

Sonova Quark

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Responding to Steve Swartz (TURBO #472)

The Missoula Floods - and Hydrinos

Do they have anything in common with each other?

Steve: I had planned to shelve further hydrino-related posts in the TURBO community for a while. But then... You get 5 pages! I understand that you've sensed a certain urgency in my writings on Brilliant Light Power (BLP) and hydrinos. You're right—the topic resonates deeply with me. And yes, I do feel a sense of urgency.

You asked: why am I so open to the **BLP** saga? My motivations should be obvious. We live on a planet with over nine billion people, all trying to survive amid nonstop real estate disputes, food shortages, pollution, global warming (not the neutered term “climate change”), melting glaciers, rising sea levels, and predictions of massive ecosystem collapse. *Soylent Green* and *Waterworld*, here we come!

Despite all this, I remain confident that humanity will survive. But a century from now, Earth will be a very different planet—and many of our descendants will likely curse the ignorance and short-sightedness of our generation.

I hope we can soften some of that future resentment by taking a serious look at new eco-friendly energy resources—like those being pursued by **BLP** and other alternative energy startups. **BLP** isn't the only one in the race. The current debate around **BLP** centers on whether their claimed technology is valid or just elaborate delusion.

I've spent decades observing **BLP**—through their ups and downs—and I've come to believe their technology, while still in development, is not quackery. Based on everything I've seen, I think **BLP** deserves a fair shot at proving whether their rapidly maturing system works.

Unfortunately, for decades **BLP** has faced heavy push back—blockades that have hindered their progress. I've written at length about that resistance elsewhere, so I

won't repeat myself here. I want **BLP** to have a fair seat at the table as we explore what alternative energy systems this planet might actually adopt.

It was diplomatic of you to begin your sentence with the following five words, *which I have bolded...*

...so far as I know there's no experiment that can be replicated in a random lab that would confirm the existence of hydrinos... (the way that a walk - or, better, a flyover - of the eastern Washington scablands confirms the existence of flooding.)

...because I respectfully disagree. I suggest the following information gathered with CHAT-GTP's assistance.

- **In 2025 BLP now has the ability to supply samples of hydrinos for Independent Verification.** Solid hydrino compounds [often alkali-hydride or metal-hydrino mixtures] have been synthesized and sealed for third-party analysis.
- Samples can be analyzed with X-ray diffraction (XRD), energy-dispersive spectroscopy (EDS), Raman, NMR, and thermal-analysis tools.
- Independent labs reportedly confirmed non-stoichiometric hydrogen content and unidentified crystalline phases.
- BLP highlights publications such as “Identification of Hydrino States of Hydrogen by XRD and Raman Spectroscopy” and invites additional institutional replications.

Hydrinos, or whatever people finally end up calling the phenomenon, exists. It can be scientifically verified.

I've included two screenshots (pages 2 - 3) that ChatGPT helped me organize. They provide more detail about the claims supporting the existence of the phenomenon. Pages 4 and 5 contain additional information I assembled myself.

The screenshots shown below and to the right are packed with techno-geek terminology. I don't expect most TURBO members (myself included!) to fully understand the mechanisms or processes described by the

scientists, technicians, or organizations involved in reaching their conclusions.

But that's no reason to dismiss the evidence—or to assume it's just quackery dressed up in authoritative-sounding mumbo-jumbo.

NOTE: The term "H₂(1/4)" refers to a specific energetic form of a Hydrino molecule.

Copied from CHAT-GTP

Named groups/people and the tests they report

1. TU Delft (Delft University of Technology) – Prof. W. R. (Fred) Hagen
 - Test/claim: Independent electron paramagnetic resonance (EPR) study reporting a distinct multi-line spectrum he attributes to molecular hydrino H₂(1/4) trapped in solid Ga(O)OH.
 - Where published: *International Journal of Hydrogen Energy* (2022) and archived in TU Delft's research portal (author email shown as @tudelft.nl).
2. Rowan University (multiple faculty/teams; New Jersey, USA)
 - Test/claim: Off-site replications of BLP solid-fuel experiments reporting excess heat well above known chemical limits; additional reports on "hydrino product identification."
 - Where noted: BLP news release summarizing Rowan validations (Nov 29, 2010); contemporary write-ups list team members (e.g., Ramanujachary, Mugweru, Jansson, Marchese, Schmalzel) and describe a reported gain up to ~6.5× in certain tests.
3. GEN3 Partners (industrial R&D consultancy)
 - Test/claim: Validation focused on light emission claimed to be characteristic of hydrino reactions.
 - Where noted: Same BLP news release that groups GEN3's light-emission validation with Rowan's power/product results.
4. Dr. Mark Nansteel (Ph.D., UC Berkeley; heat-transfer expert, independent consultant)
 - Test/claim: Several validation reports on SunCell® calorimetry (steam/water-bath) with reported outputs from ~100 kW up to ~275 kW and ~4.2× gain in certain runs. (Nansteel is not an "institution," but he's repeatedly cited by BLP as an independent validator.)
 - Where posted: BLP "Validation Reports" pages and specific news posts.
5. Historical: NASA Lewis Research Center (now Glenn Research Center)
 - Test/claim: A NASA team in the 1990s reported excess heat in experiments inspired by Mills' approach (did not endorse "hydrino" as such, and characterized results as "far short of compelling").
 - Where discussed: *Scientific American* overview referencing NASA's report and stance.

Copied from CHAT-GTP

Evidence Supporting the Hydrino Hypothesis (as Presented in *The End of Fire*)

1. Spectroscopic Signatures

Holverstott explains that Mills's theory predicts specific extreme-ultraviolet (EUV) and deep-ultraviolet emission lines arising when ordinary hydrogen transitions to a fractional-radius state (n = 1/2, 1/3, 1/4 ... of the Bohr orbit).

These predicted lines have been repeatedly reported in BLP's laboratory plasmas and allegedly correspond to previously unassigned spectral lines observed in astrophysical data (e.g., diffuse interstellar bands and "solar sparkles").

→ Evidence type: Unique emission spectra not attributable to known chemical or plasma processes

BOOK_THE-END-OF-FIRE

2. Excess Heat ("Anomalous Power")

The book describes calorimetric tests in which Mills's experimental cells (originally water-electrolysis and later plasma-based) produced thermal outputs hundreds of times greater than any known chemical source. These measurements were run as alternating control vs. active trials, showing persistent power surpluses attributed to the hydrino-forming reaction — an exothermic energy release without detectable radiation

BOOK_THE-END-OF-FIRE

3. Unique Chemical Products

Hydrino formation allegedly yields new diatomic hydrogen species (H₂(1/p)) that are:

- Smaller than ordinary H₂ or helium,
- Chemically inert yet capable of forming solid hydrino compounds with alkali halides and transition metals.

Holverstott recounts experiments where salts exposed to the reaction changed color (blue, green, violet) and, upon analysis, showed unknown NMR and X-ray diffraction patterns distinct from known hydrides

BOOK_THE-END-OF-FIRE

4. NMR and Other Analytical Tests

The BLP team used nuclear magnetic resonance (NMR) instruments at Princeton University to identify anomalous hydrogen-bond environments inconsistent with any catalogued compounds.

Other methods mentioned:

- EUV spectroscopy for plasma light output,
- Calorimetry for power balance,
- X-ray photoelectron spectroscopy (XPS) and Raman for solid samples.

Together, these showed repeatable anomalies unexplained by conventional chemistry

BOOK_THE-END-OF-FIRE

5. Astrophysical Correlations

Holverstott devotes later chapters to linking hydrino behavior with cosmic observations:

- Hydrino matter as a plausible dark-matter candidate (dark because it emits little or no visible light),
- Possible role in the solar corona heating problem and solar neutrino deficit, suggesting that astrophysical hydrogen might already exist in fractional states

BOOK_THE-END-OF-FIRE

Giant ripples created by the drainage of Glacial Lake Missoula



Montana Geology · Join

Rob Thomas · Admin · Group expert · March 16, 2022 · 🌐

If you are interested in viewing the giant ripples created by the drainage of Glacial Lake Missoula, visit Camas Prairie Near Hot Springs, Montana. The view south of Markle Pass on MT 382 is nothing short of amazing. The entire valley downslope is covered with gigantic asymmetric ripples formed when Glacial Lake Missoula water drained through a deep funnel-shaped depression in the bedrock at Markle Pass and a pass at Wills Creek. There is a little pond that dries up most summers in the spillway. The draining of the lake happened many times during Pinedale glaciation (~30,000 to 12,000 years ago), but what you see are likely the youngest ripples, since the older ones would have been eroded away. The ripples have their origin in Glacial Lake Missoula, an ice-impounded lake in western Montana with a water volume of about 2,100 cubic kilometers. The lake was impounded by the Purcell Trench Lobe of the Cordilleran Ice Sheet that descended from Canada into northern Idaho, blocking the Clarks Fork of the Columbia River. Some of the ripples are thousands of feet long and up to 45 feet high, attesting to the large water volume that passed through the narrow passes and across the prairie during drainage of the lake. You can figure out the flow direction of the flood water by looking at the geometry of the ripples. They are mostly asymmetrical, because they formed as rocks rolled and hopped in the direction of the current. The shallow or stoss side of the ripple faces upstream, whereas the steep or lee side of the ripple faces downstream. Look and see if you can figure out the flow direction.

Joseph Pardee of the US Geological Survey first recognized and interpreted them as current ripples in 1942. That led to a complete understanding of the flood-scoured Channeled Scablands in Washington that J Harlen Bretz had studied decades before. MT 382 passes through a series of roadcuts through the ripples. Although they become lower and harder to see as one heads southward, the ripples remain clearly visible almost to the lower end of Camas Prairie. They appear most vividly when the sun is at a low angle, or in the spring when the grass is just beginning to grow. Like all the large valleys in the Northern Rockies, Camas Prairie acquired a deep accumulation of basin-fill sediments during the dry climate of middle Eocene through early Miocene time, and again in Pliocene time. But Camas Prairie is unique in not having contained a stream during the last several million years. It is a perfectly preserved fossil, a desert valley that still looks almost exactly as it must have looked at the end of Pliocene time, some 2 to 3 million years ago, except, of course, for the giant ripple marks.



Steve ...continued You mentioned the impact of the Lake Missoula floods on the geology of the Pacific Northwest (see Page 4). I remember watching a NOVA episode on the event—it was a fascinating geological story. Evidence of massive flooding across Washington and Oregon is there for anyone to see, even though it took geologists nearly 80 years to accept it.

You listed several reasons for that initial resistance, such as a general aversion to catastrophism. At the time, most geologists believed that major geological changes could only occur over vast timescales—not anything measurable within a human lifetime. It also didn't help that the sites were difficult to access, making it harder to personally verify the evidence supporting the Lake Missoula flooding hypothesis.

Meanwhile, the bottom half of Page 5 shows a diagram of a gas chromatographic identification of molecular hydrinos.

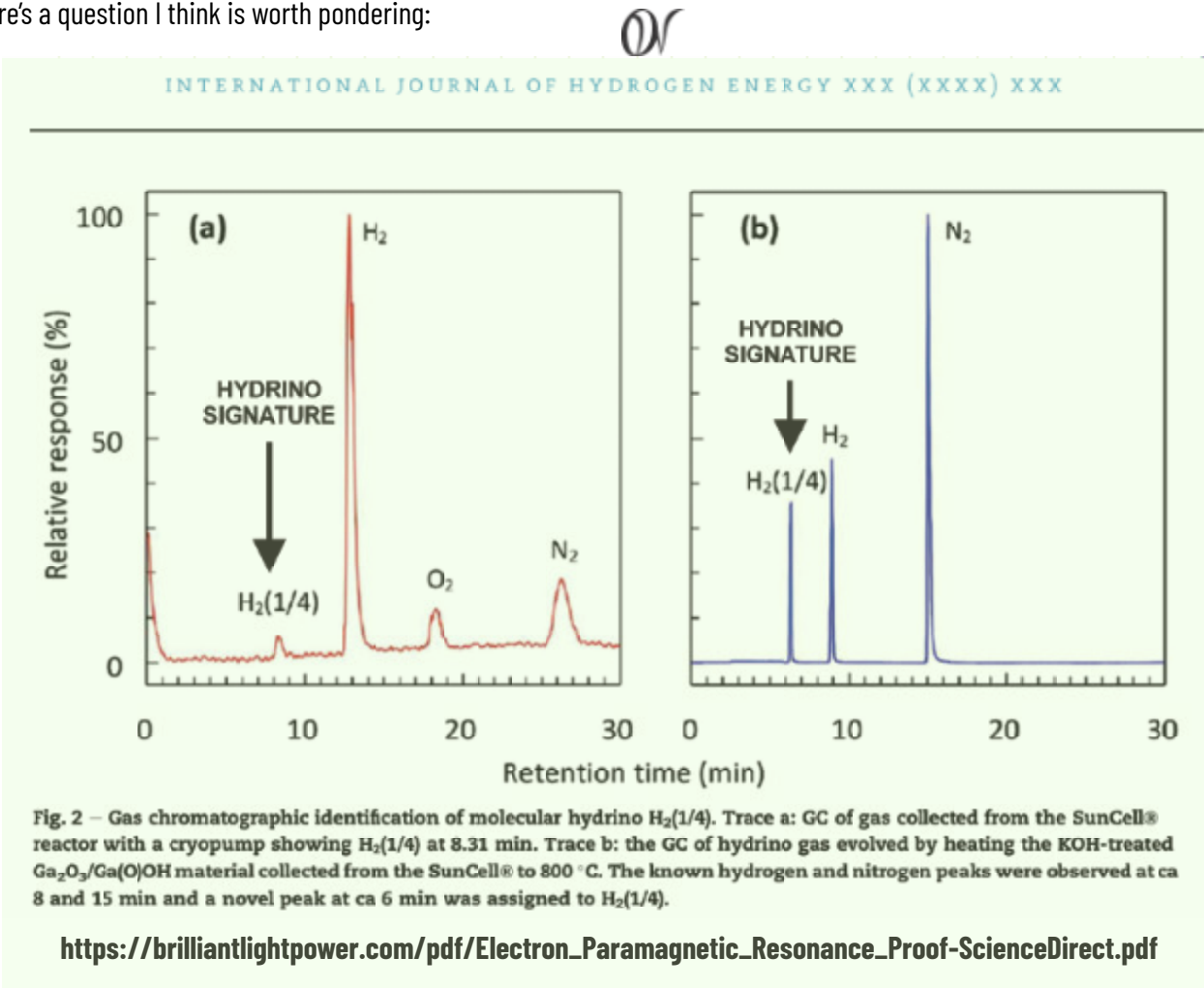
So here's a question I think is worth pondering:

Why isn't the gas chromatographic procedure considered just as valid—at least as a form of physical evidence—as the giant ripple marks left by the Missoula megaflood?

Personally, I've reached the conclusion that the evidence gathered so far is strong enough to support the possibility that hydrinos exist. That said, I know others will continue to disagree—perhaps because hydrinos can't be seen in the way those massive ripple marks can be physically walked upon, like the ones near Camas Prairie, outside Hot Springs, Montana.

As the old saying goes: *Your mileage may vary.*

PS: I miss our State Street luncheon adventures and the many conversations we shared when you still worked at Comp Sci and I at DoIT.



Commenting to Jeanne Gomoll (TURBO #472)

YCT Georgie

Quinn comes out as a Michael Channel, posthumously

Quinn’s posthumous outing is no surprise to those who may have studied Michael metaphysics. If one seriously immerses themselves in the subject. If one finds personal value, a resonance with the teaching... If one has been pondering the ramifications for decades of one’s life, it’s going to rub off on you in unexpected ways.

Many prefer to believe that crafting memorable stories and tall tales come from an innate creativity, a talent to weave engaging stories based on one’s perceptiveness about other people. Others conjecture we have the ability to communicate with the spirit world. I doubt this debate will be settled anytime soon, largely due to our contemporary western civilization’s inability to get a decent handle on who and what WE are. We have been stuck on the perception that there’s a ME, and then, there’s all of the rest of YOUs out there who we begin to realize they think they are MEs too. We are born with no idea how we got here. And then we realize we’re going to die.. We’ll cease to exist along with all our accumulated memories... to crumble away into a dissipating cloud of nothingness. Religion attempts to rescue us. But many have their doubts.

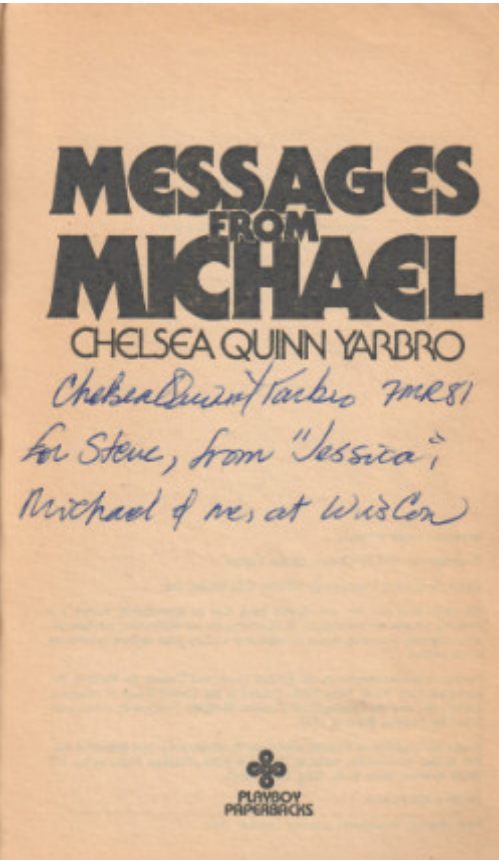
Perhaps planet Earth is one of the places to play around with perceptions of separateness. Separateness gifts us with many profound ramifications. I’ve read and heard from other channels that our perception of separateness doesn’t tend to be experienced as intensely on many other worlds, civilizations, and alternate realities. Love, or hate it, we don’t realize it takes real courage to slow down to a state of perception where separateness becomes one of the most fundamental absolute realities that we must grapple with throughout our short lives. Apparently, it’s one of the reasons we are being observed.

We think we invented stories packed with intense perceptions of suspense, love, hate, conflict, and harmony. Maybe the Universe figured that game out, way before Earthlings believed they did. Perhaps we belong to the Universe because we are parts of the Universe, expressing ourselves in all of it’s parallel realities. If so... no spoilers please!



Roy Batty couldn’t have sed it better:

*“I’ve seen things you wouldn’t believe.
Attack ships on fire off the shoulder of Orion.
I’ve watched C-beams glitter in the dark,
near the Tannhauser gate.
All those moments will be lost in time, like tears in rain”*



The Write Hemisphere

Parallel shifts happen all the time. Most of you don’t notice when you’ve split off, or merged back with another parallel reality. That said, It is possible to sense another version of reality hovering nearby. This “feedback” often appears as unexpectedly imagining something, or as experiences of déjà vu. These experiences tend to be fleeting impressions of what might be happening nearby. The unexpected experience may intrigue you for a few seconds while both parallels remain, closely mirroring each other’s actions—before inevitably veering off in independent directions.

Experiencing parallel shifts manifests both in small and in large scales. Individuals can parallel shift alone, or within groups. Sometimes, an entire planetary population may choose—collectively—to split off into, or merge back into a shared reality. Parallel mergers can get tricky as memories from two different parallels get shifted around until a dominant one takes hold. “Honey! I thought I was brushing my teeth with a red toothbrush!” ... “No, Dear. You been brushing your teeth with a blue toothbrush for months.” Guess who runs that household.

We will tell you of one particular global split that occurred on Earth during the 19th century. It occurred when many individuals chose to follow a different path. The shift gave rise to an alternate technological trajectory—one that developed dramatically in different ways from the reality you now experience.

If you enjoy Steampunk and attend Steampunk conventions in full attire, you may be experiencing at least one of your parallel “self’s” living in that alternate reality. It is not unusual to exchange feedback from each other. Your thoughts and perceptions may be influencing their perceptions as well, as brief flashes of odd imagination, or as another déjà vu experience. On a higher level of reality, you compare notes with your other selves. You have many—many—parallel lives occurring simultaneously. It’s quite the party of exchanges when you all “so to speak” merge back into oneness before, should you choose to, split off once again for another adventure.

In your parallel, the Steampunk world has been romanticized as a place where steam technology evolved to an unmatched level of sophistication. Many of you may long for that world—or imagine yourselves living in it... which, may be true... literally. Steampunk conventions offer a glimpse, a momentary embodiment of another parallel environment you sense you have ties with.

In that parallel, Nikola Tesla was recognized and revered more than in your reality. With greater financial support and fewer obstacles hindering his unprecedented imagination, he acquired a greater knowledge base of James Clerk Maxwell’s findings. This led Tesla to explore and develop a unique technology that your current parallel is only now beginning to conjecture as sufficiently worthy of exploring from your unique point of view.

We’ll give you a hint about one of those technologies Tesla brought to fruition. It relates to a signature item in Steampunk fashion: goggles. In that parallel, goggles weren’t worn just for protection from soot, steam leaks, or boiler flashes. They served as protection while in the process of observing another, far more advanced, technology.

See the next page for another hint.

Speculated bleed-through effect of alternate parallel realities exchanging information between each other

What's happening in another Alternate parallel reality, as sensed and reinterpreted from within our own reality.

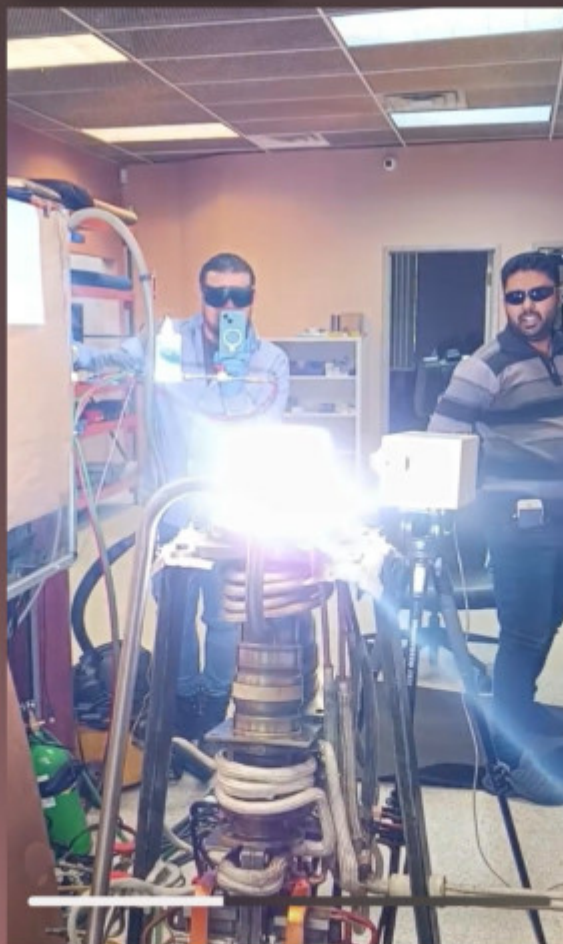
Steampunk culture is often set in an alternative history of the Victorian era or the American frontier, where steam power remains in main-stream use, or in a fantasy world that similarly employs steam power.

Popular Steampunk attire often includes protective goggles.

Question: Goggle attire protecting Victorian eyes from the intense generated energy of what? Protection from soot, steam leaks, or boiler flashes? What within our personal interpretations of Victorian based technology would be capable of creating heat and light so bright and hot that goggles have become ubiquitous fashion statements for attire?



Steampunk Attire



What's happening in Our Reality, unconsciously sensed as existing in another parallel reality:

Technician / Engineer at Brilliant Light Power measuring the amount of light being generated by the Hydrino SunCell Catalyzation Process.

Hydrino catalyzation is a controversial new way of generating inexpensive eco-friendly energy that is not yet accepted as legitimate science and technology within our own parallel reality. But that may change soon.



Dr. Randal Mills observing effect.

<https://brilliantlightpower.com/successfully-tested-an-alternative-injector-improvement/>