Mexico with a proposed similar geographical occurrence anciently in the Mississippi River Basin flood plain between the Great Lakes and the Gulf of Mexico that separated Jackson County and Adam-ondi-Ahman from an Eastern land mass. At the northern end of the peninsula, the 3rd-largest known asteroid hit near what is now called Sudbury, Ontario, Canada 1.8 billion years ago. In the south, 66 million years ago, the 2nd-largest impactor, a 10 to 15 km wide asteroid struck the Yucatán Peninsula at Chicxulub, Mexico so forcefully that it formed a 150 km diameter crater. Although a distinctly different time frame from the Chicxulub impactor, the Sudbury Basin asteroid dramatically thinned the Earth's crust in the region. Thus, over millennia, numerous earthquakes, volcanic activity and associated tsunamis filled in the peninsula bay becoming the modern flood plain. This is the logic for proposing a Pangeon Obscura millennial reformation of a Peleg-like Global Supercontinent based on LDS doctrine.

Additional revelation revealed that the millennial process of reforming the Peleg-like Supercontinent would cause the Mediterranean to open giving birth to Jerusalem, causing its tectonic plates to march straight across the Atlantic Ocean to *greet Missouri with a holy kiss* (2 Cor. 13:12). And in the same manner, the Eastern part of the obscured Zion peninsula shielding Adam-ondi-Ahman, would fold up towards Canada, with open arms, creating space for Jerusalem and Adam-ondi-Ahman to become one by the end of the millennium.

References

- [1] Williams, C. Nield, T. (2007) Pangaea, the comeback, *NewScientist*; https://web.archive.org/web/20080413162401/http://www.science.org.au/nova/newscientist/104ns_011.htm.
- [2] Includes Pangea puzzle piece video; <https://www.newsweek.com/what-will-earth-look-when-next-supercontinent-forms-1232749>.
- [3] Wegener, A. (1966) J Biram (Trans.) *The origin of continents and oceans*, New York: Dover.
- [4] McElhinny, M.W. and McFadden, P.L. (2000) *Paleomagnetism: Continents and Oceans*, Academic Press.
- [5] Wegener, A. (1912) *Die Herausbildung der Grossformen der Erdrinde (Kontinente und Ozeane), auf geophysikalischer Grundlage, Petermanns Geographische Mitteilungen* (in German) **63**: 185–195, 253–256, 305–309; Open access: <https://www.gutenberg.org/ebooks/authors/search/?query=Alfred+Wegener>.
- [6] Jacoby, W.R. (1981) Modern concepts of earth dynamics anticipated by Alfred Wegener in 1912, *Geology*. **9** (1): 25–27.
- [7] Pangea; <https://en.wikipedia.org/wiki/Pangaea>.
- [8] <http://hawaii.hawaii.edu/math/Courses/Math100/Chapter1/Notes/Exercises/Demo135.htm>
- [9] Animation breakup of Pangea; https://en.wikipedia.org/wiki/Supercontinent#/media/File:Pangea_animation_03.gif.
- [10] Battersby, S. (2017) The next supercontinent: Four ways Earth could reshape itself, *NewScientist*; <https://www.newscientist.com/article/mg23631470-700-the-next-supercontinent-four-ways-earth-could-reshape-itself/#ixzz6sV0oZGly>.
- [11] Davies, H.S. Lisbon University, Portugal; <https://qph.fs.quoracdn.net/main-qimg->

0cd458d6f78f806e7505f1af686ebb5d.

- [12] Scotese, C.R. & van der Pluijm, B.A. (2020) Deconstructing tectonics: Ten animated explorations. *Earth and Space Science*, 7(11), e2019EA000989.
- [13] Scotese, C.R. (2014) Animation: Paleogeography (750 Ma - Present-day) <https://www.youtube.com/watch?v=tObhGzHH2aw>.
- [14] [https://en.wikipedia.org/wiki/Aurica_\(supercontinent\)](https://en.wikipedia.org/wiki/Aurica_(supercontinent)).
- [15] Duarte, J. Schellart, W. Rosas, F. (2016) The future of Earth's oceans: consequences of subduction initiation in the Atlantic and implications for supercontinent formation, *Geological Magazine*, **155**: 45–58, Cambridge Univ. Press.
- [16] Smith, K. (2012) Supercontinent Amasia to take North Pole position, *Nature News*.
- [17] Livermore, R. (2018) *The Tectonic Plates are Moving*, Oxford Univ. Press.
- [18] What Will Earth's Next Supercontinent Be?; <https://www.youtube.com/watch?v=2RmvAbncMYk>.
- [19] Davies, H., Green, M., Duarte, J., Matthews, K., Byrne, H., & Molloy, J. (2018) Future Earth: Testing different scenarios for the next supercontinental gathering and implications for supertidal cycles, in *EGU General Assembly Conference Abstracts* (p. 610); <https://ui.adsabs.harvard.edu/abs/2018EGUGA..20..610D/abstract>.
- [20] The Church of Jesus Christ of Latter-day Saints (1983) *The Doctrine and Covenants*, (D&C 133:21–24); <https://www.churchofjesuschrist.org/study/scriptures/dc-testament/dc/133?lang=eng>.
- [21] Amoroso, R.L. (2014) Biographical reflections on an 'emperor's new clothes', the immanent completion of the tools of epistemology, in RL Amoroso, LH Kauffman and P Rowlands (eds.) *The Physics of Reality Space, Time, Matter, Cosmos*, London: World Scientific; <https://vixra.org/pdf/1311.0015v1.pdf>.
- [22] Amoroso, R. L. (2010). Completing epistemology: the utility of Transcendence as a tool in scientific theory formation, in RL Amoroso (ed.) *Complementarity of Mind and Body: Realizing the Dream of Descartes, Einstein, and Eccles*, New York: Nova Science; <https://vixra.org/pdf/1305.0054v1.pdf>.
- [23] Josephson, B. (1987) Physics and spirituality: the next grand unification? *Phys. Educ.* 22 (1), 15, IOP Publishing; <https://philarchive.org/archive/JOSPAS>.
- [24] Holy Bible, KJV, Matthew 16:17: Jesus ... said unto him ... flesh and blood hath not revealed it unto thee, but my Father which is in heaven; <https://biblehub.com/kjv/matthew/16-17.htm>.
- [25] Amoroso, R. L. (2017) Pragmatic proof of God, *Scientific GOD Journal*, 8(7); <https://vixra.org/pdf/1802.0241v1.pdf>.
- [26] Lutgens, Frederick K. and Tarbuck, Edward J. (2000) *Essentials of Geology*, 7th Ed., Prentice Hall.
- [27] The Dynamic Earth, USGC; <http://pubs.usgs.gov/gip/dynamic/dynamic.html>.
- [28] http://earthobservatory.nasa.gov/Library/Giants/Wegener/wegener_4.html.
- [29] California Academy of Sciences; <https://www.calacademy.org/explore-science/evidence-of-plate-tectonics>.
- [30] <https://www.geolsoc.org.uk/Plate-Tectonics/Chap1-Pioneers-of-Plate-Tectonics/AlfredWegener/Glacial-Deposits-from-Permo-Carboniferous-Glaciation>.
- [31] Huggett, R.J. (2011) *Fundamentals of Geomorphology*, New York: Routledge; https://sudartomas.files.wordpress.com/2012/11/fundamentalsofgeomorphology_routledgefundamentalsofphysicalgeography.pdf.
- [32] EarthHow (2021) Earth's 7 Major tectonic plates; <https://earthhow.com/7-major-tectonic-plates/>.
- [33] Smith, J. (1921) *The pearl of great price: A selection from the revelations, translations, and narrations of Joseph Smith*, Book of Moses 7:62–63, The Church of Jesus Christ of Latter-day Saints, Utah: Salt Lake City.
- [34] Smith, J. (1921) *The pearl of great price: A selection from the revelations, translations, and narrations of Joseph Smith*, Book of Moses 7:65. The Church of Jesus Christ of Latter-day Saints, Utah: Salt Lake City.
- [35] Smith, J. (1842) *The Articles of Faith* (A of F 1:10), The Church of Jesus Christ of Latter-day Saints, Utah: Salt Lake City; <https://www.churchofjesuschrist.org/study/scriptures/pgp/a-of-f/1?lang=eng>.

- [36] Smith, J. (1983) *The Book of Mormon*, 3 Nephi 26:3, The Church of Jesus Christ of Latter-day Saints, Utah: Salt Lake City.
- [37] Smith, J.F. (1973) *Doctrines of Salvation, Sermons and Writings* (Vol. 3) Utah: Bookcraft. 1:85; 2:317.
- [38] Smith, J. (1983) *The Doctrine and Covenants*, D&C 49:23; 88:87; 109:74; 133:17–25, 44; The Church of Jesus Christ of Latter-day Saints, Utah: Salt Lake City.
- [39] Holy Bible, King James Version (KJV), Isaiah 54:10; Ezekiel 38:20; Revelation 16:15–20.
- [40] Young, B. (1997) *Teachings of the Presidents of the Church*, Brigham Young; <https://www.churchofjesuschrist.org/bc/content/shared/content/english/pdf/language-materials/35554eng.pdf?lang=eng>.
- [41] *Scientists and Belief* (2009); <https://www.pewforum.org/2009/11/05/scientists-and-belief/>.
- [42] Amoroso, R. L. (2016) Paraphysical Jurisprudent Massacre Mediation. *J Cons. Explor. & Res.*, 7(1) 134-152; <https://vixra.org/pdf/1512.0324v1.pdf>; <https://scigod.com/index.php/sgj/article/view/456>.
- [43] Smith, J. (1983) *The Doctrine and Covenants*, (D&C 121:33); The Church of Jesus Christ of Latter-day Saints, Utah: Salt Lake City.
- [44] Young, B. (1925) *Discourses of Brigham Young*, (DBY, 2) Salt Lake City: Deseret Book Company; https://ia600304.us.archive.org/17/items/DiscoursesOfBrighamYoung/discourses_of_brigham_young.pdf.
- [45] Young, B. (1925) *Discourses of Brigham Young*, (DBY, 18) Salt Lake City: Deseret Book Co.; https://ia600304.us.archive.org/17/items/DiscoursesOfBrighamYoung/discourses_of_brigham_young.pdf.
- [46] Google Antipode APP; <https://www.antipodesmap.com/>.