

Meta-physical inquiry sees how the 'Four-interactive-Forces' are here at work within and between us humans.

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Abstract.

Physicists have determined that there are 'four-interactive-forces' in each and every atom. The forces were identified and named mainly on the basis of their objective properties. They are known everywhere as:

Gravity, Electromagnetism, the Strong and the Weak Nuclear Forces.

A meta-physical interest in the subjective nature of these same four forces recognises how they are equally here at work within and between us humans. They are especially evident in our family lives. In this setting, we distinguish the 'four forces' on the basis of their domestic and social and emotional attributes, and can classify them as:

Masculine strength, Feminine power, Family group energy, and sexuality.

Impressed by the evidence of energetic symmetry within and between the human and particle realms, I comment on the subjective and social nature of the processes that work together to form the Mushroom Cloud. In contrast to the established idea of the destructive nature of the atomic bomb blast, we become as witnesses to the unification and marriage of the masculine and feminine forces released out of the atoms by the fission process.

A consequence of this intellectual process, where-in we study the nuclear processes with both sides of our twin-hemisphere brain switched on, is the realisation that atoms are the family systems of the particle population. This in turn suggests the Atomic World is as a dimension of life unto itself.

Introduction. I came to the nuclear subject as a consequence of working as a geologist in Canada, where I was involved in a search for uranium. That work made me curious about the nature of the energy in the atoms. I firstly learnt about the 'four-interactive-forces', which nuclear physics has determined are in each and every atom. These four forces together form what we know casually as 'nuclear energy'. I recognised early on how physics identifies these forces on the basis of their objective properties. Being as I am an introspective person, this caused me to wonder about their subjective qualities. What, for instance, might they feel like.

During this time, when I was wondering about the subjective qualities of the 'four forces', my wife and I were busy as anything with raising our three young children. This was a most useful situation to be within. Our home was brimful with the children's activities and demands and needs. In the hurly burly of it all, I slowly came to see how the four energetic qualities that physics has identified in the atoms, these same energetic qualities were equally here at work and play in the daily dynamic of family life. I now see how they are in every family system, little or large. And not just in us humans. The 'four forces' look to be at work in every species, and present at every level of this multi-tiered universal system that we are within. Here is how I presently know them.

"The Four-interactive-Forces" and the different nomenclature we give to them, according to the purpose of our inquiry.		
The terminology of Nuclear Physics, as it identifies the objective properties in each atom.	Domestic household language as we recognise the subjective nature of each force in the family.	Christian synonyms that seek to name the spiritual quality of each force.
Gravity	Masculine Strength	Light of God
Electromagnetism	Feminine Power	Amos
The Strong Nuclear Force	Family Group Energy	Agape
The Weak Nuclear Force	Sexual Energy	Eros

I would mention here how astrophysicists calculated in the 1930's how the 'four forces' were seeded into our universal system in the beginning moments of the Big Bang. Around this same time, nuclear physicists determined how these four forces are in each and every atom. Thus we know full well they are in the macrocosm and the microcosm. Now we dearly needs to realise how they are equally here at work in this earthy dimension that we inhabit, and recognise that the atomic particles are the indigenous population of the dimension downstairs from where and who we are.

The band-width of information about the 'four forces' indicates they are universal forces. To my mind, this means that however we might seek to identify them, we will in the end only recognise the qualities that match our particular interest. Physics knows them for their physical properties. The religious for their spiritual qualities. In the home, we know the 'four forces' for their homely and domestic and social nature. This information highlights the deeply sensible and symmetrical and family-centred nature of this multi-tiered universal system we are all within. Here is a good place to iterate how our experience of these four forces indicates that three of them are forms of Love, while the fourth is a form of Light.

Meanwhile, observe how, in our modern era, nuclear physics has grabbed the talking stick and thinks these 'four forces' are theirs alone. This is not so. They live in all of us, and all of the time. Our civil nature needs to equally claim ownership and responsibility for their sensible use.

The metaphysics of the Mushroom Cloud.

The same energy in the atoms as in us humans suggests we must expect to find the same energetic processes going on in the particle world as engage us humans in our world. In this context, look again at the Mushroom Cloud that forms itself in the aftermath of every nuclear detonation.

This series of photographs come from a nuclear weapon test carried out by the French military in the South Pacific, circa 1970. I have however borrowed the first image from an American test, because it very clearly shows the formative beginning moment of this almighty process. The photographs allow us to see how the copious quantities of masculine (Gravity) and feminine (Electromagnetism) energy released out of the atoms by the fission process, then form (at the speed of Light) the two pantomime-like "energetic entities" that together initiate and create the whole Mushroom Cloud drama.

The Mushroom Cloud portrays the meeting and marriage of the feminine and masculine "energetic entities" who form themselves (at the speed of Light) from the energy released out of the atoms by the fission process.



Young lovers



The married couple.
Her power the equal
of his strength.



Each partner busy
developing their own
talents. His ambition is



to reach his full potential.
While she cloaks herself
with emotional powers.



Her destiny is to be the
motherly queen, supported
by his princely gravity.

Observe in the first image, how the muscular masculine 'entity' rises with love and longing to meet the soft rounded honeybun-figure of the feminine 'entity', waiting above where he is. We can see already the relationship forming between them. The Mushroom Cloud is basically a visual record of their union and indeed, their marriage to each other. We can recognise and follow their process because it is entirely similar to our human experience of the marriage cycle. The atomic version completes itself in about fifty seconds of our time, whereas we humans can take fifty years to fulfil the same phases that they work through together, in the Atomic World setting.

Nuclear fission works for us, in our reactors, by breaking up the atoms of uranium. By this means we gain access to the heat of the Light quotient that is in each and every atom. Light (amalgamated with Gravity) is one of the four forces. The three other forces (forms of Love) are discarded. They have no calorific value and are useless for boiling water, which is the primary purpose of the nuclear reactor.

In the vein of inquiry that values subjective data, our nuclear work allows us to see how the atomic particles are social and sentient, the same as we are. They are the children of this universal system that we are all within. This 'Gulliver's Travels analogy' helped me recognise how 'radioactivity' is an expression of the sadness and despair of the fissioned particles, who have experienced their family systems being annihilated from under their feet, in a virtual nano-second.

I worked at Dounreay, the nuclear reactor here in northern Scotland, and was able to experience on several occasions what the radioactivity coming from spent fuel rods feels like. It was indeed like a breath-taking sadness, of an intensity that I could only sustain feeling for some tens of seconds. That whole experience brought me to realise how the atomic particles are sentient as well as social.

I would suggest there is scope and a big need for the nuclear industry to now develop a civil technology whereby an integrated and well-supported group of women and men might be engaged to report on the emotional nature of radiation, at its different strengths alongside a timescale. That we acquire a working knowledge of how the fissioned particles are feeling during the early stages of their devastation.

This train of thought in turn brought me to see the potential we humans, we Humanity have, to develop a collective social technology whereby we might learn to create quantum units, or 'photons', of our 'four forces energy'. That we might learn to land these energetic parcels amongst the radioactive particles and determine if this is beneficial for them. As I feel it will be for us.

If we can ameliorate the phenomena of radiation, then I imagine this same process could be used to stabilise the unstable elements, typically uranium and thorium and plutonium. This could mean that nuclear fission will be a difficult process to initiate

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