

# **This is Science and technology as the story of Darwinism VS Punctuated Equilibrium, when put into an evolutionary context.**

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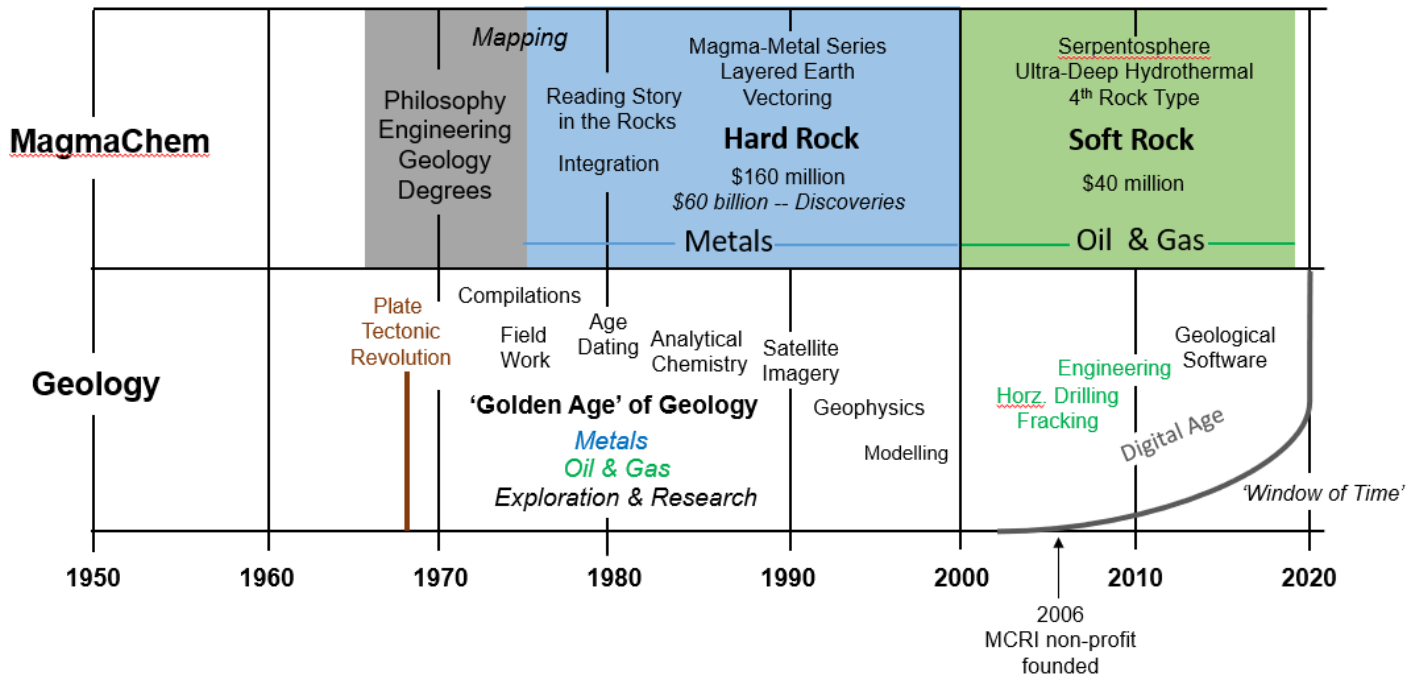
Science and technology are what drives the value of business, that's why it's important to all of us. Perfect example is the energy industry. Hydrocarbon exploration and production through time. That business in itself had the most impact and responsibility for the industrial revolution! Throughout its time, science and technology work like a ping pong game; science advances, technology responds, and vice versa. The thing is, we have to mess with the dimensions of time to really understand the relationships and therefore the predictability of all this. This is also the most important tool in all geologic concepts, time.

Darwinism is simply gradual changes over time and punctuated equilibrium, Stephen Jay Gould and the *Gastropods*, is exactly what it says, time has punctuated events in the geologic rock record. They are both right and they both are happening right now, it's an awesome ping-pong game of time. You haven't heard that the study of snails has led to one of the most interesting concepts of time? The kind of stuff that can keep you up at night right here!

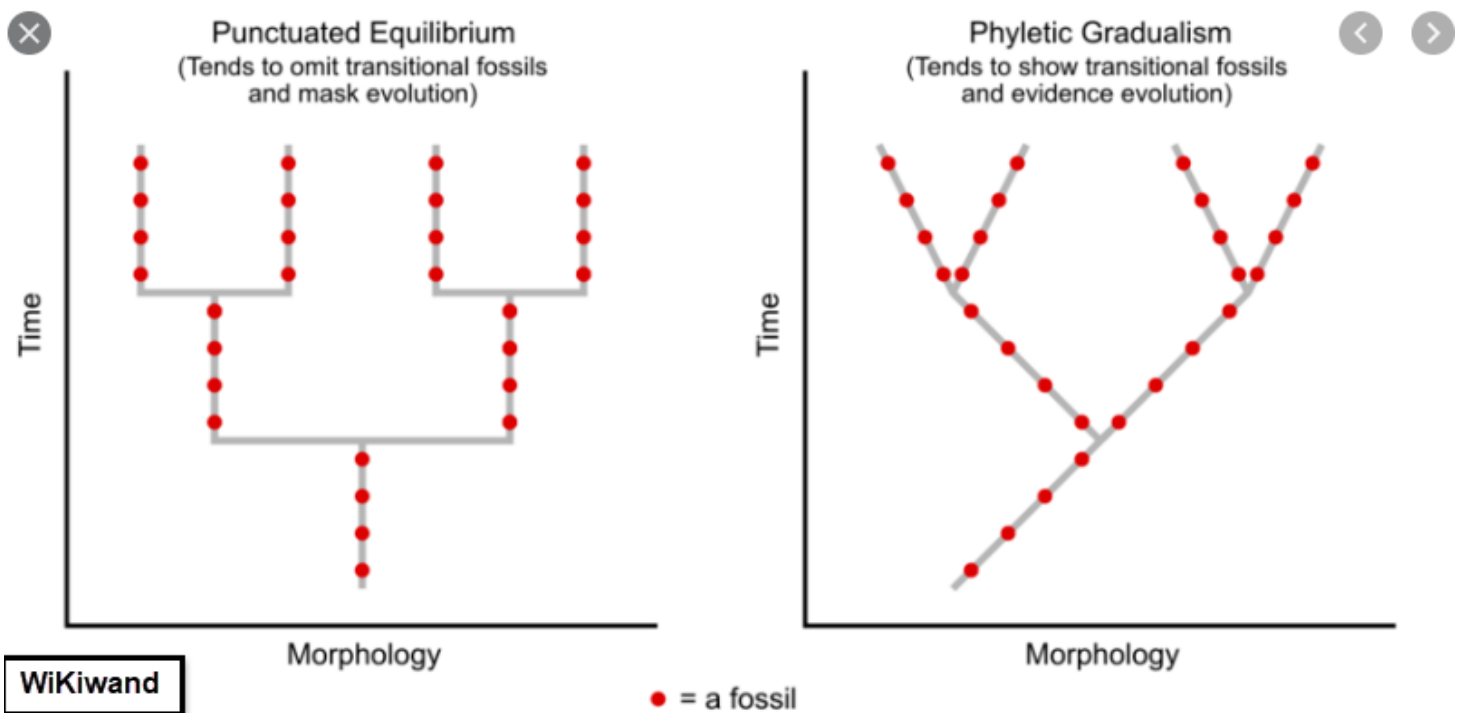
Back to the ping pong game. When the technology paddle hits the ball, it moves normal, but when the science paddle hits the ball... It moves waaaaay slower! I'd play this person ping-pong all day and enjoy every minute of it haha I digress! The point is, science has been progressing a lot since the 70's essentially, since the space race. So what paddle is about to hit the ball in your future model? We are going to see a rapid response from the technology paddle and we all need to be ready for it.

I convinced myself of this epiphany by relating it to Darwinism and punctuated equilibrium. Evolution and the concept of time and how we can understand the speed of time in this context. Through geologic time is slow changes for millions and billions of years, punctuated with events. Bang, the planet is formed, bang, the planetesimal we call the moon hits us and spins into our orbit, then plate tectonics, then about 3 more major 1<sup>st</sup> order geologic events punctuated in the time scale. Within that there are probably 100 more events at smaller scales. The birth of life, the magnesium and carbon plumes right before we see gigantic life (dinosaurs) and then the time of a "stable" carbon cycle where we reside and get to talk to each other right now. Major events punctuated in geologic time. COVID-19 could be a small-scale punctuated equilibrium event in our history.

Science and the industries of energy and resources is about to be the most stable business of our time. Let's enjoy the fast event of watching the right technology applied to the right problems and more importantly, enjoy our time again, take it slow, hugs and smiles...



MagmaChem image\*



[https://en.wikipedia.org/wiki/Stephen\\_Jay\\_Gould](https://en.wikipedia.org/wiki/Stephen_Jay_Gould)