POST

See quantum?

February 6, 2021

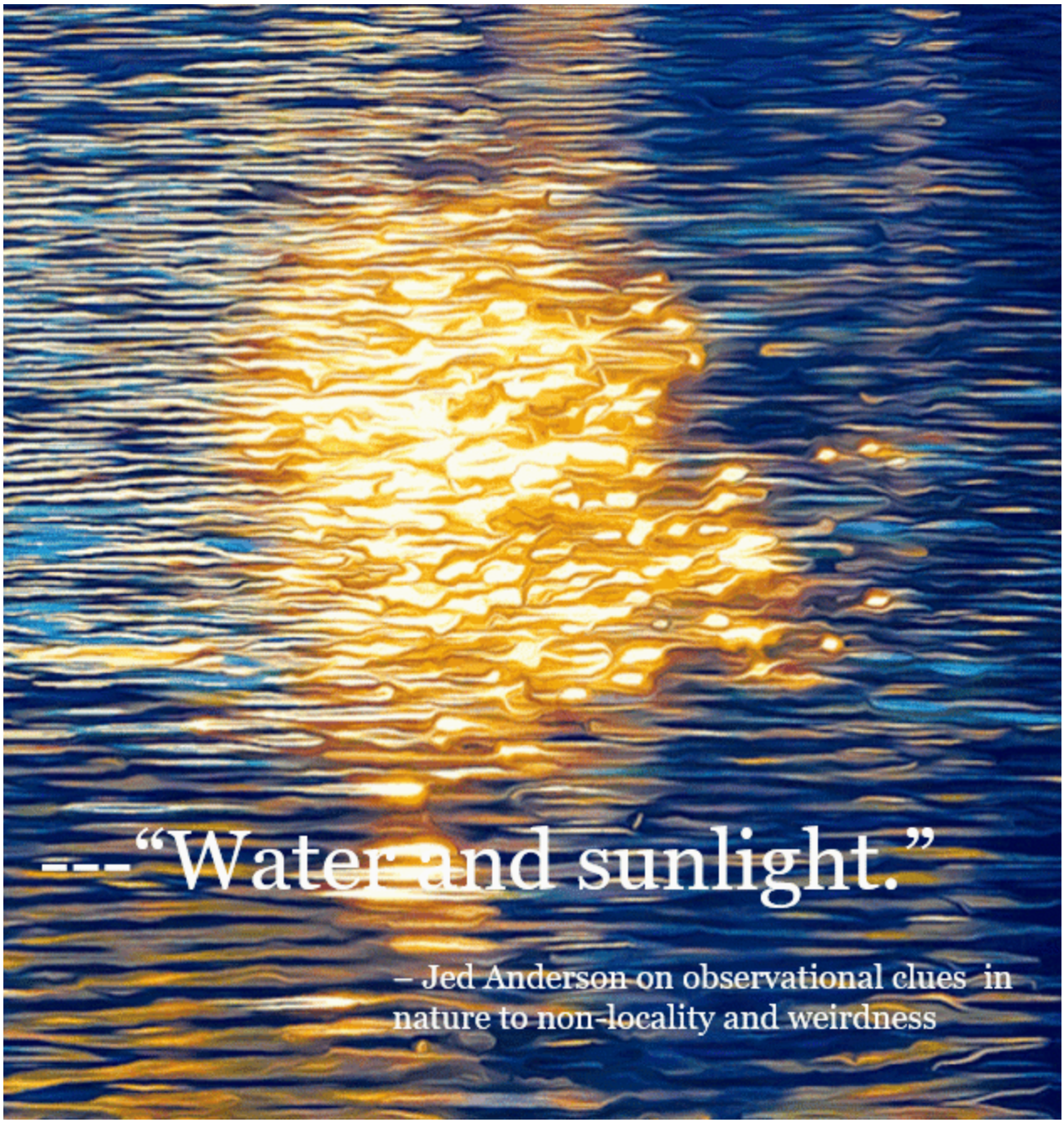
Here’s how to “see” it in nature …

Quantum Technology in Environmental Protection

Can we “see” some of these weird, powerful quantum effects ourselves?

Yes.

Requires a small amount of eye-mind training.



How to see quantum effects?

1.I'd recommend starting with these two videos. You don't need to be a physics expert and read a hundred books. You just need to be curious.

- https://www.pbs.org/video/nova-the-fabric-of-the-cosmos-quantum-leap/ (https://www.pbs.org/video/nova-the-fabric-of-the-cosmos-quantum-leap/)

- https://www.pbs.org/wgbh/nova/video/einsteins-quantum-riddle/ (https://www.pbs.org/wgbh/nova/video/einsteins-quantum-riddle/)

2.Go to any moving body of water and watch the light on the waves for a few minutes.

… Pense's or "Jottings" below on quantum effects and protecting nature with technologies that are beginning to exploit the strange and immense powers of non-locality …

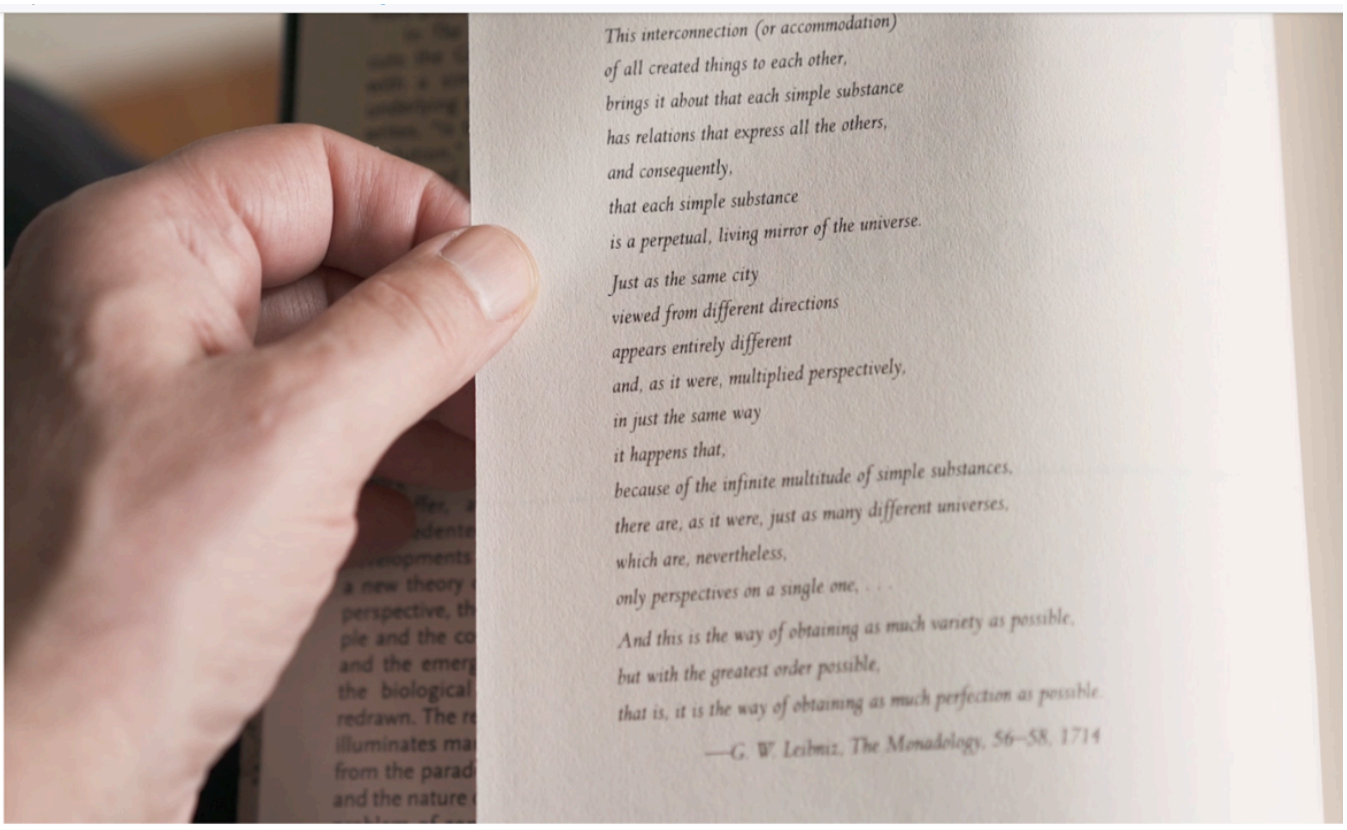
---"It's more fundamental to think of everything around us first as a probability wave and then second as matter or forces. Classical physics is essentially what quantum physics looks like on the human scale."- Jed Anderson

---"Size and location of the system we are studying is not necessarily the primary characteristic we are studying anymore, but we are becoming more focused on finding insights into the underlying properties of non-locality … which affect everything." - Jed Anderson

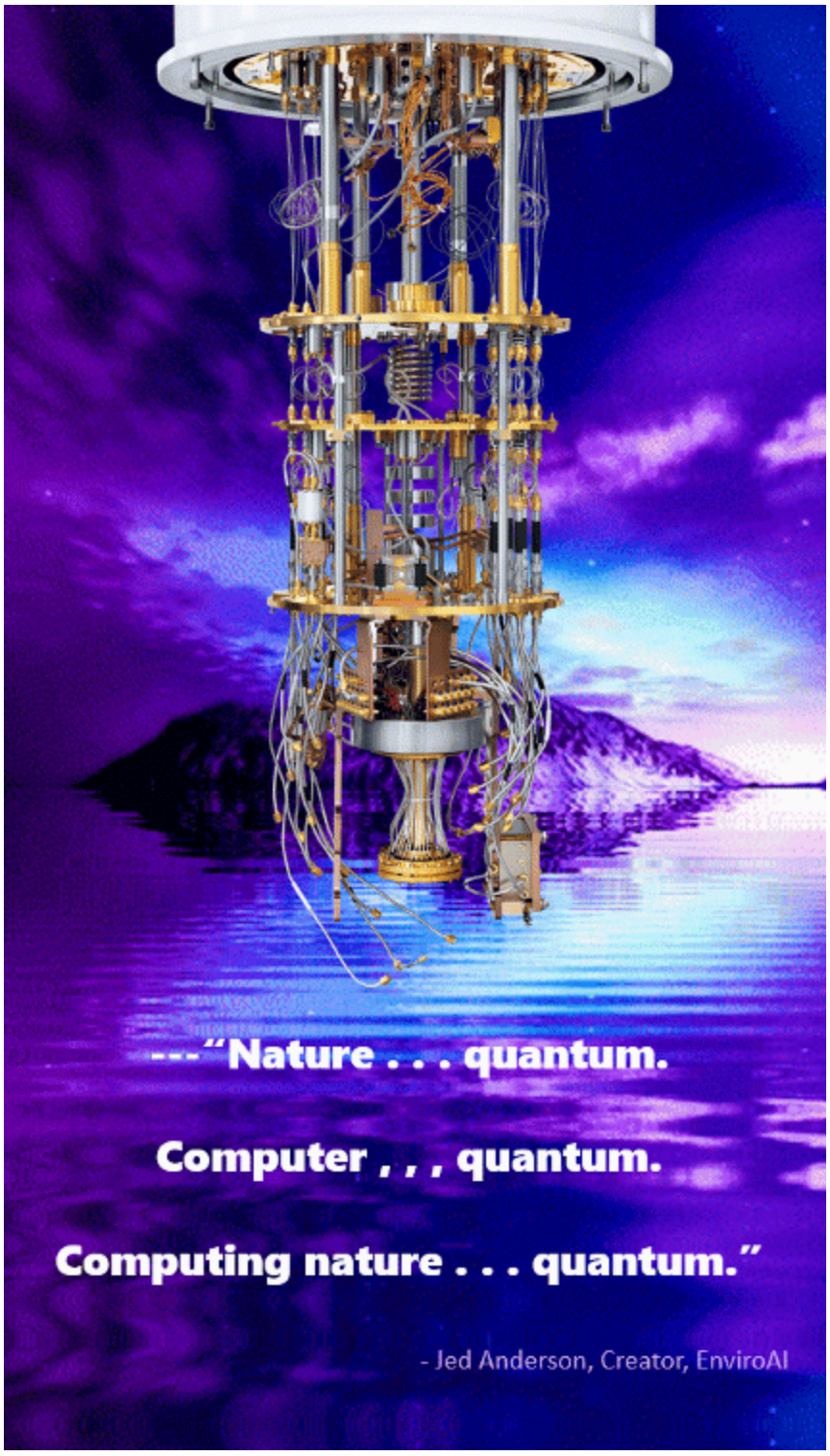
---“I’m not going to unpack Heisenberg’s uncertainy principle or Bell’s theorem or such. You’ll need to do that on your own. What I will tell you is that physics, technological innovation, and the basis of reality are converging.” - Jed Anderson

---“What we are learning more about is how to exploit non-locality to make things in our classical world.” - Jed Anderson

---“To affect reality we must better understand reality. For me trying to affect the protection of natural systems, I must better understand the underlying reality of nature to design an effective system that can simulate and protect nature [Richard Feynman, “Nature isn’t classical dammit. If you want to make a simulation of nature, you’d better make it quantum mechanical.”] - Jed Anderson



---“When I grew up, and I’ll call it the ‘locality era’ where we still were largely thinking in terms of things having a definite place and time and being 100% separated in space and time, we studied small things to learn about small things. And we studied big things to learn about big things. Now we study all things to learn about everything.” - Jed Anderson


---"Nature . . . quantum.
Computer , , , quantum.
Computing nature . . . quantum."
- Jed Anderson, Creator, EnviroAI

Original source: Constant Contact campaign

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Source on GitHub: /src/content/posts/see-quantum.md (https://github.com/jedanderson432/jedanderson-site/blob/main/src/content/posts/see-quantum.md)