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ROCKY MOUNTAIN CREATION FELLOWSHIP



PHYSICS

Exploring Gravity

by Don DeYoung, Ph.D

RMCF SAFARI

A Trip Through
Dinosaur Ridge

SCIENCE THEORY

A Tale of Two Theories,
Part 7:
The Second Theory

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A Note from the Editor

You have probably noticed the revised look of FOUNDATIONS. It is part of my continuing quest to make FOUNDATIONS an enjoyable, as well as educational, experience.

Next, I want to establish a Letters to the Editor page.

FOUNDATIONS exists for YOU to build your faith and trust in God and the Bible, and for use as an evangelistic tool for the lost. Naturally, RMCF wants to know how we are doing! I won't have space to print every letter received, but I promise I'll read everything that is sent. Your feedback will help my quest to develop FOUNDATIONS into an evermore useful tool for you. Please send your comments and questions to: editor@youngearth.org. Be sure to include your full name and include "OK to print". I'll only print your first name and home city. I'll see you in the "Letters"!



Ed Johlman
EDITOR

FOUNDATIONS

ROCKY MOUNTAIN CREATION FELLOWSHIP

Promoting the Gospel of Jesus Christ through the Creation Testimony of Genesis 1-11



Exploring Gravity

by Don DeYoung, Ph.D



Don DeYoung is part-time faculty at Grace College Winona Lake, Indiana following a career in science and math. He is a graduate of Michigan Tech, Grace Seminary (MDiv), and Iowa State University (PhD, physics). Don has written 21 books on Bible-science topics including object lessons for kids. He and his wife Sally have three married daughters and ten grandchildren. Family activities include kayak-fishing and Grand Canyon backpacking.

INTRODUCTION

Gravity is an attractive force occurring between all objects, first described mathematically by Isaac Newton in the *Principia* (1687). This mysterious, invisible force acts directly through the vacuum of space and holds the planets in solar orbits. Here on earth, we find relief from gravity's relentless downward pull by resting horizontally. The word *gravity* has a Latin root meaning *heaviness*.

For any two masses m_1 and m_2 , separated by distance r , the gravity force F felt by both objects is

$$F = G \frac{m_1 m_2}{r^2}$$

Continued next page

G is the universal constant of gravitation, first measured by Henry Cavendish in 1798. The inverse-square dependence of distance r is consistent with the geometry of space. Likewise, the brightness of light and the loudness of sound diminishes with the square of distance. However, there have been efforts to detect small gravitational deviations in the square power of r since the formula appears “too neat” (Spero, 1980). Measurements of the gravity pull between small masses in the laboratory are made with a sensitive torsion pendulum. The r exponent is found to be precise to at least 2.00000. The gravity formula is indeed “neat” and illustrates intelligent planning for a stable universe.

It has been suggested that the gravity force was stronger in the distant past. This is an effort to explain the problem of initial star formation from a big bang origin of the universe. After all, the alleged big bang expansion should have resulted in a rapid, outward spreading of energy and material instead of collapsing into compact stars. As a possible solution, some have proposed that the gravitational constant G was once larger and primordial material was pulled together to form early stars, unlike what happens today with expanding nebulae. However, all available data supports an unchanging value for G as one of the many fundamental constants of nature. Thus the problem remains for spontaneous star formation in an early universe.

The following table shows the gravity pull experienced by a person at the surface of several locations based on an earth weight of 150 pounds.

LOCATION	Weight (pounds)
Interstellar space	0
Pluto	9
Moon	25
Earth	150
Jupiter	380
Neutron star	100,000,000,000
Black Hole	∞

In contrast to these numbers, the gravity attraction between you and a small nearby object, for example this *Foundations* issue, is negligible, about 10^{-10} pounds. The gravity force is $\sim 10^{40}$ times weaker than the familiar magnetic and electric forces. This is why a small refrigerator magnet holds an object secure and overcomes the gravity attraction of the entire earth.

It is on the large scale of space objects where

gravity becomes the dominant force. This is because the electric and magnetic forces both attract and repel, and they tend to cancel. In contrast, the gravity force is always attractive and cannot be shielded or canceled. That is, there is no “anti-gravity” machine.

The immense gravitational attraction between the earth and moon is 20 thousand trillion tons (4×10^{19} pounds), resulting in the ocean tides and also the stable lunar orbit. As a thought problem, suppose earth-moon gravity could be temporarily replaced by the tension of a steel cable. To the earth-moon gravity, this cable would require a diameter or thickness of nearly 1600 miles, an impressive cable. Indeed, such a cable would require more iron and steel than is available on planet earth.

ORIGIN OF GRAVITY

The origin of the physical laws of nature is seldom discussed in science circles, yet the regularity of these laws is assumed and depended upon every moment. Clearly, such laws carry the fingerprint of the Creator. This lack of credible natural origin theories for gravity and other physical laws is discussed elsewhere (DeYoung, 2021).

To explain the mechanism of gravity acting across vast distances of space, one suggestion is that clouds of invisible particles called gravitons stream between all objects and they somehow tie matter together with an attractive binding force. These proposed gravitons would have no mass or electric charge while traveling at light speed, somewhat analogous to the familiar photons which describe electromagnetic radiation. Thus far, all efforts to detect gravitons have failed and, in fact, they may not exist.

In contrast to the quantum world of gravitons, Einstein’s general relativity in 1916 pictures gravitation as a warping of space-time. That is, an object like the sun causes a curvature or dip in 3-d space, somewhat like a bowling ball placed at the center of a trampoline. Planet earth then circles the sun, captured on the slope of the depression in space. The earth in turn causes its own space curvature, holding the moon in orbit. The gravity model can be visualized by a depressed trampoline; however the concept becomes abstract in three-dimensional space.

In support of space curvature, gravity waves were detected in 2015 by the Laser Interferometer Gravitational-Wave Observatory (LIGO). These ripples or distortions in space-time may result from black hole and/or neutron star collisions in deep

space. The traveling waves slightly squeeze and stretch the fabric of space or matter as they pass through. The linear extent of space distortion is negligible, comparable to the diameter of single nucleus. As another way to describe it, a passing gravity wave would compress the entire diameter of the earth by only 10^{-5} nanometers. It is impressive that the LIGO instrument can detect such miniscule ripples in space. Hundreds of gravity wave events have now been detected.

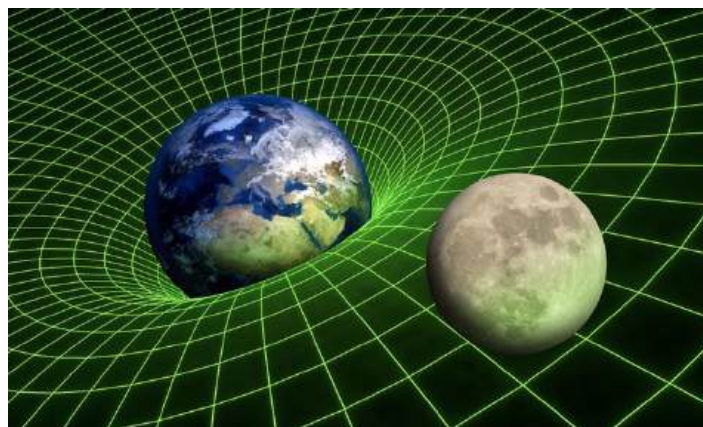
Gravity waves travel at light speed which is also the propagation speed of the gravity force itself as measured in 2003 (Fomalont). This means that if the sun instantly disappeared, the earth's orbital motion would continue for 8 minutes and 20 seconds, the earth-sun light travel time. After this time delay the earth would leave its orbit on a straight-line path. The finite gravity speed contrasts with Isaac Newton's early assumption that the influence of gravity is instantaneous through space.

Whether quantized gravitons or space curvature give the correct gravity description is not known. Similar to the wave-particle duality of light, gravity may be a combination of current models. Whatever the case, notice that the models do not explain why gravitons or curved space should exist in the first place. Naturalism simply cannot explain the ultimate origin of gravity or anything else in the universe.

Over the decades, creation scientists have proposed novel explanations for gravitation. For example, physicist Thomas Barnes (1911-2001) presented an electric theory of gravity. Barnes suggested that the gravity force results from electric fields with attraction always dominating and masking repulsion. This and other classical physics models may merit further research.

CONCLUSION

Gravity is one of the four fundamental physical forces, the other three being electromagnetism along with the weak and strong nuclear forces. Gravity is familiar and experienced daily, yet it is the least understood physical force. Does the gravity force actually distort space-time, or is it the reverse, with changes in the fabric of space producing gravity? Furthermore, even if gravitons or gravity waves are real, what is the deeper level of their origin and existence? As with all origin questions, one is brought back finally to Colossians 1:17, "Christ is before all things, and in him all things consist and hold together." It is no wonder that gravity remains a mystery since physical laws are an interface between the natural and supernatural worlds.



Drawing of curved space. The moon orbits the earth along the slope or dip in space resulting from earth's gravity.

REFERENCES

- DeYoung, Don. 2021. Origin of the Laws of Nature. *CRSQ* 57(4): 263-268.
- Fomalont, E.B. et al. 2003. The measurement of the light deflection from Jupiter: Experimental results. *Astrophysical Journal*. 598(1):704-711.
- Spero et al. 1980. Test of the gravitational inverse-square law at laboratory distances. *Physical Review Letters* 44 (25):1645.

SOME GRAVITY FACTS:

- *You are about $\frac{1}{2}$ inch taller in the morning than the evening. The downward pull of gravity compresses our spine during the day with slow recovery when we lie down.
- * You weigh about 1% more at the earth's poles than at the equator, for example 200# compared to 198#. There are two reasons. First, the spinning earth causes a slight flattening of the poles, placing them 13 miles closer to earth's center than the equator. Second, the earth's rotation gives a small 'lift' at the equator, similar to a spinning clothes dryer.
- * You weigh slightly less when in a high rise because you are further from the center of the earth. Likewise, weight is slightly increased when at sea level. Time also passes a bit faster in a high rise than at sea level, called gravitational time dilation.
- *There are popular tourist attractions where gravity is claimed to behave strangely: Water appears to flow uphill and trees grow on a slant. Such "mystery spots" are optical illusions which take advantage of sloped ground. These locations do not defy gravity.
- *Lewis Carroll (1832-1898), author of *Alice in Wonderland*, once suggested the drilling of tunnels directly through the earth at various angles. Frictionless capsules or "gravity trains" could then carry passengers to distant locations using gravity alone as the driving force with no fuel required. Furthermore, the one-way trip between any two locations on earth through the tunnels would take 42 minutes. Why is this idea impractical?

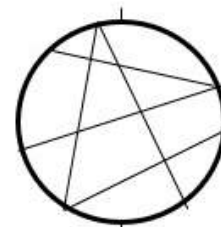


Illustration of tunnels through the earth. From Denver, one could reach any other location in just 42 minutes.



A TRIP THROUGH

BY DIVINITY HAM



Friday, September 15, 2023. It was a cloudy day. When I had gotten out of the car, it had just finished raining, the last droplets coming down and lapping against my coat. The forecast was set to continue raining all day, so I had gotten ready for whatever the day would throw at me.

I had never been to Dinosaur Ridge. Even after living in Littleton for three years, it had never occurred to me that just twenty minutes from my old house was a cozy little trail full of jagged rock formations and dinosaur fossils buried inside of them. I was expecting something deeper in the mountains, maybe long and winding, with the different bones and rock formations in different 'blink and you'll miss it' areas. But what I found instead was a piece of history quite closer to the city than I would've thought and a vibrant community with a mission of spreading the gospel and creationism.

I had made it just in time to the eleven o'clock tour, right when the rest of the guests were being introduced to what they were about to embark on. I grabbed my badge and joined the others, listening to our first speaker as he talked about the goals of the Rocky Mountain Creation Fellowship in their Dinosaur Ridge Safari. I was surrounded by families. There were young children, parents, and grandparents. I watched as some of the kids played on the rocks or jumped around in the mud, excited for the idea of getting to see dinosaurs and the remnants of them. There was a feeling of anticipation around me, one that I couldn't help but feel in return.

And just like that, we were off. I kicked pebbles away from my shoes, already starting to get hot

from my rain jacket. The people around me were all in their own conversations, some of the kids asking where exactly they were going while the other adults talked about previous tours they had been on with the organization in the past. I simply took in the nature around me, breathing in the fresh air. Even with all the clouds and the remnants of the rain, I could tell there was something special going on here.

We went through different sites full of dinosaur tracks and the carvings of ripple marks in the rocks. There were other layers that had clearly shifted and cracked, pieces of history that left hints of what the Rocky Mountain Creation Fellowship were speaking on.

One of the guides I ended up talking to had a section at the top of the hill, near a wall of jagged rock formations and layers of sediment. Evolutionists have gone on to say how these layers of rock had been built up over thousands of years. Koa Schultz and other guides on the tour approach this differently. He went through his part of the tour pointing out the different areas of the rocks and how they connected to the biblical principles. To creationism.

Rob Bracken, one of the leaders of Rocky Mountain Creation Fellowship, touched on his hopes for the event and on what the guides were speaking on, "We really want to get the message that creation occurred according to the biblical testimony. The secular world has misinterpreted the rocks and what can be seen in geology [so much] that it almost seems that the world has deliberately made the rock record appear as if the bible isn't true. In fact, when you really go

DINOSAUR RIDGE



into the details and you really look at the big picture, then you can see that the rock record does testify the truth of scriptural testimony... It's a testimony of the Great Flood and how it occurred quickly and recently."

Koa went into more detail on the manner, going over to the different areas of the rocks and even leading viewers over to a wall of rock with a raptor footprint on it. Many of the families looked at the areas in interest. I overheard a father as he tried to answer his son's questions, talking more about what Koa had touched on.

After my tour, I later came back to ask the guide how he thought the event had turned out. He stated that, "I enjoy telling kids, hey, stand up for your faith and giving them [those] little tidbits that are easy to remember. I think that there are a lot of kids that are receptive to [what we're teaching] and I think that if we keep on trying to push home that you can stay on the word of God for creation and not evolution and you don't have to try and mix it, then I think that it is turning out very well."

Other guides on the tour spoke of similar things. As we were taken up the hill through sights of where the dinosaurs once stepped or in areas where bones had fossilized inside the rocks, I stopped and talked to Christian Perez, a speaker from Grand Junction. His part of the tour went into areas of the land that held hints of where a brontosaurus had once stepped, showing another example of the layers of rock and how it more pointed toward creationism and the ideals from the bible than from evolution.

I asked him about his goals today, Christian going into the many things he had seen through his different tour groups. "Everyone's had great questions and people [are] generally nice about everything. They want to know more. [And] that's turned into the main goal. Just coming out here and helping people learn more about things."

As my tour settled down for the day, I thought about the many things I had witnessed. Not just prehistoric remnants left out in Dinosaur Ridge but everything the tour guides went over. The ideas of how quickly God had created all these things and how it compared to the stories of evolution. When speaking to Rob about the Safari and what he hoped for visitors and volunteers to get out of it, he said how he hoped they would have "a way to strengthen their faith in the Lord and in the word he's given us."

And while I made my way from Dinosaur Ridge, I couldn't help but think more about what he said. I thought of the parents and their kids as they asked more questions. I thought of their willingness to learn and fully take in God's word for what it was.

I believe that the Rocky Mountain Creation Fellowship accomplished just that.



Divinity Ham is currently a college student attending MSU Denver. She hopes to use her skills in the journalism industry through writing and documentary. While not writing, she loves traveling, watching movies, and listening to her record collection.



Devotion to Christ His Mission . . .

“For the wages of sin is death, but the free gift of God is eternal life in Christ Jesus our Lord.”
Romans 6:23

The language in that verse is interesting. Note that the free gift is “in” the Lord Jesus, not just from Him. If I give a gift, it is from me. What Christ gives us is an intrinsic part of who He is. Only God can forgive sins (Luke 5:21,24, Mark 2:10).

Consider what He went through to make this gift available to us! He was attacked, spit upon, beaten, whipped to near death—and then the horrific crucifixion. He endured it all for the “joy set before Him,” which was saving us. (Hebrews 12:2).

Frequently when we share the Gospel of salvation with an unbeliever we are told, “I’m a good person. I will probably be in Heaven.” There is always a twinge of uncertainty about their ultimate destination, probably because we all know intrinsically we really aren’t all that good. The Bible says very plainly that only “God is good” (Mark 10:18, Luke 18:19), “None is righteous, no, not one” (Romans 3:10), “You are my LORD; I have no good apart from you” (Ps 16:2). Being “good” won’t help any of us because it is an impossibility.

If being “good” could get us into Heaven, then why did Christ have to endure all that grief, torture and punishment? Remember when He

asked the Father, if it were possible, that cup would be taken away from Him? Luke 22:42. Well, it wasn’t possible. What He did for us was the **only way** for us to be saved. I don’t know where the foolishness about being a “good” person came from. Wishful thinking? But certainly from people “who do not understand the Scriptures, or the power of God.” Mark 12:24. Or the power of sin.

“But the free gift is not like the transgression. For if by the transgression of the one the many died, much more did the grace of God and gift by the grace of the one Man, Jesus Christ, abound to the many.” Romans 5:15

How different are those? Eve and Adam selfishly doomed all of us through their behavior. Don’t get too proud of yourself. Any one of us would have behaved the same way. But the Lord Jesus willfully, purposely, “set His face like flint” (Luke 9:51) to bring us salvation through the horrible cost of the cross at Calvary. Today we have special times to celebrate that and His empty tomb (Communion). Our Savior is alive! He offers us the life that He actually possesses right now! He was dead, but now he is alive (Revelation 1:18)! He is awaiting the times when He will receive those who have placed their confidence in Heaven in His finished work, not in our own goodness. I can scarce take it in!

- Ed Johlman, Editor

Science: A Tale of Two Theories Part 7 - The Second Theory

by Rob Bracken, RMC President

Recall that there are four stages to any scientific investigation: Motive, Hypothesis, Prediction, and Verification⁹⁹. In Parts 1 – 6 of this series, *A Tale of Two Theories* (Bracken, 2024), each of these stages was illustrated through the development of Relativity¹⁰⁰. And conversely, in following this paradigm, Relativity was seen to be excellent science that has not been falsified¹⁰¹. Thus, the tale of the first theory is complete, and demonstrates the pattern of good science to which the second theory should conform.

The second theory then is “Darwinian evolution” as described at length in Charles Darwin’s book: *On the Origin of Species by Means of Natural Selection OR The Preservation of Favoured Races in the Struggle for Life* (Darwin, 1859)¹⁰². Here, I am abbreviating this theory “Evolution”, where the capitalization distinguishes it from spin-offs and from the malaise of generalized evolutionary thinking that has gripped our society as a result of it. So let us now see if Evolution conforms to the standard of good science.

Motive—As you may recall from Part 1, motive deals with why a particular line of scientific inquiry is being launched: Upon what foundational research is the investigator building? And, what is the concern he will be addressing in the hypothesis? Now the primary foundation of Relativity was the solidly scientific results of Newton and Maxwell. And the primary concern was to resolve a subtle conflict that had arisen between Newton’s mechanics and Maxwell’s electrodynamics. We now consider these same questions in regard to Darwin’s work, after examining cultural influences:

Cultural Background—The “scientific” atmosphere of the 1800’s had developed on the heels of the so-called Enlightenment, which seems the worldly expression of

Daniel 12:4 (“...knowledge shall be increased”). While there had been a thread of true scientists extending from the 15th century, such as Copernicus, Galileo, Kepler, Boyle, Newton, Kelvin, and Maxwell, much of what passed for science in 19th century Europe wafted from a cauldron of epistemological philosophies (how we know things), including (among others) *rationalism*, *empiricism*, *pragmatism*, and *naturalism*.

These philosophical forms, when taken to their logical ends, contradicted their own premises, which of course falsified them. It is therefore not surprising that the Greek philosophers, who provided the foundation of these forms, thinking that truth could be found through reason alone, were powerfully rebuked by the Apostle Paul in 1st Corinthians 1:19,20. In effect, the Bible predicted the failure of the epistemological philosophies.

In truly scientific endeavor, the fallen nature of man, which hinders lucid reasoning and obscures discernment of truth, is restrained and adjudicated through verification by the standard of God’s creation (observation). Moreover, as demonstrated in Parts 1-6, this verification must be applied at the final stage of the structured approach known as the scientific method. It was through scientific verification that the schism between Mechanics and Electrodynamics was uncovered, which spurred on the investigation leading to Relativity.

However, Evolution had no such beginning. It was not built upon verified science. Just as the epistemological philosophers had built on the faulty foundation of the Greek philosophers and were proven wrong, so also, Darwin built on the faulty foundation of Charles Lyell, whose work we discuss shortly. Not only so, but Darwin’s own thinking and methodology were patterned af-

Continued next page

ter the pseudo-scientific philosophy of his time, not after science.

In any case, by the 19th century the errors of the epistemological philosophies were coming to light. However, it appears the popular view remained myopic, recognizing only that both reason and observation were components of science, but perhaps not understanding that reason and observation had to be applied within the structure of the scientific method in order to produce veracity. (Just because a complex work, such as Darwin's book, is a spaghetti of reasonings and observations does not make it scientific). This pseudo-scientific culture was the cradle of Darwin's ideas: many could be misled by the mere appearance of science.

Whether he recognized this cultural naivety and took advantage of it, or whether he was himself uncertain about the scientific method, is not at all clear. What is clear, however, is that the scientific method was suppressed in Darwin's work. While he must have realized that verification was important to real science, we find that his theory was not structured with a verify/falsify outcome in mind: he did not follow the scientific method.

Evolution's Foundation—This type of approach can also be seen in Charles Lyell's landmark work, *The Principles of Geology*, which was the primary foundation of Darwin's work. Regrettably, it remains the backbone of so-called modern geology, which is emphatically taught as fact by our culture and virtually all of our schools.

While Lyell conducted sub-studies in an appearance of support for his theses, he had a penchant for assuming his own explanations to be axiomatic rather than suppositional. Consequently, if he did not agree with a result, he would modify it or explain it away. Hence, he chose the misnomer "principles" in his title, but honesty would have demanded "suppositions" or "hypotheses".

According to Taylor (2008, pg 92), locals told Lyell that Niagara Falls was receding at about 3 feet per year. But he published his own arbitrary number of 1 foot per year. At this slower rate, Niagara Falls appeared to be about 35,000 years old; and many people were suddenly duped into thinking that the Biblical age of the earth had been falsified. In fact, actual measurements show the falls to be receding at 4-5 feet per year, which falsifies Lyell instead, and verifies the Bible!

In another study, also described in Taylor (2008, pg 94), Lyell and his associates measured deposition rates and strata thicknesses in river deltas. When these results showed the ages of these deltas to fall far short of the million years Lyell desired, he tried to explain away the discrepancy by saying erosion had left the layers much thinner than when they had been laid down. However, even after having assumed every layer to be as thick as

the thickest layer, his river deltas remained only thousands of years old. Taylor (2008) goes on to explain that, today, they have abandoned "measuring sedimentary deposits to determine the age of the rocks". (Strange isn't it? ... How they simply throw out conflicting results).

To promote long ages, Lyell utilized a "principle" known as *superposition*, which is attributed to Nicolaus Steno in 1667 (Taylor 2008, pg 85). Superposition presumes layers of sediment to be deposited one on top of another over great time periods. A higher layer in a formation will then have been deposited later than a lower layer and is therefore believed younger. This is the basis of deriving supposed ages from Lyell's geologic column.

However, Taylor (2008, pp 88,100) gives multiple references and descriptions explaining that, in an experimentally verifiable process called progradation, vertical sections of strata are deposited simultaneously from moving water, so that higher layers are deposited at the same instant as lower layers. This is an energetic sorting of solids (including fossils) as they are squeezed out. These repeatable experiments, together with the great field example of Mount Saint Helens, and the discovery of global mega-sequences, completely bury superposition together with any associated temporal implications of Lyell's geologic column.

Superposition is no principle at all. It perhaps has certain limited explanatory power for fine bedding structures in localized lacustrine (still-water lake) environments. But it does in no way address the massive, pervasive, and obviously high-energy depositional environments that dominate geologic sections world-wide. These deposits continually remind everyone of how God overthrew the irreconcilably wicked culture that inhabited earth prior to the Noahic flood, as recorded in the Bible.

However, disbelieving the miraculous accounts in the Bible (the creation), and finding offense in God's judgments (the flood), Lyell crafted a masterful deception under the guise of science. His deception had two prongs: 1) He replaced the eyewitness Biblical history with his own imaginary "prehistory" extending over vast ages purported to have existed prior to the beginning of the creation; and 2) He replaced the Noahic flood—which is not only recorded in the Bible and obvious in observation, but has been passed down in the traditions of practically every culture of the world—with a fictitious series of small inland advances of the seas.





Through these fairytales, Lyell has deceived untold millions of people into thinking science demonstrates the Biblical timeline to be untrustworthy, when in fact, the operations of honestly reported science do just the opposite.

Lyell's result was then to destroy the testimony of Christ in the heart's of men by using an appearance of scientific veracity to undermine Genesis, the foundation of the Gospel—he attacked the Great Flood and insinuated that the earth is orders of magnitude older than what the Scriptures say¹⁰³. This is not a slanderous accusation, as what I have just said is well supported in Taylor

(2008) where, on page 61, he quotes from Himmelfarb (1968, pg 387) relating Darwin's own words:

Lyell is most firmly convinced that he has shaken the faith in the Deluge far more efficiently by never having said a word against the Bible than if he had acted otherwise ... I have read lately Morley's Life of Voltaire and he insists strongly that direct attacks on Christianity (even when written with the powerful force and vigor of Voltaire) produce little permanent effect; real good seems only to follow the slow and silent side attacks.

This quote shows the utter deceit of Lyell; but Ian Taylor (2008, pg 61), who was an outstanding historian, takes the occasion in a footnote to point out Darwin's "completely irreligious nature".

Lyell and Darwin were peas in a pod. Being built on Lyell's so-called "principles", Evolution and modern geology have yielded dreadful fruit (see Matthew 7:15-17), including: 180,000,000 innocent people murdered in the 20th century at the hands of wicked men and their philosophies (Marx, Lenin, Hitler, Stalin, Mao, Pol Pot) who justified themselves by Evolution; and uncountable millions more who have rejected Christ Jesus—their only escape from the torment of eternal fire—because they believed the Bible had been falsified by modern geology.

Moreover, the Scriptures prophesy of evolutionists and modern geologists—people who replace the Living God with man, birds, animals, and reptiles (Romans 1:23), and scoffers who overlook the Noahic flood because they want to suppress the knowledge that Almighty God has judged and will judge the world (2 Peter 3:3-7).

Evolution could not have survived on the Biblical foundation, because, as we shall see, Darwin's hypothesis is untenable on its face unless vast spaces of time are allocated to its process. Therefore, Lyell's pseudo-scientific prehistory—a false succession of ages assigned

to geologic formations—was Evolution's indispensable foundation.

Evolution's Concern—Now what was the scientific concern that Darwin was attempting to address in his work? In Darwin's time, baraminology (the study of created kinds) did not exist. However, the Biblical account in which God created each animal "after its kind" had been misinterpreted to mean that each *species* was immutable. This concept was called "fixity of species", and seemed at odds with known results of domestic cross breeding and plant hybridization.

Therefore, reasonable scientific inquiry might ask, "from where *did* the various species come?" And Darwin's title confirms that "the Origin of Species" was his scientific concern, while "Natural Selection", was his means to produce each species.

Hypothesis—The hypothesis is the fundamental concept, law, or process that explains or answers the scientific concern. However, Darwin did not set forth an explicit hypothesis. Rather it is woven into his tome, implied by so many words. So in order to fit Evolution into the form of a scientific investigation, I have derived the following three components from his book, which I believe are a faithful representation of Darwin's fundamental explanation for how the various species came into existence:

First Component of Evolution—*In reproduction, there are very small variations among the offspring. Occasionally, an individual will receive a variation that has a certain small survival advantage with respect to its environment, above its siblings. Being more robust, this individual will survive longer and/or produce more offspring than its siblings.*

This first component identifies the kernel of the process through which Darwin believed the various species were formed. He attributed the idea to "the doctrine of Malthus" (Darwin, 1859, pg 539), which is discussed in Taylor (2008, pg 63). At first, Darwin called this process "natural selection" but later realized that it was identical to "survival of the fittest", a term first coined by Herbert Spencer in 1865 (Taylor, 2008, pg 165).

Second Component of Evolution—*Trait variations are passed on to the succeeding generation.*

This is a necessary part of natural selection, because if a trait that gives advantage is not passed to the progeny, its advantage is lost. Therefore over generations, survival of the fittest amplifies the higher survivability traits and suppresses the lower¹⁰⁴, such that systematic changes in the population occur over vast spaces of time.

Now if Darwin had stopped here, without the unjustifiable extrapolation of his next component, perhaps Evolution could have broken the fixity-of-species myth without transgressing Biblical kinds or the Biblical time-

Continued next page

line. However, that would have been contrary to Darwin's motive.

Instead, he blew right past the knowledge revealed in the scriptures and conjectured that, if small variations we observe can be passed on, they could accumulate over vast time periods into larger variations recognized as new kinds. In this, Darwin failed to acknowledge inherent limitations of physical systems. So I have cast this third component in terms that highlight the intractable amount of extrapolation being proposed:

Third Component of Evolution—*There are no limitations to the degree and type of variations that can occur through the processes of the first and second components.*

This proposition allows obvious natural boundaries to be breached, suggesting that, in the dark recesses of (an imaginary) "prehistory", the processes of natural selection have caused one kind of plant or animal to change into another kind, supposedly producing the vast array of flora and fauna we observe today.

Consequently, in the course of reading Darwin's book, it is subtly suggested to the reader that this third component is a reasonable scientific prediction, when in fact it is a flimsy hypothesis that has yet to bare the scrutiny of scientific prediction and probable falsification. This furtive concept (reasonableness of the third component), perhaps more than anything else, changes Evolution from being simply a poor scientific endeavor, into being a sophisticated dissimulation of the Bible.

Conclusion—Darwin's failure to present the third component in its proper light coincides with a well crafted deception, in which the intended falsehood is never explicit, but is rather what the targeted audience is led to conclude on their own. When the serpent deceived Eve, he simply pointed her to the lie, but she drew her own conclusion, "*that the tree was good ..., pleasant ..., and desirable ...*" (Genesis 3:6).

Just as the discoverer of treasure owns what he finds, a deceived audience is led secretly to discover and thereby own the false idea. So when the real truth is later presented frankly and convincingly, they think the truth to be a thief, trying to steal what they own. Many have even built their lives on false beliefs. Yet, recall that Jesus said, "... whosoever will lose his life for my sake shall find it" (Matthew 16:25).

This stratagem is not confined to the hypothesis stage. At the motive stage, Lyell's geology claims vast ages using misinterpretations of fossils in a supposed geologic age column. These hypothesis- and motive-stage deceptions then interact, concealing a complex loop of circular reasoning that strengthens the ownership of a delusion purporting the Bible to be scientifically proven incorrect. Nevertheless, all this merely sets the stage. In the next issue, we will actually see Evolu-

tion scientifically falsified through prediction and verification.

Footnotes

⁹⁹The stages of scientific investigation are described in Part 5 of Bracken (2024).

¹⁰⁰Here, capitalization of the word, "Relativity", shows it to mean Einstein's specific scientific endeavor, and distinguishes it from any generic or philosophical use of the word.

¹⁰¹In Part 6 of Bracken (2024), multiple experimental verifications of the predictions of Relativity are discussed, and assertion is made that no substantive falsifications have ever occurred.

¹⁰²The Darwin (1859) reference is a two-book volume with *The Voyage of the Beagle* being first in the set, followed by *Origin of Species*. However in the volume title, *Origin of Species* appears first, such that *The Voyage of the Beagle* seems to be Darwin's co-title, when in fact his co-title is: *The Preservation of Favoured Races in the Struggle for Life*. This co-title appears only once in the volume, on page 519, not in the table of contents, and at that in very small print. So the publisher cleverly suppressed the racist implications of Evolution. Nevertheless, Adolf Hitler agreed with Charles Darwin, titling his infamous book *Mein Kampf*, which, translated "My Struggle", is an obvious reference to Darwin's co-title.

¹⁰³Lyell's indirect tactic of undermining Genesis (and thereby the Gospel), is also carried out with less sophistication by others who make light of Arch Bishop Usher's age of the earth. They might as well make light of the Scriptures, because Usher's chronology was largely derived from the Scriptures.

¹⁰⁴Darwin believed that natural selection operated through *divergence* and *extinction*, to which he refers on page 638 of Darwin (1859), and discusses in many other passages of his work.


References Cited

- Bracken, R.E., 2019, The Age of the Earth, a Compendium of 9 articles from Foundations magazine. Rocky Mountain Creation Fellowship, PO Box 3451, Littleton, CO 80161.
- Bracken, R.E., 2024, A Tale of Two Theories, a Series in 8 parts, Foundations Magazine, Vols. 5 & 6, 2022, Vols. 1, 2, 3, & 4, 2023, and Vols. 1, 2, 2024, Published by Rocky Mountain Creation Fellowship, PO Box 3451, Littleton, CO 80161.
- Darwin, Charles, 1859, The Origin of the Species and the Voyage of the Beagle (two books in one compendium), published by Alfred A. Knopf, copyright 2003, Penguin Random House, LLC, New York. 972 pp., ISBN 978-1-4000-4127-5. (See "NOTE ON THE TEXT" on page xxxi, explaining that *Origin of Species* in this volume is Darwin's first edition. He actually published six editions over the decade following 1859).
- Himmelfarb, Gertrude, 1968, Darwin and the Darwinian Revolution. Reprint. New York: W.W. Norton. [from Taylor's Bibliography]
- Taylor, Ian T., 2008, In the Minds of Men, Darwin and the New World Order, Sixth Edition, TFE Publishing, In co-operation with: Creation Moments, Inc., PO Box 839, Foley, MN 56329, ISBN: 978-1-882510-15-3, 518 pp.



Mr. Bracken has worked for over 40 years in potential fields geophysics with primary interests in magnetic methods and equipment development. Having authored or coauthored circa 50 scientific reports and research papers, he has developed a number of systems, techniques and modeling processes. His escape from the evolutionary delusion began in 1979 when he received the Lord Jesus after a Holy Spirit led bush pilot shared the Gospel message and provided a free ride to Arctic Village, Alaska.

RMCF COLLEGE OUTREACH



Hi! I'm Ryan!. As we all know, colleges and universities are major battle grounds of faith. During a time when so many young people are establishing their identities, it is critical that they are exposed to the saving word of God and not only secular ideologies. Evolution is one of the primary tools employed by the enemy against young Christians. Therefore, countering the theory of evolution with scientific facts and reason from a faith based background is critical on college campuses.

We at Rocky Mountain Creation Fellowship want to get into the fight and we need your help! If you or someone close to you is a student or involved with a university in any way, please reach out to me at ryan@youngearth.org for information on how you can get involved and help fight the lie of evolution.



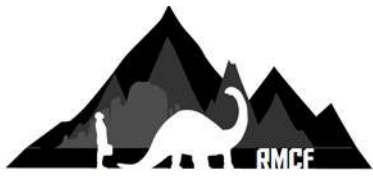
Next in the Spring 2024 issue of
FOUNDATIONS:



Mike Oard on Precambrian Rock



Part 8 of A Tale of Two Theories



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For in six days the LORD made
the heavens and the earth,
the sea and all that is in them.
Exodus 20:11

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7pm at the Littleton Baptist Church, 1400 W Caley, Littleton, CO

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