

ANCESTRAL SCIENCE PODCAST

SEASON 2: Episode 2 (audio/video)

with **NATASHA DONAHUE**

“Everything is Aware: Quantum Consciousness & Spirit in Science”

We were grateful to NATASHA DONAHUE, a Métis physicist and Indigenous Science educator, about Science and Spirituality, the linear and restrictive history of science, the depth of scientific knowledges within astrology and alchemy, time as a byproduct of energy exchange, how "everything is aware," dwelling in the flux of the "greyspace," and the questions around and relationality of star beings and UFO's.

Remember, you can support the pod and rock some unique Indigenous Science merch at www.relationalsciencecircle.com/shop, all proceeds go towards Knowledge Keeper honoraria, following protocols, and keeping the pod going.

Natasha donated her honoraria back to the pod. Appreciate the support.

***episode correction: Natasha mistakenly said “the Earth is at the center of the solar system,” when she meant “the sun is the center of the solar system.”*

SHOWNOTES:

-Natasha Introduction:

- <https://www.athabascau.ca>
- <https://letstalkscience.ca>

-What is science to you?

- a controversial question!
- it is everything around you, how everything relates to you and everything else.
- connected with spirituality- but science often fights against spirituality
- it is about uncovering knowledge through relationality.

-Beginning the journey towards Indigenous Science:

- seeing patterns emerge when learning about “science” in school
 - little humility in knowledge of the universe, or “science” in general
 - heresy of sun at the centre of the universe
 - white males “leading science and cosmology knowledge” like Copernicus, Galileo, Kepler, Newton, Einstein...where were the women, where were the Indigenous peoples that have known these “laws” and “theories” for thousands of years?
 - “unshakable” binary models
- harm in “scientific societies” of the Enlightenment
 - “[Alchemy may not have been a pseudoscience](#)”
 - “[Alchemy, Science, and Innovations in the Decorative Arts](#)”

“Paganism, Magic, and the Control of Nature”

-Astrology- “oral statistics” (as described by Natasha), where humans noticed patterns of human behaviour in connection with the location of constellations in connection with the sun at the time of birth. This is an orientation to both Land and Science.

-Secular Science:

-reductionist

-measurability results in discrediting or eliminating stories, knowledges, and variables that cannot be measured, variables that are within the greyspace of the flux.

-Time & Entropy:

-time and quantum consciousness

-quantum is energy, which is spirit

-“everything is aware” – meaning, all is made of the same elementary particles, all in motion, which is in flux, creating frequencies which interacts with other frequencies, which creates an awareness of and relationship to all.

-time is a byproduct of energy exchange

-entropy (meaning “transformation from order to disorder”): like the decaying of an apple. But this is also energy exchange, transforming to eventually become homogenous.

-time is a byproduct of this flow of energy. As Natasha said, the more energy there is, the slower the time

-Quantum Emergence Theory:

“Emergence Theory Overview”

-all relativity is information

-what is gravity anyway?

-TWOSE (Edmonton Science Centre) & Douglas Cardinal

-architecture that is not about imposing on the Land.

-design of TWOSE inspired by star ship and connection with the star people. (many Indigenous communities believe we all come from the stars, since we all are made of stardust anyway!)

-lots of oral histories about the star people

-these stories of the connections between the building and the Star people have been kept quiet, until now!

-Objectivity & Science:

-this is the “gold standard”

-BUT it is absolutely impossible to achieve. If humans are doing science, researching science, interpreting the world around them, HOW is there any way to have completely objective science? There will always be a bias, but how do we embrace the strength of that bias?

- Natasha: if we have to follow the laws of physics of this universe, but we are subjective, shouldn't those laws also be?
- take for example the [DOUBLE SLIT](#) EXPERIMENT: where matter and energy can exhibit BOTH wave and particle characterizes, depending on the scenario.
- when a particle is observed, it behaves/manifests in different ways

-Dr. Melanie Goodchild & Knowledge Systems Change:

www.melaniegoodchild.com

-“[We Give These Gifts to the Future](#)”

-Season 1, Episode 6 of Ancestral Science Podcast, “[Yarning Systems Science](#)” with Dr. Melanie Goodchild

Additional Links:

- Dr. Gregory Cajete (books): “Native Science: Natural Laws of Interdependence,” “Look to the Mountain,” “Critical Neurophilosophy & Indigenous Wisdom,” “Spirit of the Game”
- Dr Gregory Cajete (Video): “[An Indigenous Ecology](#),” “[The Indigenous Mind Rising](#)” “[Sense of Place: Indigenous Perspectives on Earth and Sky- NASA](#)”
- [Acakosuk](#) (Wilfred Buck at Lakehead University)
- [Ojibwe Star Map](#)
- [Native Sky Watchers](#)
- Natasha Donahue & Careers in Science - [article](#)
- “[Science through an Indigenous Lens](#)” (video), with Natasha Donahue
- “[Curiosity and connection inspire love of Indigenous constellation stories](#)” (CBC article) with Natasha Donahue
- “[Indigenous Ways of Knowing the Stars](#),” (windspeaker interview) with Natasha Donahue

Natasha donated her honoraria back to the pod. Hand to Heart for your support Natasha.

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