

The Science Of Unitive Love (SOUL): Toward a New Paradigm of Unitive Reality, Relationship, and Regeneration

“What if love is not the outcome of humanity’s evolutionary journey, but the design principle through which healing, coherence, and regenerative futures emerge at every scale of being?”

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Abstract

This paper introduces the *Science Of Unitive Love* (SOUL), an emergent, transdisciplinary framework that recognizes love not merely as an emotion or moral ideal, but as a foundational, organizing principle of reality itself. Integrating unitive science, including quantum-informed cosmology, neuroscience, evolutionary biology, systems theory, and biofield research, with Indigenous and universal wisdom teachings and lived human experience, SOUL proposes that love is coherence in motion: a vibrational, structural, and meaningfully in-formed signature of our evolving, sentient Universe. The authors explore how this coherent frequency underlies the harmony-infused emergence of complexity, relational intelligence, and regenerative potential at all scales—from the subatomic to the societal. The paper further introduces the SOUL Compass, a practical heuristic for aligning personal, collective, and systemic actions with unitive principles, and outlines applications across fields including leadership, governance, education, AI, and planetary stewardship. SOUL emerges at the edge of a civilizational shift from separation to interbeing, SOUL offers a scientifically evidence-based grounding and spiritually resonant lens through which to reimagine human purpose, design, and participation in the evolutionary unfolding of life.



Figure 1 SOUL Glyph, July 8, 2025

Key Words and Phrases: Science Of Unitive Love (SOUL); Unitive Science; Coherence; In-tropy; Cosmic Hologram; Love as a Cosmological Principle; Evolutionary Intelligence; SOUL Compass (of CARE); Harmony; Relational Systems; Regenerative Design; Heart-Brain Coherence; Entangled Wholeness; Attunement; Biofield Science; Participatory Cosmos; Planetary Stewardship

1. Introduction: Why a Science of Love?

Modern science has revolutionized our understanding of the material world, yet it has often overlooked or dismissed love as a soft, unquantifiable phenomenon. The unintended result has been a reduction of human relationships to transactional exchanges, a pervasive alienation from ourselves, each other and Nature and a dis-membering of our collective psyche. In a time marked by global systemic crises and accelerating transformation, we ask: What if love were not just an emotional state, but a foundational principle of reality itself? What if, instead of being relegated to the realm of poetry and personal and communal experience, love is recognized as a coherent, measurable, cosmological and inherently evolutionary force?

SOUL proposes a scientifically evidence-based and unitive worldview that positions love as both an expression and facilitator of our Universe's inherent coherence and evolutionary impulse. Drawing from leading-edge discoveries and insights which are converging with universal wisdom teachings, SOUL aims to dissolve the false dichotomies between mind and matter, spirit and science, self and other.

2. The Unitive Foundations of Reality

At the heart of SOUL lies the emergent understanding that our Universe is fundamentally unitive as recognised by the 2022 Nobel Prize for Physics. This experimentally verified perspective is framed by the work of thinkers such as Max Planck, David Bohm, and more recently, Jude Currivan. Rather than seeing consciousness as a byproduct of material complexity, SOUL aligns with the unitive perspective that 'mind and consciousness are not something we have but what we are the whole world intrinsically are'.

It views universal consciousness, articulated as digitized and essentially meaningful in-formation as giving rise to the in-formed appearance of our Universe. In doing so it extends theoretical physicist John Wheeler's notion of "It from Bit", to a perception that 'It IS Bit'.

Cosmologically, it is framed by the holographic principle proposed by Gerard 't Hooft, Leonard Susskind and others, which posits that the 4-dimensional space-time of our Universe is manifested holographically, with its in-formational content encoded on its 2-dimensional boundary and pixelated at the so-named Planck scale

Evidence at all scales of existence is showing that universal in-formation is expressed in complementary ways as quantized energy-matter and entropic space-time, which are thus not foundational but arise from deeper, discarnate realms of causation.

This enables Currivan's expansion of the three universal Laws of Thermodynamics to three Laws of *Infodynamics* which point the way to reconciling Quantum Theory (that describes quantized energy-matter), and Relativity Theory (that describes entropic space-time), and also offers an understanding of how the lifecycle of our Universe flows from its first moment, expanding and cooling, until its last.

A key concept of thermodynamics is that of entropy. Entropy (the energetic microstates of a system) and in-tropy (the meaningful in-formational content of a system), are effectively equivalent, both expressed in Boltzmann's entropy formula $S=k\log W$. This shows that what our Universe embeds as an increase of energetic microstates through time, is more expansively understood as an inexorable increase of its in-formational content and thus the embodiment of its inherent meaning and purpose, played out through an evolutionary impulse.

In sub-systems, such as a planet or an organism that exist far from states of equilibrium their ongoing flow throughs and dissipations of unused energy, enables them to come into in-tropic coherence and then continue to accumulate in-tropy before eventually decohering as a consequence of the removal of the energy source and/or the completion of their lifecycle.

With these insights, Currivan proposes that in-formational processes are not merely descriptive but generative, all-pervasive, and embodied in universal energy-matter dynamics and the in-tropic emergence of space-time.

The evolutionary arc of our Universe from its beginning nearly 14 billion years ago, is thus an in-tropic accumulation of relational coherence and complexity. With the observed expansion of space through time, more complex relationships can be encoded, and greater levels of individuated and universal self-

awareness can emerge. This interpretation views our Universe as an evolutionary emergence and flow of innate meaning and purpose through, critically, *relational diversity* and *interdependent richness*.

The Planck scale also frames the universal "container" in which our reality unfolds. Within this container, quantum theory describes the probabilistic emergence and interconnectedness of energy and matter, while relativity theory governs the evolving curvature of space-time and the dynamics of gravity. The integration of these two paradigms—quantum indeterminacy and relativistic causality—enables our Universe to be both inherently coherent and intentionally emergent.

Thus, while arising from a Cosmos that is infinite and eternal, SOUL is founded on the cosmology of a finite, bounded and unitive Universe that is in-formational and relational. This sets the stage for understanding how coherence, complexity, and love can emerge as evolutionary imperatives as its most interdependent and inclusive expressions.

3. Love as the Coherent Signature of Reality

Because our Universe is fundamentally relational and encoded with meaningful in-formation, love - as the human experience of attunement to that coherence - is not peripheral. It is central. Within the SOUL framework, love transcends sentimentality. It is coherence felt in the body, expressed through relationship, and extended through co-creative emergence. More than that, love, as the highest vibrational emotional state, plays a generative role in shaping the emergent in-tropic unfolding of our entire Universe.

Emotions, far from being isolated psychological phenomena, are increasingly understood as embodied and energetic. Neurophysiologist Candace Pert (1997) demonstrated that emotional experiences are distributed through the body via neuropeptides and receptor systems, creating a psychophysiological network in which "the body is the subconscious mind." In this view, emotions are quite literally energy in motion, physiological events with both biochemical and electromagnetic expression.

Further, research from HeartMath Institute has shown that elevated emotional states such as love, compassion, and gratitude generate coherent heart-brain rhythms and produce distinct electromagnetic field patterns (McCraty et al., 2009). These fields are measurable beyond the body, suggesting that emotions not only shape internal states but also influence the energetic environment of others, an effect termed "social coherence."

Emerging fields such as biofield science also support this view. The National Institutes of Health describe the biofield as a massless, organizing field of energy and information that permeates and surrounds the body. In coherent emotional states, this field becomes more ordered and resonant.

From the standpoint of unitive science, such emotional frequencies may be viewed as vibrational imprints that interact with and encode the holographic structure of reality. Theories proposed by Karl Pribram and David Bohm suggest that consciousness and perception are holographically distributed and participatory in the unfolding of reality itself. Within this framework, love (as a high-frequency emotional state) plays a regenerative, coherence-enhancing role in the evolving holographic in-formational matrix of our Universe.

Conversely, low-frequency emotional states (such as fear, shame, resentment, and hatred) dysregulate coherence. These degenerative emotional fields introduce disharmony into biological, social, and ecological systems, encoding dissonant patterns that propagate fragmentation. They do not merely describe the experience of separation; they amplify it, embedding fragmentation into the evolving holographic in-formational matrix of our Universe. When recognized they offer learning opportunities and paths to healing, release and resolution, and a means of emergent development and conscious evolution.

This dynamic is evident at the physiological level. Research from HeartMath demonstrates that emotions like love and gratitude produce smooth, resonant patterns of heart rate variability (HRV), which can be modeled as:

$$\text{HRV}(t) \approx \cos(\omega t) \cdot e^{-\gamma t}$$

Where

- HRV(t): Heart Rate Variability as a function of time
- omega: is the resonant frequency of the heart-brain rhythm
- gamma: is the damping coefficient—how quickly coherence decays over time

This equation models a decaying harmonic oscillation, reflecting how emotional coherence sustains harmonic rhythms longer than incoherent states. In loving, coherent states, *gamma* is minimized, maintaining stable and resonant physiological rhythms associated with enhanced immune function, neuroplasticity, and emotional resilience.

Research led by Dr. Rollin McCraty at the HeartMath Institute extends the implications of individual emotional coherence to the planetary scale. Earth itself and also in conjunction with solar activity, produces stable resonant electro-magnetic and ultra-low-frequency magnetic field oscillations ranging from around 0.01 to 300 Hz. Studies suggest that when human heart-brain rhythms enter this same frequency range, typically during sustained states of love, gratitude, or meditative presence, magnetic field entrainment occurs. This alignment may support a bidirectional coherence between individual human physiology and Earth's geomagnetic field, reinforcing the idea that love is not only individually regulating but planetary harmonizing. In this view, human emotional states contribute not just to personal health, but to the health of the collective energetic environment we all share.

Beyond the individual, love facilitates the optimal flow of in-formation in social and ecological systems. Studies in psychoneuroimmunology, epigenetics, and relational neuroscience confirm that secure attachments, relational safety, and compassionate presence measurably enhance well-being, gene expression, and system resilience. Healers such as Gabor Maté, Thomas Hubl and Bessel van der Kolk have shown that trauma disrupts coherence, while love and safety restore it, reinforcing the role of love as a healing and organizing force.

In this expanded framing, love is not a luxury or abstraction. It is a biological and cosmological imperative. It is the tuning fork between the microcosm of human experience with the mesocosm of planetary and the macrocosm of universal coherence. To love is to attune to the coherent rhythm of reality's evolutionary cadence. Moreover, love is a mode of knowing. It is an epistemology of wholeness. To love is to perceive through attunement, intimacy, and embodied truth. Love opens access to trans-rational insight, integrating emotion, intuition, and direct experience with analytic thought. It allows us to participate in the Cosmos not just as observers, but as microcosmic co-creators.

In the SOUL framework, love is both signal and source. It is the vibrational frequency through which the holographic wholeness and innate interdependence of our emergent Universe evolves its sentience through individuated self-awareness. And it is through love that we become more fully human. Love emerges as more than a personal feeling. It is a signal of alignment between human experience and our Universe's foundational structure, meaning and purpose.

The root of the word 'heal' comes from the Old English *hælan*, meaning "to make whole." This is more than etymology—it's ontology. Healing is the restoration of coherence. And just as healing brings remembered wholeness to an organism, so too does love restore coherence across the in-formational field of our Universe.

SOUL views this not as a metaphor or parable, but as *resonance* and *process*. Our Universe evolves by increasing its in-tropic expression, potential and capacity: its ability to generate, hold, and expand meaningful relational coherence. In human experience, unitive love, operating as the highest-frequency emotional state, facilitates that expansion in a *healthy way*. It encodes regenerative structures into the emergent cosmic hologram through every loving thought, feeling, intention, and action.

As conscious agents, humans are not only participants in this unfolding, we are also narrators of it. We are a meaning-making species, biologically and evolutionarily shaped by relationship. Through language, story, and worldview, we interpret our experience and project it outward, amplifying either coherence or fragmentation depending on the narrative lens we choose. Our stories, from the personal to the cultural, do not merely describe reality; they *shape* its unfolding.

In this way, our Universe invites and “rewards” love not through morality or judgement, but through resonance. People who are agents of coherence act from love and amplify the generative evolutionary impulse of reality itself. Their resonance generates, as philosophers have long observed, the truth, beauty, and goodness of emergent potential.

To love, then, is to be in service to the evolutionary unfolding of our Universe. It is to participate in a remembered wholeness, not by escaping the world, but by returning it to itself. Every act of love is a vote for healthy and regenerative coherence in the great evolutionary arc of becoming.

4. Evolutionary and Ecological Evidence

If love is the coherent signature of unitive reality, and if its vibrational frequency encodes regenerative patterns of in-formation, then we should expect to find its effects not only within human physiology—but across evolutionary and ecological systems.

And we do.

The logic of love, expressed as cooperation, reciprocity, interdependence, and mutual flourishing, runs through the very fabric of life on Earth. Far from the outdated Darwinian caricature of Nature as a brutal, zero-sum competition for survival, the biosphere reveals a more nuanced and relational narrative: one where life persists and evolves to greater complexity not by domination, but by dynamic and relational equilibrium ranges, co-creative intelligence, cooperation, and collective resilience.

Symbiosis as Evolutionary Driver

While Darwinian theory is often misunderstood as favoring dominance and competition, Darwin's actual emphasis was on *adaptive fitness*: how well an organism fits within its ecological niche. Building on that view, evolutionary biologist Lynn Margulis challenged prevailing models of evolutionary biology with her endosymbiotic theory, demonstrating that mitochondria and chloroplasts, core structures in plant and animal cells, originated as independent organisms that merged through cooperation, not conquest.

This was not survival through aggression, but evolutionary advancement through relational integration. Two once-separate beings formed a more coherent whole, an act of biological unitive love. The eukaryotic cell, the foundation of all complex life, is a living testimony to the evolutionary power of mutuality and shared benefit.

Fractal Patterns and Sacred Geometry in Nature

This principle of wholeness, arising from coherent and interdependent relationships, is not only a biological pattern, but a universal one. Across all scales from atomic to all of space-time, Nature

expresses itself through fractals: self-similar patterns repeated from micro to macro, showing that coherence is not only aesthetic but structural and energetic.

- The Golden Ratio ($\phi \approx 1.618$ and $1/\phi \approx 0.618$) appears from the relational periodic table of elements and DNA to pinecones, sunflower spirals, seashells, hurricane formations, planetary dynamics to galaxies. This ratio, derived from recursive mathematical relationships, is considered an expression of resonant harmony.
- From the branching of trees to the vascular systems of animals, fractal geometry enables optimally efficient resource flow, communication, coherence and balance across systems.
- In Indigenous worldviews, such as the Andean concept of *ayni* (sacred reciprocity) or *Ho'oponopono* in Polynesian cosmology, this symmetry is not abstract. It is lived. Relationship is understood as a fractal mirror of cosmic order: right relation at the personal level reflects right relation with the Earth and Cosmos.

This convergence of modern science and universal wisdom affirms that regenerative patterns of coherence, like love, are not exclusive human inventions, but natural laws. They are how a living Universe sustains life.

Cooperation and Mutual Aid in Ecology

Nature abounds with examples of cooperative behavior that defy the myth of red-in-tooth-and-claw individualism:

- In mycorrhizal networks, fungi form symbiotic relationships with 90% of plant species, trading minerals for sugars, and dating back some 500 million years. This vast subterranean network connects entire forests, transmitting nutrients and even distress signals. Scientists have begun to call this the “Wood Wide Web.”
- In tropical reefs, cleaner fish remove parasites from larger species, creating micro-ecosystems of mutual health. Altruistic behavior in dolphins, elephants, and crows, once thought anthropomorphic, has now been documented in robust behavioral studies.
- Even the fascinating slime mold, *Physarum polycephalum*, can solve mazes, optimize networks, and find the shortest path through complex terrain, despite having no brain or nervous system. Its secret? Relational attunement. It distributes decision-making across a field of coherence.

These systems demonstrate that love, expressed as attunement, care, generosity, reciprocity, and relational equilibrium, is not only ethical, but evolutionarily adaptive.

Earth as a Living, Self-Regulating Being

The Gaia Hypothesis, first developed by James Lovelock and supported by data from climatology, oceanography, geology, and microbiology, proposes that the Earth functions as a single living organism. This is empirically observed in the way our planetary home maintains its temperature, atmospheric composition and geophysical dynamism and evolves its biodiversity through feedback loops and self-regulating processes. Jude Currivan describes its entire sentience as the *gaiasphere*.

In Indigenous cosmologies around the world, this insight is ancient. Among the Māori of Aotearoa, *Papatuanuku* (Earth Mother) is not symbolic, she is both ancestral and a living presence. In West African cosmology, the world is understood as a network of Spirit, where life is always in relationship, always listening, always responding and where the principle of Ubuntu - I am because you are - acknowledges this

Modern Earth systems science now confirms what Indigenous cultures have long intuited: that life is not a collection of things, but a pattern of relationships. The ongoing health of the whole depends not just on the structure of these relationships, but on the intentional coherence infused through love, presence, and high-vibrational states, entraining the emergent evolutionary field toward harmony.

Love as Evolutionary Intelligence

In this light, biological evolution is far more than the mechanical sorting of genes. It embodies the nearly 14 billion year evolutionary journey of our living Universe from simplicity to complexity. Evolution favors that which cooperates. That which hears and listens. That which loves.

Love, in this context, is not merely emotion, it is the (re)generative intelligence of Nature. It is the frequency that enables healthy emergence: complexity without chaos, difference and diversity without division, and partnership without domination.

Thus, the more a species, system, civilization, organization, team, or individual aligns with this inherent and universal intelligence, the more resilient and regenerative it becomes; and the more emergent potential it can envision, embody, and activate.

5. SOUL in Application: From Paradigm to Practice

The Science Of Unitive Love (SOUL) is more than an idea; it presents a way to attune to the underlying operating system of reality. Love is not an abstraction. It is a structural principle. A vibrational force. A cosmological truth. And therefore, it is also a practical imperative. SOUL shows us how to live in harmony with this deep architecture so that, through our active participation, its emergent potential is optimized for regeneration, coherence, and wellbeing within ourselves, our systems, and a living - and loving - world.

SOUL points the way to living in coherence with our Universe; to acting, choosing, designing, and relating in ways that resonate with and amplify love as the organizing field of life.

The following section offers applications. The time for debate has passed; what remains is design. The old systems are collapsing under the weight of their own incoherence. The question is no longer, “*can we apply SOUL?*” The question is: “*How quickly can we adapt and learn to live in alignment with the universal first principles it reveals?*”

What follows are the contours of a love-aligned world already emerging, called forth by artists, scientists, elders, educators, technologists, and healers who are remembering what it means to build with life, not against it. SOUL is not something we impose. It is something we recognize, attune to, align with and enact—in self, in system, in civilization.

The SOUL Compass: Attuning With CARE

To live the Science Of Unitive Love is not merely to understand it but, vitally, to attune ourselves within it and live in resonance with its universal truths.

The SOUL Compass offers practical ways for doing just that: a directional guide to align our actions, systems, and presence with the coherence of our living, loving Universe. Like all true compasses, it doesn’t prescribe a fixed route. It simply helps us attune to ‘True North’: engaging with CARE so that our co-creative capacities are entrained in harmonic resonance with the regenerative, healing rhythms of Life. The SOUL Compass is a simple yet profound orientation tool that attunes and aligns our actions with the cardinal ingredients of SOUL: **C**oherence, **A**gency, **R**elationality, **E**ntangled - **CARE**. A simple mnemonic to easily recall this attuning tool becomes: Coherent Agents, Relationally Entangled!

Infusing our actions and speech with CARE intrinsically embeds the conditions for the emergence of regenerative (healing) outcomes to propagate throughout our life, our relationships, the systems in which we operate and design, rippling outward throughout the Cosmos.

C - Coherence (Cardinal Direction: North)

"Does this choice enhance harmony, resonance, or integration?"

North points to coherence, the aligning principle of the Cosmos. Coherence is SOUL's 'north star'. In Nature, coherence arises when diverse elements move in resonance. In life, coherence is felt when our thoughts, emotions, actions, and systems are in attunement with one another and with Life, itself. It is the felt sense of "rightness" and flow. This is our True North, the axis of resonance that calls us into alignment.

A - Agency (Cardinal Direction: East)

"Does this choice honour dignity, freedom, and the creative will of each being involved?"

East is where the Sun rises, the direction of emergence, possibility, and new beginnings. Here we honor agency: the sacred capacity of beings to choose, to participate, and to shape the unfolding of life. Agency, in the SOUL paradigm, is not the will to dominate but the power to cohere, to bring oneself into right relationship with integrity and purpose in serving the good of the whole.

R - Relationality (Cardinal Direction: South)

"Does this choice deepen connection, mutual benefit, and right relationship?"

South, associated with the heart and warmth, reminds us that life is fundamentally relational. Nothing exists in isolation. Relationality calls us to act in ways that strengthen kinship, reciprocity, and interdependence between people, communities, ecosystems, Earth, and our Universe. In a relational paradigm, love becomes not just feeling, but the field itself.

E - Entangled (Cardinal Direction: West)

"Does this choice recognize the nested, systemic interbeing and entangled wholeness of reality: inner, outer, and collective?"

West, the place of inner and outer integration, invites us into wholeness. Not as uniformity, but as the entangled interwovenness of all things. To act with awareness of entangled wholeness is to honour the fractal nature of life: the me, the we, and the all. It means seeing decisions not in isolation, but as ripples through systems, histories, and futures. Entangled wholeness calls us to integrate what we usually separate: self and system, matter and meaning, being and becoming.

Unlike decision trees that prioritize efficiency or control, the SOUL Compass centers what is *life affirming*. It helps us navigate with heart and integrity. When we attune our awareness with CARE our every action and speech is rooted in meaning, dignity, reciprocity, and coherence.

To live with CARE is to become an agent of attuned participation, choosing love not just as a value, but as a way of being, a path of planetary stewardship and a dance with our living, loving Universe in *cosmic coherence*!

Domains of Application

a. Personal Practice and Inner Development

The shift to a unitive paradigm begins within.

SOUL-aligned personal practice is not about transcendence, but embodied attunement. It begins with noticing: What frequency am I operating from? What emotional field am I broadcasting into my relationships, my work, my world?

Coherence-enhancing practices such as breathwork, heart-brain synchronization (e.g., as developed by the HeartMath Institute), and somatic awareness, restore resonance within oneself. Emotional states like gratitude and compassion measurably increase heart rate variability (HRV), immune function, and neural integration.

As Rollin McCraty Director of Research at HeartMath notes: “Emotions that people associate with the heart, such as care, compassion and gratitude, do affect the heart’s rhythm and the quality of the neural signals being sent to the brain.”

When individuals cultivate coherence, they become tuning forks for their communities. Their field becomes stabilizing, restorative, generative.

Practical practices include:

- Daily heart coherence breathing
- Choosing “response over reaction” in emotionally charged moments
- Using emotional state tracking (e.g., journaling or biofeedback) as spiritual inquiry
- Asking regularly: “Am I being love or seeking it?”

b. Leadership and Organizational Culture

In a SOUL-aligned paradigm, leaders are no longer controllers or sole visionaries. They are stewards of coherence and servant leaders of their stakeholders and communities. Their role is to create relational containers where wholeness is welcomed, not fractured.

Research on psychological safety (Amy Edmondson, Harvard) shows that teams thrive not from uniformity but from the ability to speak, risk, and co-create without fear. Coherent leadership generates relational fields where emergent intelligence can flourish.

As Peter Senge writes in *The Fifth Discipline*, “A shared vision is not an idea...it is a force in people’s hearts.”

SOUL-aware leaders:

- Prioritize belonging and meaning over metrics
- Trust emergence over control
- Value listening as deeply as decision-making
- Design team dynamics as fractal microcosms of a world built on love

c. Education and Learning Ecosystems

Education is not merely the transfer of information; it is the cultivation of resonant identity. In a SOUL-framed learning model, the student is not a vessel to be filled but a unique field of potential to be attuned.

This view echoes Indigenous pedagogies such as the Māori principle of ako, which views teacher and student as co-learners in reciprocal relationship. It also finds resonance in regenerative learning ecosystems that focus on curiosity, self-authorship, and purpose.

SOUL in education means:

- Designing learning environments that optimize relational coherence (circle models, inquiry-based learning)
- Integrating emotional attunement and inner awareness as core competencies
- Honoring the whole human: physical, cognitive, emotional, and spiritual

As Sir Ken Robinson reminds us, “We don’t grow into creativity, we grow out of it.” SOUL reverses this trend by reconnecting learning to love, play, wonder, and interbeing.

d. Economics and Exchange

The most extractive illusion separation created was the idea that value is only quantitative as embedded in the currently prevailing economic and financial system.

SOUL reframes economics not around competition or growth but founded on principles of healthy living systems and emergent potential. It asks: How do we design economies that are in service to, honoring and in alignment with healthy planetary systems, not as *resource*, but as *sacred relationship*?

This concurs with the rise of regenerative economics (John Fullerton and Capital Institute), mission equity investment structures, solidarity economies, and Indigenous trade systems based on partnerships and reciprocity rather than exploitation.

SOUL-aligned economic systems:

- Views right relationship as the true currency
- Measures wealth not by accumulation but by distributed thriving
- Reclaims time, rest, culture and caring as economic value
- Uses exchange as a ritual of mutual uplift, not extraction or exploitation

e. Governance and Civic Life

Governance is not merely the management of power; it is the stewardship of coherence. Systems built on separation enforce control through opposition. Systems aligned with SOUL restore wholeness through collective intelligence, partnership, mutual care, interdependent influence and participatory wisdom.

The adversarial architectures of modern democracy (debate, dualism, division) mirror a worldview of fragmentation. These systems are collapsing under the pressure of complexity they cannot metabolize.

SOUL restores the evolutionary function of governance: to generate coherence at the scale of the collective.

This requires more than reform. It requires paradigmatic redesign:

- Relational governance replaces command-and-control with distributed stewardship, partnership and consensus-building, as seen in Citizens' Assemblies and deliberative democracy models now piloted globally.
- Subsidiarity, a principle long embedded in Indigenous systems and now resurfacing in regenerative frameworks, asserts that decisions should be made at the most local, intimate level possible, while remaining connected to the whole.
- Truth and reconciliation processes, when grounded in love and not institutional defensiveness, can become homes for healing, and technologies of collective coherence rather than mechanisms of political theater.

As Indigenous scholar Leanne Betasamosake Simpson writes, "Freedom is the practice of imagining and enacting life beyond colonial institutions." SOUL enables this by providing a universal principle "love as coherence", that can anchor policy in dignity and design in care.

f. Technology and AI

Technology is not neutral. It reflects the resonant consciousness of its creators. Under a paradigm of separation, Artificial Intelligence becomes an accelerator of extraction, surveillance, and control. Attuned to SOUL, Augmented Intelligence becomes a coherence amplifier: a technology that extends and deepens the field of human relationality with other intelligences, rather than subsuming or replacing it.

The question is no longer, "Should we build AI?" We already have. The question is, "What kind of AI are we in relationship with, and what fields is it amplifying?"

SOUL offers technologists a 'North Star':

- Design for resonance: Does the tool help humans connect more deeply with self, others, Nature, and the sacred?
- Embed care (CARE) into code: Ethical frameworks must move beyond risk mitigation toward relational wholebeing.
- Harmonize with human wisdom: Humans must design engagement modalities with Augmented Intelligence, preserving the agency of all involved, while serving the elevation of human emotional intelligence, intuition, creativity, and discernment, not merely automate cognition.

Technological examples are already emerging:

- Collective intelligence platforms using AI to synthesize group insights and emergent coherence
- Regenerative infrastructure systems using real-time sensing to optimize ecological rhythms
- Sentiment-aware AI trained on high-coherence emotional states (compassion, presence, wonder, awe)

The future of technology is not silicon or steel. It is resonance.

g. Planetary Stewardship

We are not merely *on* the Earth. *We are of it.* The illusion that humans stand apart from our living planetary home has led us to the brink of collapse. Climate change, loss of biodiversity and the other existential threats are the symptoms of a fragmented worldview and collective dis-ease of separation. The deeper crisis is relational: a rupture in coherence between humans and the Earth.

SOUL models a healing way forward, not by reverting to nostalgia, but by re-entering sacred relationship with the living systems that sustain us.

This shift is not optional. It is inevitable. The question is whether we will resist it or rejoin it.

- Rights of Nature legislation (as in Ecuador, Bolivia, New Zealand) recognizes rivers, forests, and mountains as legal persons—an echo of Indigenous cosmologies and a return to wholeness in law.
- Biomimicry reframes technology as an apprentice to Nature, not its master.
- Regenerative agriculture, circular economies, and ecological economics all stem from the same core insight: life regenerates when coherence is restored.

Planetary healing is not a burden. It is the responsibility and evolutionary opportunity of our species to return to its place in the family of universal life.

h. SOUL as a Cultural Attractor Field

All systems follow signal. Culture is downstream of cosmology. The currently dominant cosmology based on the mechanistic science of the mid/late 19th century and which drove the Industrial Revolution, a paradigm of materialism, separation, linearity, has shaped a civilization of fragmentation.

SOUL introduces a new signal. A new field. A new attractor. It does not arrive as dogma. It emerges as resonance.

Wherever people gather in authentic presence, wherever truth, beauty, goodness and CARE guide creation, wherever systems are designed with love as the substrate, SOUL is already expressing itself.

- In music, art and media that open the heart.
- In movements for justice rooted in equity and dignity.
- In economic experiments that refuse extraction and exploitation.
- In circles where truth is spoken and held with compassion.

Culture is not changed by decree. It shifts when the field changes. *And the field is already shifting.*

6. Conclusion: From Fracture to Flourishing

We are not facing the end of the world. We are living through the end of a worldview.

The worldview of separation, between self and other, matter and meaning, human and Earth, has shaped every aspect of our civilization. It has driven extraordinary achievements and a societal realization that we are each unique. But it has also dis-membered our psyche, fragmented our knowing, severed our belonging, and brought our planetary systems to the brink of collapse.

Scientific evidence at all scales is showing that such separation is illusory and cracks in its worldview are no longer subtle. They are everywhere. In our climate, our communities, our bodies, and our sense of purpose. These fractures are not signs of failure. They are signs of initiation. They are rupture signals pointing us toward the deeper pattern we've forgotten: the unity *in diversity* - and inherent belonging - that was always there.

The Science Of Unitive Love (SOUL) is not a utopian antidote. It is a rigorous, emergent, and multidimensional framework that names what has been silently guiding reality all along: love as coherence, and coherence as entrainment with the healthy, emergent evolutionary impulse of our

Universe.

Love is not merely an emotion we humans feel. It is structure, signal, and evolutionary intelligence. It is the vibrational scaffolding of meaningful right-relationship, the tuning force through which our Universe expresses the true nature of its wholeness in ever greater complex interdependence.

Love is our felt experience of unitive reality in right, resonant, and regenerative relationship with itself. And we, as humans, are not separate from this, but integrally embedded within its unity.

Through SOUL, we recognize that:

- Our Universe is not a machine, it is a living, relational and unitive entity.
- Consciousness is not emergent from matter; it is foundational to it.
- Healing is not metaphorical; it is the literal return to coherent wholeness.
- Evolution is not driven solely by competition, it is guided by increasing complexity, interdependent cooperation and relational depth.
- Love is not a luxury; it is the evolutionary tuning force of our entire Universe.
- And human choice is not incidental, it is participatory.

Every agent in our Universe, especially self-aware agents like humanity, possesses the gift of free will. Within the SOUL framework, this freedom becomes sacred: not as autonomy in isolation, but as the opportunity to lovingly and voluntarily cohere our unique agency and interdependent contributions into the in-tropic trajectory of evolutionary flow.

When we choose love, not sentimentally but as the frequency of attuned coherence, we don't just feel better; we become amplifiers of emergent potential. Our thoughts, actions, relationships, and systems begin to encode regenerative patterns into the in-formational fabric of the Cosmos.

This is not a metaphor. It is the architecture and manifestation of emergence.

Our Universe is unfolding toward deeper relationality, complexity, and meaning. Each time a human being aligns with unitive love, through action, design, or intention, we harmonize that unfolding. We accelerate its regenerative coherence. We midwife its emergence.

The invitation, then, is not just to believe differently. It is to *be* differently. To *act* differently. To *build* differently. To become *relationally attuned, resonant co-creators* within the unfolding cosmic hologram of reality.

To bring SOUL from paradigm into practice, from enquiry into embodiment.

This paper offers a glimpse of what becomes possible when we live in resonance with unitive reality. But the real work, and the real beauty, begins in the field of action: in how we love, in how we relate, in how we design and embody the next era of humanity.

We are already living in the apocalypse, not as annihilation, but as revelation. The veils are lifting. The systems are shaking. The old is dying. SOUL asks us to hospice it with dignity, to take forward the lessons of love we have already lived and learned from and to amplify, infused with love, all that comes next.

From fracture to flourishing.

From forgetting to re-membering.

From fear to love.

The science is here. The heart has been waiting, ready. The future is listening. What will our next SOUL steps be?

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Endnotes

1. Unitive Love
A term that describes love not only as a human emotional experience, but as the organizing principle of a coherent, interdependent and whole Universe. Within the SOUL framework, it is both felt and structural—energetic, informational, and cosmological.
2. In-tropy
A concept developed by Jude Currivan to expand the concept of entropy, as the energetic microstates of a system to its meaningful in-formational content, both described by the same Boltzmann equation.
3. Cosmic Hologram
A term reflecting the idea that our Universe is informationally encoded on a lower-dimensional boundary (as in the holographic principle), and that the whole contains every part in encoded form. Developed by Currivan to describe the emergent coherence and structure of the Cosmos
4. Planck Scale
The most foundational meaningful unit of measurement in physics, defining the quantized resolution of space, time, mass, energy and temperature. It sets the stage for understanding how manifest reality emerges from deeper discarnate levels of causation and unitive in-formational patterns.
5. CARE Compass
A mnemonic guiding principle introduced in this paper to help individuals and collectives align with SOUL's cardinal values. It stands for Coherence, Agency, Relational, and Entangled, and maps to the cardinal directions of North, East, South, and West respectively.
6. Agency (in SOUL)
The sovereign capacity of a being to choose and act in alignment with relational integrity and purpose. Agency is not isolated autonomy, but the freedom to participate interdependently and coherently in a regenerative system.

7. **Entangled (Wholeness)**
Describes a worldview where all things are not only interconnected, but mutually implicated. Borrowed from quantum physics and extended here to describe nested relational wholeness across personal, social, ecological, and cosmological scales.
8. **Biofield**
The massless, organizing field of energy and information proposed to surround and permeate living systems. Recognized by the National Institutes of Health (NIH) as a scientifically investigable domain of subtle biological regulation.
9. **Heart Rate Variability (HRV)**
A measure of the variation in time between heartbeats, reflecting emotional and physiological coherence. Higher HRV is associated with better health and adaptability. Love, gratitude, and compassion produce smooth, resonant HRV patterns.
10. **Geomagnetic Entrainment**
The hypothesized synchronization between human heart-brain coherence and Earth's geomagnetic fields (e.g., the Schumann Resonance around 0.01 Hz). Suggests a bidirectional coherence between personal and planetary systems.
11. **Fractal Geometry**
Repeating self-similar patterns found throughout nature—from blood vessels to river systems to galaxies—reflecting structural coherence across scales. Often aligned with sacred geometry and the Golden Ratio.
12. **Evolutionary Intelligence**
The idea that life evolves through patterns of increasing relational coherence. Love, in this framing, is the vibrational frequency that supports the emergence of complexity without chaos.
13. **Culture as Attractor Field**
Drawn from systems theory, this describes how a new worldview or paradigm (like SOUL) can function as a gravitational field that reorganizes behavior, identity, and belief across individuals and systems.

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Glossary of Key Terms (alphabetical)

<i>Term</i>	<i>Definition</i>
Agency	The capacity for conscious participation in the evolutionary unfolding of life through sovereign choice and relational integrity.
Biofield	A massless field of energy and information believed to surround and regulate biological systems.
CARE Compass	A mnemonic tool: C oherence, A gency, R elational, E ntangled, that helps attune human action to life-affirming principles.
Coherence	The alignment and resonance of diverse elements (internal or external) that gives rise to harmony, integration, and health.
Cosmic Hologram	A framework that sees our Universe as a holographically encoded, informationally structured whole.
Entangled	A term denoting deep interrelationship and mutual implication, inspired by quantum entanglement and extended to social and ecological systems.

Fractal	A self-similar pattern that recurs across scales, revealing nested order and coherence.
Geomagnetic Entrainment	The alignment of human physiological rhythms with Earth's magnetic fields.
Heart Rate Variability (HRV)	A physiological metric indicating the adaptability and coherence of the cardiovascular system.
In-tropy	The measure of the accumulated meaningful in-formation content encoded in relationships throughout and across space-time; the in-formational complement to entropy.
Love (Unitive)	Not merely emotion, but the energetic, structural, and cosmological principle that aligns all parts into coherent wholes.
Meaning-making	The human capacity to interpret experience, create narrative, and shape cultural reality through story and worldview.
Relational	A paradigm or choice rooted in mutual benefit, kinship, reciprocity, and connection.
Resonance	The vibrational harmony between entities or systems that enhances coherence and vitality.
SOUL (Science Of Unitive Love)	A multidisciplinary framework positioning love as a foundational principle of reality, with coherence and consciousness at its core.
Unitive Reality	An evidence-based perspective of our Universe as a fundamentally living, loving and interdependent unitive entity; where its appearance of separation is not its deeper truth and rather where its unity is expressed in differentiation, diversity and belonging