10. Science Eye

Every human on our globe is made of an octillion vibrating quarks which are divebombed at two hundred million meters a second by nine quintillion neutrinos every day while constantly enveloped with multiple types of electromagnetic radiation.(1-3) Far less glamorous is the fact that each body comes from the same elements found in the soil, and will all turn back to dirt.

By its widest definition science is possession of knowledge as distinguished from ignorance or misunderstanding.(4) By that definition my entire book is dedicated to science. However, science in this chapter reflects common definitions: knowledge concerned with the physical world and its phenomena, branches of systematized knowledge made into specific objects of study, and generally accepted knowledge that has been accumulated and formulated with reference to the discovery of established truths or laws.

Science Deniers

Many people, including otherwise intelligent people in our twenty-first century subscribe to one or more anti-scientific ideas, ideas without any evidence whatsoever, or ideas with more evidence against them than for them. Now I don't concern myself with ideas such as Earth being flat, Earth being only six thousand years old, and others of no consequence to how anyone lives their life. Other subjects such as quantum physics are highly important for specialists, but unimportant for laymen. Unnecessary argumentation wastes time and breeds conflict for no reason. But science and fact denying that negatively impacts others must be addressed.

Astronomy

"Of all sciences cultivated by mankind, astronomy is acknowledged as, and undoubtedly is, the most sublime, interesting, and useful. For by knowledge derived from this science, not only the bulk of Earth is discovered ……..; but our very faculties are enlarged with the grandeur of the ideas it conveys, our minds exalted above contracted prejudices"----------Astronomer James Ferguson, 1757.(5)

Biology/Ecology/Zoology

Most people talk and behave as if non-human animals are far different than Homo sapiens in many ways. Yet from a scientific standpoint, especially biology, only one factor makes humans superior. That is, intelligence, which allows us to become educated.

In some cultures it is an insult to be identified with certain animals, such as rats, pigs, or dogs. Yet trained rats are the best method available to clear minefields, saving tens of thousands of humans from being killed or maimed.6

Be cognitive that you too are an animal and dependent on the web of nature. Always do your best to think and act accordingly.

Panpsychism

Traditional cultures believed that astronomical bodies like our sun were alive, intelligent, and conscious, having emotions and free will. This was the default position throughout history, even among scientists. In the

Middle Ages people generally assumed that the universe was alive; the whole universe a living being. This is panpsychism, formerly called animism.

However, in the 17th century the mechanistic revolution arose, breaking with the previous world view. Afterward, all nature was seen as strictly mechanical, the universe a machine made of nonconscious matter. Nobody actually debated our sun's consciousness. It was suddenly assumed to be nonconscious by prevailing materialist philosophers. Consciousness became isolated into the only physical containers we know that contain it: brains. So we're left with this idea that consciousness only exists in these tiny little areas of the universe. Before the 17th century this cerebro-centric view of consciousness was apparently nonexistent.

Why reembrace panpsychism now? Due to a crisis within science: the existence of human consciousness. And nobody understands how brains generate consciousness. Moreover, panpsychism has now entered the realm of serious debate within the scientific community. Panpsychism postulates a mind in all self-organizing systems, which exist at every level of complexity. It does not apply to systems that are not self-organizing, such as chairs, tables, computers, motorized vehicles, et cetera. Some things do not organize themselves. They are organized by US.

Though consciousness need not be associated with brains, a needed criteria for consciousness is ability to make decisions among various possibilities. Our sun could certainly make decisions that have effects. Consider its solar flares and coronal mass ejections. The directions which it projects them greatly affect what happens in our solar system. Our sun influences what happens on Earth, modulating it in eleven year cycles and in more subtle ways. And eleven year cycles were periodically absent. So our sun is unlike clockwork mechanisms that just go on predictably; it is extremely variable. Nobody knows what it will do next, which is why NASA has space weather forecasts. Besides, our sun is essentially electrical; plenty of that electrical activity is highly indeterminate.

Our sun's mind could influence its physical activity via electrical activity. Consider that our minds interact with our brains via the interface of electromagnetic fields between them. Alpha waves, Gamma waves, Theta waves, et cetera are associated with different types of consciousness. Overwhelming evidence supports the electrophysiological basis of mental activity. The interface between minds and brains is via electrical patterns, which explains our consciousness. You can also affect people's consciousness by electromagnetic stimulation of the brain. Though memories being stored in brains is a dogma of science, there's very little evidence for it, and it's surprisingly difficult to demonstrate. Scientists have tried for a hundred years to do so, failing time and again. Perhaps they failed because memories are not stored inside brains. Brains may be more like TV receivers than video recorders, tuning into influences from their own past states, which travel via morphic resonance: the influence of like upon like within self-organizing systems across space. Morphic reasonance is the idea that there is a kind of memory in all nature.

Also, all self-organizing systems may have a collective memory. For example, each animal species may draw upon a collective memory of its kind. So perhaps our entire galaxy has a galactic mind, stars being like cells in a body, each galaxy like a cell in a universal body (or Anima Mundi as coined by Plato). Learning to communicate with our sun directly would be far cheaper than satellites and solar probes. Replacing reductionist science with holistic science could take us much further than any other rival cosmology.7

Psychic Powers

Magician "The Incredible Randi" has for years offered a one million dollar prize to anyone who could demonstrate under controlled conditions, that they indeed possess any type of psychic power. Either those making such claims refused to take the challenge, said they would but backed out, or took the challenge and failed.8 All psychic powers have been debunked. A common claim that is closely akin to extrasensory power is the claim of having intuition. See Testing "Intuition" in my chapter XXV.

Psychology (“Social Science”)

Chapter XIX of this book is a full length dissertation on the issue of psychology and the psyche fields. I adjure you to read it.

Quantum Physics

Radiometric Dating

Radiometric (or radioisotope) dating is a method used to date materials such as rocks by attempting to use observed rates of decay of one element into another, such as uranium into lead and potassium into argon to get supposedly accurate results. Yet no only do various radiometric dating methods contradict one another, the methods contrast sharply with an hourglass clock analogy. In an hourglass we how much time passed by seeing how much sand has fallen to the bottom. Radiometric daters likewise try to check how much “sand” fell from the “top” (parent isotope) into the “bottom” (daughter isotope).

Yet unlike an hourglass which can be tested against trustworthy clocks, this dating has three unprovable assumptions: A) We cannot know whether or not the artifact’s original state was filled with daughter isotopes, had some of them, or had none; B) We cannot know whether or not said artifact had lots of contamination and interference, a little, or none, during its long history, which would have dramatically effected its present state; C) We cannot know whether or not the decay rate was constant, had sped up dramatically, or had slowed down dramatically. In summary, radiometric dating is near worthless.

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