Re: Lunar Space Elevator simply isn't for everyone

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- *From*: "Ross A. Finlayson" <raf@xxxxxxxxxxxxxx>

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Brad Guth wrote:

> Ross A. Finlayson;
> As to an LL−1 based sizable asteroid tethered to the Moon, I would rather not have large asteroids in Earth's strong gravity in the near future. Instead, the Moon itself should be used, in terms of an extraterrestrial industrial center.

What are you? (another certified village idiot like myself?)
With that sort of LL−1 naysayism and obviously without so much as a freaking clue as to what the LSE−CM/ISS is all about, can you possibly get yourself any more negative, so that we can make good usage out of the intellectual naysay implosion of such negative energy before your turn yourself and your antimatter worth of naysay−intelligence into a black hole.

Though using the moon itself makes perfect sense. However, how exactly do you plan upon safely and efficiently getting whatever's of robotics and crew to/from that dark and reactively nasty surface, or rather for getting such deeply underground unless it's initially placed upon a nearly coal like basalt terrain that's of carbon/soot, iron and titanium coated plus salty surface that's merely illuminated via earthshine.

Gosh folks, come to think of it, I've never once considered a tethered asteroid, nor would I. As how absolutely dumb and dumber of an idea is that, or what?

> I promote instead an Earth to Space Mass Driver.

Once your stuff of a few kg per package gets into LEO, then what?
Are you talking about sending ISS those little pods containing their happy−meals and extra toilet paper via Mass Driver?

> The notion of Earth's magnetic field dissipating is rather frightening.

Get yourself used to it because, we've already been paying the price by

> way of taking on greater and greater hard−X−rays and other nasty forms of dosage as is, and therefore we should get with the program of making our next generations of DNA into a more rad−hard DNA, as in intelligently redesigned so as to tolerate a 100 fold increase in the influx of such radiation, plus at least another 10 fold increase in the local/artificially created forms of radiation that so happens to include a great deal of discarded Radium that'll quite nicely sustain a 1600 year half−life of providing us with the nifty likes of Radon, that which rather quickly becomes good old lead, of which knowingly contaminates everything in sight. So, we'd best improve our DNA to also tolerated more lead in our diets and our surrounding environment because, like CO2 without a sufficient population of diatoms, the likes of extra lead and CO2 are soon going to be within and around just about everywhere.
>
> Christ almighty on yet another stick, we have collage graduates with their doctorate degrees of dumbology that can't even safely deal with fire, with over a million homes or apartments damaged and/or destroyed because of their having candles in use that are obviously a whole lot smarter than the supposedly educated humans that were supposedly encharge. What the freaking dumbology are we even doing with using candles anyway? Is this still the 18th century? Or are we supposed to be living in caves?
>
> You do realize that a millionth of the surface area of mother Earth (5.112e8 m2) is entirely within the grasp of existing technology, as to deliver on behalf of end−users with safe, clean and renewable 2 kw per soul. Or, is that still asking too much?
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> Brad Guth

What's the deal with the Earth's magnetic field shifting around in such a dramatic manner? That doesn't happen every five−six hundred years or Earth life would already have rad−tolerant DNA/RNA/ life mechanisms, or would have been quie ruined every several hundred years. The system appears to be remarkably robust and consistent, and dynamic.

The Earth's average inclination to its orbital plane is said to be... 23.5 degrees. That's not a constant, I think the Earth in its movement around the Sun is perhaps a bit more dynamic than people generally realize with the model of the solar system with the wires and styrofoam and so on and so forth.

Then there's the Moon, with it's distance to the Earth varying by several hundred thousand kilometers over the course of some years, and that's somewhat eccentric in its ellipticity when its distance from center to center is only about twice that.

Then, a somewhat large asteroid is possibly within Earth's path in perhaps 2038 or so.

Human−caused industrial age climate change is real and obvious.

"Chicken Little" is a fictional barnyard animal in a story where Chicken Little receives perhaps a drop of rain on his head. He proceeds to proclaim "the sky is falling" and thus ensues riotous uproar on the farm. I forget how it ends.

Change begins at home. The sky will _always_ be falling. While the moral there is basically to proceed as if unknowns will not happen, yet to be prepared, there are many things about the environment that are quite well known in terms of the scientific method and true, undeniable facts and so on.

The sky _is_ falling. Humanity and life as we know it is basically _doomed_ unless the species achieves in a very short window of opportunity getting off the planet.

Nah, that's again just kind of fire−in−the−theater−shouting, but is not far from the mark, that's basically a true statement.

I'm a space enthusiast. To get to space en masse we, Earthlings, Terrans, Homo sapiens sapiens, need (safe) cheap (reliable) access to space.

The Earth to Space Mass Driver in 100 tonne pods. Cheep.

About energy, uh, there is a lot of recycling to be done. There was an electric automobile before an internal combustion, although there was probably a steam powered one before that. In one of Piers Anthony's stories he has a car race with basically no rules and the winner is a nuclear powered automobile, that hits Mach 1 on the ground.

I don't think, I'm an idiot. Just like lots of people here I've been standardly tested and found in the percent on the good side. I just say that. On the idiot scale, even Feldmann's an idiot. That seems rather small−minded in terms of these broader concerns.

About energy, they call cold fusion these days "chemically assisted" or "low energy" nuclear reactions. Sustainable sun−style fusion probably takes place on mass scales of say, the Sun, not on Earth, with the iron (Fe) being the nuclear equilibrium element, but ITER is probably going to release a lot of energy, just not sustainably in terms of reactor uptimes of the lifespan of the Sun, and yes the Sun is a great source of energy.

The universe is infinite, infinite sets are equivalent. Points are polydimensional, in real analysis, about the real numbers of the number system. If you're going to talk about infinity, it's probably good to start with potential vs. actual. C'est non sequitur.

Ross

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