I live in Alaska. I know the men at Arco Alaska --- engineers---who developed HAARP over thirty years ago. I am in a position to tell you exactly what HAARP is and is not, why it was developed, and why it is time to stop worrying about HAARP and about nuclear weapons, too.

HAARP was developed as part of President Reagan's "Star Wars" initiative. The idea was to use ionized gas in the upper atmosphere to form a "mirror in the sky" to bounce radar, radio, and other wave forms off of ---- which enabled us to see over the horizon and detect in-bound intercontinental ballistic missiles.

The other use of HAARP was was to experiment with ionized gases known as "plasma" in the Upper Atmosphere and find out more about how ionosphere that protects our planet from the so-called "solar winds" blowing off the sun works.

The "solar wind" is like an interplanetary, interstellar "river" or "tide" of charged particles, mostly hydrogen ions, flowing through the solar system and beyond.

If our ionosphere did not blanket the planet and deflect this constant stream of charged particles, our atmosphere could in theory be eroded away, destroying all life on this planet. As it is, we need to understand the affect of the solar wind and the frequent geomagnetic storms caused by Coronal Mass Ejections (CME's) -- massive gas explosions on the sun----on our atmosphere and on our communications and defense systems.

There are other needs and questions, too.

50,000 years ago our sea level atmosphere contained about 28% oxygen, instead of the 15% and dwindling percentage of oxygen we have now. Why?

The easy answer is the deforestation of the planet and the growing impact of pollution on our sea ecosystems. But is there something else going on? Are gas hydrates (methane trapped in ice under the sea and northern tundra) melting out and releasing methane into the atmosphere?

If so, what is that doing to the carbon cycle?

HAARP and NASA missions like the MAVEN Mission to Mars can help answer these questions, but they aren't exactly questions for dinner table conversation.

As a health issue, lack of oxygen is a Big Deal nobody talks about. Lack of optimum oxygen in the atmosphere means incomplete oxidation and the increased build up of toxins in body tissues, it means slower firing of brain synapses, it means stunted growth, weak teeth and bones, and many other ill-effects for us and for the ecosystems we depend on.

These are not small concerns. They impact everyone. And everything.
We need to move beyond the era of superstition in science and math and get serious about problem-solving, not via lies and politically-motivated tax schemes based on tweaked data, but via investment in research and in better understanding of the scientific facts of life.

Academia has let us down. The misguided military has expended itself on ways to kill us instead of finding ways to keep us alive. Oil companies have deluged us.

We cannot afford to keep on reacting like cavemen faced with a torch every time someone takes a step forward, has a new thought, or brings forward a new tool with which to explore our planet. We can't go on circling the wagons every time some venerable theory is debunked. We desperately need new insights, better mathematics, better skills, and better tools.

I get very discouraged when I see people running around in a panic over HAARP, which is antiquated as an old computer that uses floppy discs and MS-DOS. It was a great new tool at the time, but it has long-since been surpassed by new derivative technologies. If you want to worry about something, worry about them.

Worry about a government gone mad. Worry about a political establishment that is so entrenched, inbred, and desperate to maintain itself and expand its own advantages that it doesn't care how many people suffer or die.

Worry about scientists who are too scared or too politically motivated to tell the truth anymore.

Worry that we are expending our energy fighting fictions instead of discovering facts, clinging to the past for the sake of some people's profit instead of developing new and dramatically better technologies for the entire planet.

We have to overcome these obstacles, both practical and intellectual. We have to pick up our courage, find our feet, and make the end-runs necessary to overcome the selfishness and political deadlock that have reduced our nation and our world to a slowly dying pulp of willful ignorance.

The time to break out of this fuzzy-headed stupor is now, and we can begin by rethinking our attitude toward science, math, and the natural world. There is nothing more beautiful, more important, or more fascinating and we have wasted the minds and talents of three generations by boring them silly, teaching them nonsense, and rewarding all forms of status quo mediocrity.

You all know me as "Judge Anna" and think of me in terms of law and history and religion, but never forget that science and math is my first love, my true nature, the joy of my heart and peace of my mind. Late at night when I have fought demons all day, I take stock of where all this has left us and our planet.

It's not bad enough that we have let these bankers and attorneys and politicians run everything into the ground. We've let them run us into the ground. We've let them destroy our air and our land and our sea. We've let them use us like cattle. We have sacrificed our sons and daughters. We've let them tell us what to do and haven't even had sense enough to assess the results and resist.

We must stand like men again or become a species more akin to dung-beetles ---and all via a process of our own selection.

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