

## Moral & Intellectual Life of the West

The Bilateral Brain in the Left Hemisphere Promotes Human Individual Initiative, & on the Right Side Communal Coherence  
The Complexity and the Hardship of Life Addressed in the Left Brain, Time, Memory, Interior Castle & in the Right Brain, Space, Present Instant, Environment

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From the earliest times, American ethics, the rules for the moral & intellectual life of the West, used to be founded upon the two principles of self-reliance and good neighborliness. Here we consider the underlying functions of neural brain circuits, organic structures that have evolved adaptively by Darwinian rules subject to selection pressure. In the left brain resides our self-reliant private Ego, making plans, launching initiatives. Your public Ego dwells in the right brain, looking around, meeting with your friendly neighbor. A main component is our bilateral interior cosmos, providing us with all the detailed information about our environment as well as the universe at large.

*Keywords:* Plato's metaphor of the cave & metaphysical gap, brain laterality, bilateral Ego & Kant's inner & outer senses, interior cosmos, orderly inner self vs. chaotic outer environment

### Dedication

Saint Paul's address to the Areopagos, Acts 17:28, King James Version: For in him we live, and move, and have our being; as certain also of your own poets have said. For we are also his offspring.

To the pioneers HOBBS, LEIBNIZ, KANT, BERGSON and many others, who have promoted the scientific view point in philosophy and have seen glimpses of the cosmos, this side of the metaphysical gap that separates man from his environment.

*These philosophical theories are included in the cosmos, Plato's Forms his Cave & his Divided Line, Hobbes' Calculations, Hume's Utility, Leibniz' Monad, Kant's Oneness Function & Synthetic Unity, Hegel's Geist, Brentano's Intentionality, Bergson's Mental Self-Record, Husserl's Phenomenon, Heidegger's World, & Rorty's Community.*

Life depends on language for overcoming the metaphysical gap that separates an individual animal from its environment. From the beginnings, the genome, the animal's blueprint, its embryonic logos, is stored in each cell as a linguistic record coded in the DNA alphabet.

### Introduction: Our Magnificent Beautiful World on This Planet Where We Live

**Synopsis: Only with reverence for our existence on this beautiful planet can we hope for a good life.**

With this essay we are wishing to convey to a suffering humanity a message of hope for healing in their moral & intellectual lives.

We explore how we can learn to adjust our inner cosmos (Burchard, 2011) for a better chance of survival, living in a mixed society in a difficult environment, not always among friends.

We strive to be leading a good life with reliance on the merciful universe under true insight into the fragile nature of our human existence. Plato's cave allegory, Kant's two senses & evolution of our bilateral brain explain our ghost-like human existence & spiritual well-being (Burchard, 2020c).

But we may need some thoughts about our beautiful world in preparation. We must remind ourselves how fortunate we are to own this dear little blue planet, on which we live, that has been holding steady & inhabitable over these four billion years, that our ancestors took to evolve by Darwinian rules of adaptation to often difficult times in fertile valleys and barren deserts, through frigid winters and mild summers.

There is so much we cannot understand yet and may not ever, the beauty of the blue sky, landscapes, flowers, a girl's pretty smile.

As beautiful as our world is on our planet, like a Breughel painting we only see the surface of it, and that only in our immediate environment, although we imagine the universe & all of its giant galaxies. So much complicated biology in our own natural body, & we scarcely pay attention to the inner workings of our biological being, above all our brain and its dependent nervous system that controls every function of our inner organs.

The point is that we need to acknowledge our superficial limited comprehension of ourselves and of our world, our environment, the universe. Nobody has even the slightest idea where existence started or whether it did. Why is there something rather than nothing...??

The point is that we should be overcome with reverence for being a part of it all. Only with reverence can we hope to avoid the dreadful fates & early deaths of the many victims of their own actions born from ignorance of the spiritual laws that are inherent in our biological existences.

Perhaps it is only our preconceived notion dictating what a beautiful world we have to live in.



*Figure 1.* Interstate I-80 and Truckee River exiting from its canyon near Verdi, Nevada. Traffic disappears around the right bend going up into the canyon, pleasant “dreamline” imaginations arising in the symbolic left brain. Google Earth Street Level View.

Here, my daily prayer as a charismatic adherent to Jesus, via the Holy Ghost:

Dear Jesus, thank you for giving me this day to live, to breathe, to move, to suffer, to heal, to meditate, to repent & to Be in your beautiful world.

Prayers & poems are telling us to be grateful for life, and thankful for the beautiful world in which we are living.

So very very precious our Little Blue Planet, so unique, life sustaining, indescribable beauty if we just look around.

We celebrate this beautiful world that is given to us by our creator Father in Heaven who lives far above the tent of the sky that he has stretched over our lives, mercifully.

The mountains, the forested hills & valleys, our divine women, evolved under the discerning gazes of our ancestors.

It is very important that we hold this fact before our eyes always, a blessing equally shared by all, the never ending bounty of our rare planet, which we own in common, and must willingly share with each other, barring envy & enmity, all thoughts of world domination or even genocide to be excluded.

### **Private Intellect & Public Morality of Individual Human Spirits Build a Society**

**Synopsis: Our bilateral double Ego comes to life as pure logical intellect in the private left hemisphere, but is subject to stringent moral laws in the public right brain.**

From the earliest times, American ethics, the rules for the moral & intellectual life of the West, used to be founded upon the two principles of self-reliance and good neighborliness.

Here we consider the underlying functions of neural brain circuits, organic structures that have evolved adaptively by Darwinian rules subject to selection pressure. In earlier work we have attempted to describe the complex bilateral architecture of our brains in support of our mental existence, in the form of, yes, two Egos, one in each, left & right, hemisphere, naturally evolved to build a vast bilateral interior cosmos, or world model.

The brain's nature is thought to be a linguistic structure, storage of vast data in language form. Between its language & its intent or content, *i.e.*, the reality referenced by the language, there stretches a great emptiness called the metaphysical gap.

In the left brain resides our self-reliant private Ego, making plans, launching initiatives. The intellectual power of the human individual is a capacity of the private Ego, as it makes plans to perfect its designs from out of its interior noumenal cosmos.

Your public Ego dwells in the right brain, looking around, meeting with your friendly neighbor. The moral foundation of the human community originates in spontaneous kindness from your public Ego, safeguarding the integrity of your social interactions through love from your interior phenomenal cosmos. The exterior metaphysical gap, the emptiness between you & observed objects, is in stark contrast to the reality of your own body as it combines both senses, interior & exterior, noumenal & phenomenal, in a living human being.

We consciously exist in form of Damasio's movie-in-the-brain, its frames processed in gamma rhythm, averaging 40 Hz, along the ventral & dorsal neural streams. Your so-called conscious states last 25 ms or less, one frame's duration.

The homunculus viewer of Damasio's movie is your self, producer, director, actor & cameraman wrapped

up in one Cartesian act of *je pense donc je suis* coming from the future, disappearing in the past: The passing moments of 200 million neurons of Brodmann Area BA10, each having a global receptive field, global access to all your data, intertwined in superdense dendritic arborizations, acting in incomprehensible performance of Kant's Oneness Function<sup>1</sup> (Burchard, 2020a).

A main component is our bilateral interior cosmos, a free creation that combines our total experience into an orderly whole providing us with all the detailed information about our environment as well as the universe at large.

We are dealing with human moral & intellectual life, the human spirit, formerly our precious soul, now neuro-psychological, anatomical, organismic the interior cosmos from these three dominant aspects pertaining to a healthy personality, its development.

(i) How the cosmos should be configured, what must be its guiding principles that will guarantee, or at least secure as best possible, the individual's survivability;

(ii) Successful upbringing & education by parents as well as teachers of young person to enter into an adult world with a viable cosmos;

(iii) A law-abiding population guarantee for society's flourishing, functioning in a safe & orderly manner.

Education now is in near-collapse from false concepts about human nature. In the remainder of the essay we lay the foundation for reform & healing in a comprehensive exposition of the organic neural aspects of the human spirit.

### **Holism and Conscious Ego**

**Synopsis: The Kantian Oneness Function operates in our prefrontal lobe to produce our holistic experience.**

Global context, provided by the bipartite default mode network (DMN), is equally as fundamental to the functioning of conscious Ego as is the global receptive field of neurons in the fronto-polar cortex, and both combine to the holism which we observe in our day-to-day dealings with the environment and with ourselves, always performed by steadily applying & executing Immanuel Kant's Oneness Function (Burchard, 2005, 2011, ... , 2020c).

Widely accepted today by philosophers and scientists a doctrine of holism demands that all of our knowledge must fit together, as a complete "web of belief," (Quine & Ullian, 1978) and must provide global context from which to judge any particular cognitive domain. The status of this belief is in dispute, the more traditional opinion being in favor of a stronger assertion, a web of knowledge or of information.

As a role of conscious attention, there is a check on a largely automated suggestion of response-list. How the brain exactly achieves this, is not yet known at this epoch. However, there seems to be a connection with global receptivity, meaning global receptive fields for the neurons of our cerebral cortex in the part located just above the eyes, named the frontopolar or orbito-frontal region.

The mental life & existence of the human person, as agent in his or her own world, private & social, interior & exterior, is the sole subject matter of this essay. We are the result of organismic oneness, the objective counterpart of mental holism, a Darwinian evolved neural super-Turing machine (Burchard, 2016), a Logos machine according to its purpose (Burchard, 2020d).

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<sup>1</sup> Funktion der Einheit.

This complex is addressed under several, two or three, temporal aspects, often considered, but we wish to treat the questions systematically & assign to it some scientific precision. A brief discussion is following.

The human world is both momentary and permanent, with a past prior to the instant now bygone, lost, and the future from this moment on not yet at hand, but the healthy organism renewing itself in daily ontogenesis, gives permanence to each human, from birth to death, the cerebrum reputedly recording everything that is experienced by the individual (Bergson, 1911).

We can illuminate vividly this layered permanence of our momentary existence through memory of some particularly significant moments, several coming to mind at regular intervals for everybody. A random brilliant souvenir can bring back to life the past in a flash as if those ten years had not run out to be absorbed by the sands of time.

Yesterday, just that occurred to me when the long-forgotten image<sup>2</sup> of Figure 2 came into my hands, from Talca, Chile, after the great 3AM earthquake of Feb. 27, 2010. The sweet act by the sleep-deprived young woman had warmed my heart 10 years ago in sympathy, and did so again now. She covers the eyes of her dog, possibly frightened by the quake, with her hand. Notice the dog's front paw on the slippared toe of her mistress.

My experience from ten years ago replayed like a video clip.



*Figure 2.* Young woman wearing shawl comforting her dog. Talca, Chile, after 3AM earthquake of Feb. 27, 2010. Photo Sebastian Martinez/AP, NY Times.

### **Our Bilateral Double Ego**

**Synopsis: Proud humans, being subjected to the evolutionary necessities of cerebral bilateral asymmetry, we must concede being possessed of two Egos, one in each hemisphere: Public Ego in the**

<sup>2</sup> Photo Sebastian Martinez/AP, NY Times. <https://www.nytimes.com/2010/02/28/world/americas/28chile.html>.

**right brain, but private Ego in the left brain.**

A human being has two egos, one in each cerebral hemisphere, giving us conscious existence. The bilateral double ego is maintained in the prefrontal lobes, originating as a 40 Hz gamma rhythm oscillation, services mysteriously performed by the bilateral linguistic brain in the 200 million prefrontal lobe neurons of Brodmann Area BA10, left & right.

The two prefrontal cerebral lobes perform the Kantian Oneness Function. Each human person can claim the title of *Function of Unity*, through its liberty creating oneness from connectedness. Ultimately, the Parmenidian One may be Nature herself, her origins being or having been outside of human experience & forever sealed in bottomless mystery (Kant, 1781, 1787, A110-11, 121).

Included in our conscious existence is an internal world model, the organized record of our interconnected, or general, experience, integrating sense data from across the metaphysical gap with memory associations, under constant analytical revision forming a bilateral interior cosmos:

Left brain: time, noumenal cosmos, imaginary interior castle, & the complexity of our eternal existence.

Right brain: space, phenomenal cosmos, observed environment, & the hardship of our instantaneous earthly life.

At any given time, I am reflecting on the current status of myself as well as of my external environment, fitting all inside my orderly cosmos as faithfully as possible.

Cautionary remark: There are 200 million neurons in BA10 alone, very dense synaptic arborization of the dendrites, how do they make Unity? An explanatory task we must leave to be unravelled by a super-programmer in the unknown future...

In complex environmental & societal situations, so common in our daily lives, our BA10 is there to help us keep track of our own actions, those of others & extraneous events simultaneously in our outer sense right brain, as I think we all know from our own lives, while watching over our plans, intentions for ourselves & duly considering all options, in the left hemisphere. We require our conscious free will decision making & always must do the best we can.

The left brain—is for our innermost thoughts, our private world, our plans for the day, Immanuel Kant's *noumena*, *mental entities*, *organized sequentially in time*. The other half—in the right brain—is for the external environment, whatever goes on in the public world, Kant's *phenomena in geometric space*. Right brain Ego is public, an opportunist that keeps track of the world around us, any threats or goodies that might come into view quite suddenly.

Strangely, the instant, instantaneity, in human life so far remains unexplored & ignored & no psychologist or philosopher appears to think, follow or examine its nature. Instead a widespread belief in mental states has spread itself like a virus, contradicting the discovery of a gamma-rhythm “movie in the brain” (Damasio, 1994; Parvizi & Damasio, 2001).

Any conscious state would be short-lived, of at most 25 ms duration. An inherent delay of the conscious “now” by about 300 ms is noted by Damasio.

This entirely unfounded belief in mental states has severely hindered philosophers & distorted their published theories, being misled, & failing in their attempts to understand consciousness when they ignored its most striking characteristic.

Albert Einstein on his deathbed asked Rudolf Carnap about this puzzling condition in a conversation about the “Now,” saying nothing like it existed in physics. Einstein said the now is not physics. He does not say it's

an illusion. He wants Carnap, who is a famous logician, to explain what the instant now is, realizing on his death bed that it is all, is everything we have (Weizsaecker, 1992).<sup>3</sup>

The global access also gives conscious presence of the individual to itself, all that is present in the interior cosmos, for total freedom of actions. In any situation, we can be aware of external events & internal designs. This simultaneous overview is needed in critical survival situations.

We can survive adverse conditions due to the left brain's private inner self...

Finally coming to the main points, we ever need to be watchful to keep our bilateral interior cosmos in good shape or our well-being comes under threat. This is detailed in an early 3-page version of this essay (Burchard, 2020b).

### **Faith & Piety**

**Synopsis: The imperfections of a finite albeit adaptable computing system, which our brain appears to be, require us to be open to the infinite beyond, its recondite wisdom, divinity to help us out in our need.**

In the left brain private ego, we are guarded by faith in divine mercy. We receive the Holy Ghost directly in Saint Teresa's *castillo interior*. His angel guides us to choose the right, the best course of action.

The Holy Ghost was familiar to people in the time of Jesus, who mentions Him. Not a Christian doctrine at all, but due to Zarathustra (Zoroaster).

We can survive in the most adverse conditions.

We love the Sermon on the Mount, the Beatitudes: "Blessed are the downtrodden, theirs is the Kingdom of Heaven." This unorthodox translation is based on a parallel in Isaiah, that Jesus likely had in mind, when pronouncing his 1st beatitude.

Blessed are the peace keepers. Usually translated "peace makers," but that is not what Jesus would have said. You make peace with the sword, but you keep peace by being gentle.

Blessed are they who hunger and thirst for righteousness. This is what we know the civil rights movement was based on, not riots.

Blessed are the merciful. Equal justice for all is a demand that seems to be based on mercy, opposite to dominance & supremacy.

Life is tough, but late in life we can discover mercy. Americans understand mercy as fairness, a highly regarded virtue. There is a mercy movement in the Catholic Church. Maybe the unruly & unholy mob in the streets is just confused? They do not know the gospel on which American democracy is founded, unlike the Athenian. We must try & explain.

The nonsense of "Pascal's Wager:" We need to be in a daily personal relationship with the Creator of Eternity for to save our precious souls from perdition, for charismatic Christians with Jesus. So a person of faith would not usually engage in such a consideration. Yet this is taught to our young people in their general education classes.

### **Life & the Integrity of Our Interior Cosmos**

**Synopsis: The interior cosmos is the organized totality of one's experience. Any malformation will**

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<sup>3</sup> Zeit und Wissen, pp. 81-82.

**show up in mental or physical loss of functionality.**

The inner man (inner human), our soul, struggles in life against the material universe but the soul provides an interior castle where people can dwell in relative safety amidst the turmoil and despite the disorder of the actual Universe outside.

The interior castle is a home for the tormented self, the place for it to which to return, and though exposed to chaos in its life, here in this stronghold self can reside in equanimity due to the soul's capacity for having faith, which is access to a power that sustains, heals and directs.

Escape from chaos and return to interior castle, the story of Man's Soul, its struggle to exist, has been reported in the tales of history and was central from the beginning universally addressed in the world's writings and supplying the main subject matter.

I never really took an interest in arguing with people, that was not my game. I just went to find out what the truth was and then stuck with it. After all, what is the point of arguing with people who don't know the truth and who don't want to know the truth, if you already know the truth?

We owe to Descartes the realisation that our being depends on our thinking,<sup>4</sup> that our very existence as a human person is tied into the weave of our thoughts.

Conscious existence depends upon our interior cosmos, the neuronal record of our interconnected, or general, experience,<sup>5</sup> essential for us humans is the well-being of the cosmos, Saint Teresa of Avila's interior castle, in all interactions with each other & the greater environment. Any disorders of the cosmos are liable to cause sickness, setting our existence on a path of psychosomatic etiology of a large class of mysterious undiagnosed illnesses.

There certainly are a lot of things each individual human being can & should do to preserve health & well-being striving for longevity, to enhance their own ability to find happiness, achieve success & accomplish productive dealings & a rich harvest of fruits & boons of their activities, especially those that might be beneficial for continued existence of a thriving civilization and helpful for the human community.

But it is also quite apparent & abundantly clear that many people don't do or can't do what would be possible perhaps out of ignorance of basic principles or from deep-seated resentments that stand in the way of them having a holistic understanding of human existence, one that is firmly rooted in our genetic origins as results for 4 billion years of life on Earth, evolving by Darwinian fitness criteria.

**Common Sense & Communal Human Judgment Power**

**Synopsis: The interior cosmos serves as measure of reality, hence judgment, on the basis of it being the summation of all we have learnt.**

Communal sense, more often styled common sense, is resident in our internal human cosmos.

There is hope, in a person's upbringing & education, that it should become more likely that our young will grow into viable adults, by investing more emphasis upon, more awareness of, greater responsiveness to the known biological foundations as they emerge recently of one's personality & mental powers.

At the same time, there still are some major lacunae in our understanding of human somatopsychic biology, the gammut of how our nervous system functions and how it interacts with the somatic existence. Moreover, a still wide explanatory gap remains between sensing & experiencing our existence on one side of

<sup>4</sup> Thought to be identifiable with Immanuel Kant's Oneness Function.

<sup>5</sup> Immanuel Kant, 1790.



the gap and the biological organism that we are & that we interpret as the carrier of our experience.

Not enough for our mounting despair that any boon for our little ones ever shall accrue by all of the above being set in motion, deep unresolved philosophical matters remain to overcome, the metaphysical gap between reality & our inner cosmos, that powdered & painted free creation, chiseled with the help of a cosmetic arsenal, as we construct it in our brains based on preconceived notions of what a beautiful world should look like free of the snake pit from which, clueless, we are attempting to escape during every waking hour of our pitiful lives.

When sickness first begins to manifest itself in somatic symptoms of the individual's physical organism, then inevitably we must expect to find in a person's interior cosmos, their mental inner world, already present prior malformation, disarray, devastation (Burchard, 2005, 2011, ... , 2020).

We must accept the brain's bilateral division of labor as a divinely taught lesson, Mother Nature wiser than man (surprise..!!). However, Immanuel Kant was able to read her correctly, dividing things in phenomena *vs.* noumena.

This is not unfamiliar, rewording it as facts (right brain) *vs.* opinions (left brain). The latter according to Daniel Patrick Moynihan,<sup>6</sup> his popular quote:

“Everyone is entitled to his own opinion, but not his own facts.”

Once you are alerted to brain laterality, it is astounding how often people make reference to it, indirectly & implicitly of course as in Sen. Moynihan's case.

Supported by 40 billion cortical neurons, the interior cosmos helps the human animal overcome the metaphysical gap which separates us humans observers of our environment from reality, a gap that Plato metaphorically illustrates through the images carried behind the cave prisoners' backs who only see the shadows.

In my 39 years as a professor<sup>7</sup> I often noticed students going about their campus lives, steady in pursuit of their course of study, & admired their thoughtful attitudes, eyes on the ground, as I encountered them on my way to classes, wondering about what their inner world models were like that they were carrying with them.

We humans really do follow much less the outer chaotic mess, that often is best ignored, than our inner cosmos, a fact that Plato's cave story left out, & which he only implicitly refers to in his dialogs on many occasions, when he tells of expert skills.

This fundamental precept I recently found illustrated on one of my many wonderful Google-Earth-derived images, in this case a young lady on her lonely 10 k walk across a 4 km long modern bridge and back on a generous foot path.<sup>8</sup> She is fully engaged with her inner cosmos, keeping her eyes firmly on the footpath in front of her. She went well prepared, carrying her water bottle in her left hand and a hip pack on her back. As she walks she is paying no attention to the glorious view across the vast bay, an inlet of the ocean, while meditating about her life, its conflicts & challenges. It is a beautiful stretch, nature & technology, if you are up to the 10 k distance. There are several joggers and walkers, girl friend pairs, a young mixed couple perhaps engaged to be married.

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<sup>6</sup> (1927-2003). U.S. Senator, early death after appendectomy.

<sup>7</sup> IU & OSU, 1969-2008.

<sup>8</sup> Cooper River Bridge 10 k Run, Charleston, SC, annual international event.



Figure 3. Young woman on 10 k walk, fully engaged with her inner cosmos. Google Earth, Street-Level View.

### Scientific Philosophy and Society: Public Scene & Institutions

**Synopsis:** The global context of our interior cosmos allows us to comprehend by means of hermeneutic analysis the societal issues of the day & of greater history, but collective consciousness is an idea conceived by humans.

Our organized social bodies function only through their human operators, and can be beneficial only as provided by the integrity of their inner cosmos.

The key concept is a human being's interior cosmos, similar to Saint Teresa of Avila's Interior Castle (her father was a Jewish converso, her mother ancient Castilian nobility), but wider, including the common sense understanding of the universe, steadily augmented by experience, learning & science, not a completely isomorphic image of reality but an orderly, beautified arrangement (cosmos = cosmetics applied to nature).

We must set out by prejudicially ranking incentives for individual initiative, entrepreneurship & responsibility above community, and not to make national policies with their main goal being protection against hunger, poverty & overpopulation, which has been the motive force by which we have launched the electronic civilization. E.g. minimum wage almost certainly is unconstitutional limiting contract liberty, a form of free speech. Food stamps provide a disincentive to seek labor.

The reason as explained above is the holistic-biological endowment of the individual person with comprehensive grasp of their environment which includes society, under the bilateral Kantian Oneness Function based on judgment power flowing from the interior cosmos, left & right cerebral. No wisdom can come from a Richard Rorty "conversation" unless such wisdom should spring from the mind of any one or a few among the participating humans.

We can announce a way-out for the human being, maligned, mistreated, deprived, coerced, abused, confronted by a chaotic world resembling a malodorous swamp.

We have a bilateral brain, a bimodal existence, my right brain is for public reception of the object world, things in space of geometric configuration, localised for easy identification, but the left brain is for your private

world, your own purposes, your intimate concerns, your free imagination, a place suitable for you to rise up to the stars.

Noumenal Cosmos to grow toward Parmenidean whole in an individual's lifetime. Developing in my lifetime toward wholeness & greater wellness, providing anchor Ego for the wispy nerve clusters of BA10, trying to help firm up the fleeting spasms of the soul, as she hopes to escape into the open (Heidegger, 1942/43).

For many of today's public debates, such a scientific philosophy approach might be helpful for resolving thorny issues, or at least to gain a firmer grasp on them.

The helpful point of view will be that no issues can be resolved without recourse to global context which is rarely the case in actuality, where discussions and conversations most often concern minutiae. One aspect of GC is that hypotheses, even extravagant ones, are not as a rule controversial in science. What often is controversial are claims of verification or falsification of known hypotheses.

No society can thrive without a hierarchy of values, education, wealth & power, including a wealth pyramid, as incentive for high achievers, who would be stifled in a socialist state.

Especially history has been imperfectly conceived & transmitted to the next generation. This extends back into early history & prehistory, with the result of gross distortion of the nature of major aspect of events.

Julius Caesar during one day sold into slavery all 50,000 inhabitants of a Gaul city he had conquered. His huge civilian train included slave traders with cash in hand.

While the destructive aspects of Roman imperialism upon the Jewish people is generally known and widely being reported, almost nothing is taught about how Julius Caesar's Gallic Wars amounted to a revenue raid as have been all wars during the millennia of recorded history and presumably for even longer periods of prehistory, that made him an extremely wealthy man, not the least from selling Gauls as slaves, the indigenous population.

We, the human clade, will be going through a harsh period of Darwinian evolution, a selection process which miraculously has kept life surviving on Earth for 4,000,000,000 years, through multiple catastrophic incidents, with no apparent explanation of why it did not fail, other than various tricks we can infer through biology & paleontology.

### **Summary & Conclusions**

In this essay, we elaborate on some scientific philosophy basics, relevant for a healthy life and based upon new insights into the nature of human conscious existence, founded in the bilateral brain hemispheres serving asymmetric functions that were anticipated by Immanuel Kant's theory of our two senses, inner temporal sequential logic in the left brain, residence of our private ego, & outer spatial image geometry in the right hemisphere where our public Ego lives. Much attention should be given by every human to the care of one's inner bilateral cosmos, formerly thought of as our immortal soul.

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