

Hydroplate Theory on the Origin of Earth's Radioactivity Pt. 2

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Real Science Radio

Correcting Google: For years now Google's summary box atop their results repeats a widespread physics error of omission when anyone searches for: nuclear fusion. They describe fusion as a nuclear reaction that fuses atomic nuclei with an accompanying, "*release* of energy." Wikipedia didn't fix that same error until Sept. 4, 2018 when an editor added, "the release *or absorption*" of energy.

Google suggests that 400,000 web pages are related to a search for: *origin of earth's radioactivity*, and their #1 ranked page is Dr. Walt Brown's presentation of the hydroplate theory of the global flood. On that top page, and crucial for understanding Earth's radioactivity, Walt reminds readers that, "Fusion that forms elements heavier than 60 Atomic Mass Units (near iron) *absorbs* energy."

Handling the Heat: A few of those atheist "knockout" questions remain from Part 1, including, "Wouldn't all the heat from radioactive decay melt the crust if Earth were less than 10,000 years old?" Thousands of lab experiments in Ukraine and elsewhere using (electrical) Z-pinch to fuse and fission common elements to produce rare, radioactive, and other elements demonstrate that the entire process is "adiabatic" and therefore doesn't increase heat.

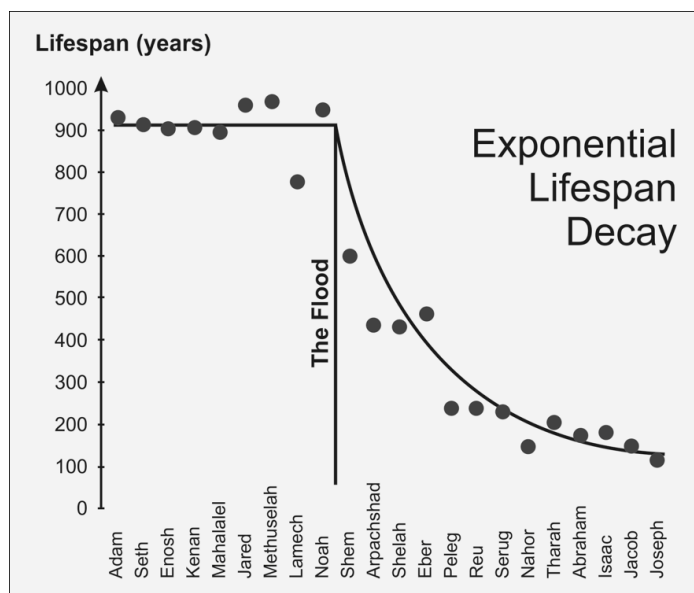
Sadly, Kiev is discussed today not for its stunning Z-pinch nuclear physics discoveries but for the bribing of a vice president. For many years and just seven miles from the Rocky Mountain Creation Fellowship's meeting place, theoretical physicist Alwyn van der Merwe, now professor emeritus, taught in the Department of Physics and Astronomy at the University of Denver. Prof. van der Merwe, a significant figure in foundational physics journals, was the editor of Springer's *Fundamental Theories of Physics* when they published in 2007 a series of papers on the electro-nuclear work of Ukraine's Proton-21 laboratory. So this stuff is real.

Characteristic of that work, reproduced to significant degrees in Russia, Germany, Sweden and the USA's Sandia National Laboratories (see rsr.org/radioactivity), is that brief plasma (lightning) pulses produced

elements through fusion and fission, including many unstable radioactive and even superheavy elements that quickly fission, without the overall process releasing heat. The main thermo characteristic of the approximately 20,000 experiments conducted in analytical labs internationally was that they were adiabatic.

As created, the Earth had no uranium. The flood's intense tectonic pressures on granite and other quartz-rich rocks produced piezoelectric gigavoltages of subterranean lightning. This rapidly squeezed together and fissioned nuclei by Z-pinch and other known forces producing today's crustal radioactivity and much of its decay chain products. The adiabatic nature of these combined processes, called cold repacking, is one of the more significant reasons why the flood's nuclear processes did not melt the Earth. (See rsr.org/heat.)

Shrinking Lifespans: Uranium, thorium, polonium, radon, potassium-40, etc., were formed in Earth's crust, not miraculously, but during the global judgment by known and carefully studied physical forces. Mankind's previous 900-year lifespan suddenly decreased with continental radioactivity as the major factor. Rapid, non-random exponential decay brought the previous equilibrium toward a leveling off approaching today's life expectancy.



Accelerated Radioactive Decay: Unfortunately, almost all half-life research for nuclear decay has used electrically neutral atoms. Yet while Noah's family was in the ark, the crust was flooded with piezoelectricity.

More recent research has shown that when stripped of electrons, the half-life of one isotope decreased a billion-fold. This effect, Z-pinch, and other factors aid the hydroplate theory's explanation of accelerated decay. (For example, see rsr.org/rhenium.)

Young-earth scientists, as a group, acknowledge the overwhelming evidence in Earth's crust for tremendous accelerated radioactivity. (See rsr.org/RATE.) Those who reject the HPT's fountains-of-the-great-deep flood model, however, admit they know of no physical mechanism, flood-related or otherwise, to explain both the enormous acceleration of radioactivity throughout the crust, and then the removal of the heat they expect that activity would generate. The subterranean architecture created by God, described by the fountains flood model (HPT), had a design requirement of reserving floodwaters toward a global judgment. The firmament divided the Earth's waters. On Day Two, the creation of Earth's crust (rsr.org/raqia, *rock*, crustal plate, i.e., foundation of God's *Heaven on Earth*) separated the surface waters from those below in the great deep.

These biblically defined initial conditions led to the floodwaters eventually erupting from under the Earth's crust through a crack that encircled the globe all in a single "day" (Gen. 7:11), in fact, in only two hours (rsr.org/crack). Today's 40,000-mile-long mid-oceanic ridge wraps around the globe like a seam on a baseball and rose up when formed by the well-known geologic phenomenon called isostatic rebound, following the channel (the crack) that was eroded away by the great force of the fountains. From these starting conditions, the hydroplate theory follows the natural piezoelectric and adiabatic Z-pinch effects of fusion and fission, with its vastly accelerated radioactive decay including by the associated well-studied phenomena of shock collapse and bremsstrahlung radiation (rsr.org/radioactivity).

Proponents of the non-fountains (non-HPT) flood models calculate the heat of accelerated radioactive decay as sufficient to melt Earth's crust. The majority of RATE (Radioisotopes and the Age of the Earth) scientists support an alternative flood model known as catastrophic plate tectonics (rsr.org/CPT). The CPT model does not permit the existence of a subterranean water chamber source for the floodwaters. Therefore its leading proponents and supporting organizations including Answers in Genesis and Creation Ministries

International deny that the flood's fountains of the great deep were fountains *of water*. These scientists and organizations, loved and respected by those of us at Real Science Radio, nonetheless claim against all biblical precedent that these were not fountains of water but fountains of magma. (See rsr.org/magma.)

Too Much Cold, Too Much Decay: Consider the ad hoc claims by CPT and other non-HPT flood proponents that God supernaturally accelerated radioactive decay and supernaturally removed the heat. These are ad hoc because they are secondary assumptions not implied by Scripture nor implied even by these flood models themselves. The appearance in the crust of radioactive elements, by reducing post-flood lifespans, fits perfectly with the purpose of God's judgment and even with His mercy. But lowering life expectancy, even via radioactivity, did not require filling the crust with billions of years worth of decay products, that is, of the elements that result from radioactive decay. The prophecy was judgment by "floodwaters" (Gen. 6:17), not by an ice age, not by meteoritic bombardment, and not by nuclear reactions. So the natural and simplest biblical (and scientific) understanding of the judgment of man and his ecosystem involves the consequences that unfold naturally from the erupting of the flood's fountains of the great deep.



For example if God were to intervene to remove heat, He wouldn't remove *too much* heat. Yet after the flood, the Earth headed into a lengthy ice age. If just previously God had supernaturally removed billions of years worth of heat, then the global cold would be in part attributable to a somewhat too ambitious miracle. Instead, the chill was among a thousand negative but natural consequences of the erupting fountains. The ad hoc claim that God supernaturally removed the heat of accelerated radioactive decay follows on the ad hoc

claim that He supernaturally brought about all that decay.



A thousand trees visible at rsr.org/heat-5 give the size.

Flood geologist (and RMCF member) Philip Budd insightfully refers to such appeals to intervention as "miracles of convenience." Instead, the HPT directly tracks the flood's mechanisms from cause to effect. Natural phenomena consumed the "excess" heat released while fusing elements, including radioactive ones, and that heat produced while fissioning decay products. With the laws of physics we even explain the tectonic heat generated from the thickening of the continents themselves.

Much of the nuclear activity and all of that "thickening" occurred in something Dr. Brown calls the *compression event*. This rapid event crushed much rock. It folded, without breaking, countless more layers. (At that early time much of the wet sedimentary rock was not yet lithified and still soft.) The world's mountain ranges were raised up in a single day. And by this very displacement of the atmosphere, massive as it was, God caused "a wind to pass over the earth, and the waters subsided" (Gen. 8:1). Photos abound of folded and accordion-compressed strata from around the world. Yet RSR hired a helicopter pilot to fly a Canadian photographer to get photos (including the one above) of Sullivan Fault in British Columbia because that geologic feature is a great example of strength of the compression event.

At the end of the flood year, as they were compressed and thickened, the elevation of the continents greatly increased. Then gradually, over decades and centuries, those continents sank back down into the mantle. This continental settling and enormous lowering of their average altitude was a major factor in the ice melting and the submerging of the early coastal settlements around the world. It's not special intervention. It's the extreme tectonic forces available only from the HPT's collapsing subterranean water chamber, and related events, that produced too much cold and (otherwise) too much decay.

All young-earth creationists can answer the atheist question, "Doesn't radiometric dating with its billion-year decay products prove an old Earth?" No. But students of Walt Brown's fountains model of the flood can also explain that answer by the laws of physics. Those decay products formed rapidly as a result of nuclear reactions from the flood's subterranean piezoelectric lighting by Z-pinch and other well-known mechanisms as described in the peer-reviewed literature and explained by Dr. Brown in his hydroplate theory chapter on *The Origin of Earth's Radioactivity*, available in PDF at rsr.org/radioactivity.

And now that creationists can show how it is that radioactivity is not evidence for an old earth, we likewise can answer, no; radioactive decay could not have heated the Earth for vast ages.

A single knockout question remains, about that supposedly "oldest" known Earth rock, radioactively "dated" at four billion years old. NASA said it was found on the Moon. So, how can that possibly be?

