

The Gathering: Our Human Future—supplemental literature

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Contents:

The Gathering: Our Human Future (text for video presentation)

The Last Fall

Gunderson: FBI Chief concerning death dumps

Geoengineering: an unacknowledged source of ozone damage, metallic pollution and neurodegeneration

The Perceptual Transference and its alteration simply explained from, *The Answer*

Autism: evolutionary threat and prophylactic determinant analysis

Hadronic Mechanics by Jeremy Dunning-Davies

Blade of Light information, condensation and addresses

Introduction:

Hello. My name is Rich Norman. I'm here to bring you some very good news concerning our human future. You may have wondered why humanity is in the trouble it is, so very familiar, now as always wars are erupting all around the globe, human want and misery are rife and omnipresent, and it seems as if even larger and more threatening conflicts loom as dark specters, waiting to consume us. Now as always, humankind seems unable to change or evolve, what in psychology is called a fixation. Always, there is unhappiness, and want, shortage and misery...and again the immutable shadow hanging above and beneath all human endeavor: war. Why is mankind so very empty, eternally unhappy, and so very, very cruel? Why—is he unable to evolve? I have found the answer to these things, and I will share that with you here. I will take you into my heart, and show you our new future. This video presentation contains three parts.

The first section will gently guide you through the first steps that will begin the human evolutionary process itself. There is a natural process and ability to change and evolve within you, that has been hidden beneath threat and guilt. We will start to uncover that perfect basis, begin our life of new health, and change the way reality is formed.

The second section will invite you into a world of hidden scientific knowledge and disclose the exact ways we will end human want, misery and unhappiness using new science to free us of pollution, shortage and want.

The third section will address utterly vital and pressing facts which we will solve together in order to secure our worthy future.

This recording is my gift of caring and warmth for you. Within this we may be together, mend the broken places and summon a new dawn of human hope. This, is the gathering. Between us, we will create all things anew.

For those of you who are interested in the science and details explaining and supporting the ideas which follow, I invite you to read *The Answer: Roadmap for a New Humanity*, and, other video content defining human evolution and the transference. Before I welcome you into our new world, you must understand a little of how and why, this is all possible.

The basic imbalance which has created our broken, bloody human history of misery and war, is based in threat. Threat fosters an imbalance between two circuits, their associated systems and the brain chemicals released, and beneath that, our long history of human conflict, submission and violence has left within our epigenetic DNA, the DNA which forms our responses to current situations, yet another piece of the puzzle and problem that is preventing human evolution. There is an entirely new human within you, waiting to evolve and create a new world out of each second of experience. To find and reveal that endemic processes basis, you must understand that all of experience is given its quality by way of a hidden, unconscious, dream. The dream beneath the impoverished reality of the modern human's world is a broken dream, his feeling of security is gone,

replaced with dreams of power, submission, potency and perversion. We will learn to dream again. We will place the basis of transformation itself, evolution itself, beneath experience. This transformative function, known as alpha function within intersubjective psychology, is based in particular circuitry which is formed in the first 18 months of life. The neuroendocrine changes creating the circuits, the glandular and nerve expressions, are triggered by a primary impression, the impression of the mother's face in the exchange of gaze, touch and glance. This impression is formed in part when the infant is not yet aware of the distinctions between himself and the world, hence, the entire world is itself the mother's face which is indistinct from himself. This identification with all the world, this triggering maternal impression is the true basis of empathy: identification with all the world as a responsive, connective part, a piece of one's self. There is an ethical basis, within man. There is a transformative basis within humankind. Mankind, is a being of light.

The process creating our reality is called transference. The hidden dream beneath reality, may be changed, to reflect the maternal basis of safety, empathy, ethics and security, and so, no law or moral code is ever needed, only the empathetic basis, which connects us to each other and all things is required. We may speak of a new human, we may speak of the end of guilt. Mankind has been hidden from himself, and in fact, his very basis *is* ethics. Ours, is a world of warmth and endless change, in a word: ascension. There is no guilt. All which judges you, is a lie.

To change the transference, and place transformation, evolution and ethic, pleasure, warmth and happiness within all things, we must restore the lost feeling of safety and deep connection, and bring a healthy dream from long ago into the present within your unconscious mind, to replace the broken cruel dream of threat and ruin. That substitution can only be achieved with symbolism, the language of the mind. The mind communicates in dreams using symbolism, and a dream we can not see is always turning in the unconscious mind, creating the quality of reality. The mother, means something very different to you now than she did before you were a year old, so, we must call up the early feeling, by way of its affective resonance using the language of the mind: symbolism. We will place the impression which is itself empathy, and has formed the transformative circuitry, in substitution for the broken dream within you, and so, change the chemistry within the brain, to reflect a satisfied and full state, filled with warmth and caring. Then, the healthy dream of safety and connection, transformation and human promise, will begin to take hold, and the epigenetic expression beneath the process allocations will change to one of health, and so— we may evolve.

Thoughts of our higher potentials and human fullness, are expressed as images of light. The body is connected together by fields of coherent light composed of what are called "biophotons" which appear quite distinctly to emanate from DNA itself and brain structures called microtubules. Thoughts of light, increase these biophoton expressions as they emanate from the head. All of the universe and mankind himself are an electromagnetic expression, an expression mediated by photons...by light. There is a physical basis beneath what many think of as spiritual processes. That basis, is itself ethics. No rule is ever required, no threat is ever needed. Each moment is its own

fulfillment, found within the connections between all things. To know that, to feel it, is to do good, by necessity. Once freed, the basis of man becomes plain: caring, kindness, creation and change. We, are the children of light.

The Gathering: Our Human Future.

Welcome. The Gathering exists between us, so is our future spent and summoned here, and now, as a thought gathered between the moments. I will enfold you within the breast of Time, safe within its beating flow and retreat. Nothing can harm you.

In this place, here with me, you are safe; for if no other place might be found, this can not be taken from you. You are amongst us now. We are the children of light. Humanity, is such a child as this. You have never left us, nor we you.

I choose the poetry of such a name not by religious or social meaning, no. I choose it as it is what we are, and so, it suits us. It is no deeper than that. The choice was one of essence.

Our Gathering will create something: a new human at last released from its fearful glove of hiding, now singing in light and song, so easy and sweet is the spirit you are. Did you know that? I will show you. For guilt itself, is the first sin.

The race of man is ripe for offering, rich and florid with the fruits of ages...if only ungloved and peeled away, the dark petals teased apart to release the flower, so bashfully hidden. So it is with us, and new happiness.

I will give you several things. First, you may have a memory.

Within the hidden thoughts of the mind, is the first impression of human connection to all things and peoples. I will bring it toward the surface, so it may nourish you. From there, the impediments to human development may be removed, and change begun. This is the first memory of connection and warmth. It is from here, safe within this old place, that all new worlds must spring. —let my voice vanish, and only the rhythm remain:

Deep within the ages, within the creases of distant memory, a moment preserved and nourishing, glowing, subtle and warm, a pulse amongst the coals of time, filling the salt moments with light and warmth, ebb and motion, a tide washes and flows unending, shifting and full, unheard and ever-present is her breath, stretching as time spread across desert sands, under a purring sun of warmth spilt toward lapping waters...sands glistening beneath the tide of breath, here in the first moments...here, you are safe, we are together. The beginnings of life in the human being, are the fount of empathy, and also, of change... as a heartbeat, within the connections between all things.

To begin, simply imagine the following image, and enter into it as if into a dream. This

simple meditation performed for 30 minutes or more will begin to return to you what cruelty and the past have stolen. This is a symbolism of the events, the reciprocal exchange of gaze and glance which initiated neuroendocrine changes to form the sympathetic limbic/OFC circuits, in the primary impression of empathy.

"Please relax, hear, the water, and listen to my voice. There is a meadow, within the forest, surrounded by trees, stirring, a distant breeze. The day is still and quiet. Listen to the shining brook, spilling itself, over smooth rock and sand, listen, as it splashes, so near the meadow.

You are dreaming, in the meadow, reclining, in a still bed of folded grass and thick green moss. The day is sweet and warm. The breeze is a caress. The sound of birdsong, and clear, silver water, laughing and trickling, wrap themselves around you, and enfold you. The wooded valley holds you, in the cup of tender morning light, spilling her heart of golden warmth upon you.

The sun is pouring down upon your face, shining and warm, golden and loving is this light, a light you are folded into, and have created, shining, pouring back up into the arch of heaven, spilling up from your glad face, and again down to fill you, the trees nodding as you dream them, the sky golden and warm as you have poured it—and back around—for it has dreamt you...now as the world, of the world, nourished and warmed, the circle complete, a round of golden warmth and light, spilling into the world and returning again, unto you, and again, you unto it...and all the world is eternal, safe, nourished and nourishing, a circle of happiness, pouring down and returning, warm and sweet, the circle glowing, life spilled round into warmth—and golden light.

I will note for you the symbolism, the exchange of gaze and glance within the triggering impression which is the source of empathy is reciprocal, the tender sun as a round spilling upon you and back upward, the connection to all the world symbolized as a dream cast from within you.

Within this moment, all things are nourished, and dreamt. Each moment of experience is a piece of dream, cast in part from the present, in part from the ages concealed. The image we just shared, will allow you to change your world, and its meaning. Keep it in mind always, day and night behind your thoughts. The brain circuitry with which it is associated, permits transformation of pain and all of reality. Within the deepest human memories, are the keys to re-awakening the ability of the human animal to change, and evolve. Fear and threat have kept this hidden from us. The inability of Man to stop warring and wanting, is solved thus. The future of man, is found nested within the past, waiting to awaken. The dream we require, the future we need has been prevented by a history of potent abuse and pain, leaving a sick dream ever repeating within the hidden mind of man. We shall find, together as one, that this pain has vanished, as the dream we now share contains within it, the seeds of our new awakening. The human future has been concealed, beneath a dream of blood and fear, endless and repeating. We will dream

again, and find that we are safe, free, changing and limitless. We may find our name. The children of light. Each moment of experience is a piece of dream, cast in part from the present, in part from the ages concealed. The image we have just shared, will allow you to change your world, and its meaning. Keep it in mind always, day and night behind your thoughts, as a spring always running.

Here, in this sacred place we may always be together.

Pain may be transformed, and become pleasure within the enfolding of our unity. Light, transforms light. You are never alone.

Next, I will tell you of how our race has been trapped, fixed, fixated, into a repeating dream of war and obedience, and how to change this.

Authority, the domineering will of the father throughout history, has left a dark stain of blood in the form of a dream turning away within the hidden mind of all men...the past keeping us forever ill, a dream of fear and blood, revenge and submission cycling as human history, unseen and omnipresent within each man. To change the future of man, and find a new pathway of hope, we may change the dream of a broken history. In physics experiments, wishes are seen to change physical systems, and alter probability, to change 'luck'! The past of man has cast his broken wishes for him in a sick dream, always calling to him, an ill future. This need not be so. We may create a new dream, and call to the race of man, a new future. Experiments show, wishes shared between many, are more effective in turn, as more contribute their feeling. Those wishes develop more *temporal mass*, as I have termed it. Physics demonstrates for us, the affective, ethical, cooperative empathetic basis of properly evolved human interaction as a function of connection, of the kind wish.

You may have a beautiful piece of dream which engenders this hope.

The nexus thought.

We are within the tender meadow. Delicate winded ripples play among the tips of new meadow grass, and as a whisper, the sun splashes upon the silver brook beneath us. Hints of blossom speckle gentle breeze, and all the world is cupped within each ripple of breath, enfolded intricacies whisper, shifting as delicate hands weaving light and shadow, a dappled brook splashes up amongst the shadows.

Within the palm of time, we are sheltered. So beautiful are you, as a liquid jewel, pure and perfect, running and silver, painting the rounded stones with silver cool, your clear skin of light as a stream running over cool stone, laughing. Look, and see the river of time, silver and slipping, cool and light, bubbles speak and retreat amongst the cool shadowed noon of our beginning. Each twig is bathed in light, cracked ice solved in yellow-gold, the leaves of fall tugged loose to paint time's tender curtain in crimson and

gold, so sweet and warm is this evening, cool upon the heat of day. Each second pours ever richer, ever thicker with light, as melt glass flows, stretching and warm within each shadow and leaf, golden and round, clear and full. Look out, and behold!

Each aged maple's lofty crown stirred by an unseen wind; each slipping stream of bright rippled mirror; each shifting wave of tasseled meadow grass; the sweet earth under the melting heart of her yellow noon; the first nook of heaven as she tastes the rouge of dawn; the sheltered sky over each flourishing bounty bestowed and nurtured beneath; each creature basking beneath the arcing warmth of a golden sun, stretches, languishes before you, warm and full, grateful, waiting; each moment opens itself so you may sweetly fill it, with gratitude and warmth; each living thing is within you, bathed in warmth beneath a purring sun, the world fills you, warm within your beating breast, enfolded and enfolding—*Life*.

It is a thought of gratitude, which will change the destiny of mankind.

Now, I will read you a story which will nourish you, and once again, increase the energies of the primary impression of empathy, and hence, transformation and our inborn effortless ethic of energetic expression.

Connection

"Oh my child, come here, I must speak with you and show you the world. The day is warm, and we might see each thing and understand it." Fredrick was a kind father, he seldom spoke above a whisper, his eyes hid the spark of tender wisdom within them, and on such a day as this, it was released and fell into all things. Jacob was a young boy of seven, and his restless heart tugged to go play within the emerald wood, and hide amongst its cool shadows of scented wind. His father looked upon him and the day, and spoke: "I promise, we will walk in a moment, here—oh, I can see it is of no use, we will walk immediately!"

Ah! The boy's eyes sparkled as his, and he knew he struck the chord rightly, for this was a day for the song of life, a sparkling wine one can not resist, capricious and light with chance. Into the damp morning which lay concealed within the tender cupped shadows and its web of tangled light they did travel, Fredrick but young once more, filled with the liquor of light's essence, he began: "Look, into the deepest corner of shadow, there, can you see something moving above the head of each branch, so dark here within the webbed shadows." Silent as a shadow's breath, they did peer, breathing but hardly, and in the still, the first ray of light did slip through the uppermost arch of sheltered sky, and the young one beheld with sharp young eyes, what wisdom did sense with ease. An owl, fell as a flake of snow, in gloved silence, as smoke falling, soundless and distant, falling closer, and then away, soundless and majestic is the sound of breath held, falling, amongst the first shadowed tangle of cool morning. "Father, how did you know, I could hardly see it." "Shhh... Can you *feel* it. Imagine, sweet one. I do not know, I am. I feel. You already know this, but in silence is magic made naked before us, and then we may

learn, a magic gift is not a gift nor magic, but an uncovering of what is. I am. Here....I ask you in silence, do not reply, simply answer by doing. Of the sight you saw. Can you feel it?" And in silence, he did think upon and within the moment of silence, of flight, and was within it. "Yes father I can." A smile warmed within him to know, it was true, the boy understood, he felt that which he saw, and was part of it.

"You please me greatly, my son. Here, let us walk." And into the deeper forest, where dawn was finally breaking the web of fingered shadows, the world began to glow from within. Over the distant hillside, through the branches they saw a flicker, and Fredrick moved toward it, slowly, easily picking his way through the tangled brush, knowing as if by sure knowledge what he might find. Into the clearing they did travel and sit in warm meadow grass, swimming in noon's summer, the cool tangle of branch and shadow left behind.

His eye did gaze and the younger's follow, and then, the doe did venture, unaware of them, her tender hoof silent amongst the soft moss at the forest's edge. And in a look of love silently cast, the boy did understand his father's meaning, for within a glance is the fullness of a thousand volumes. Within feeling's tender glove the boy did find himself within the doe, and knew her, and he found that she, was made warm and affirmed by his feeling, somehow, this must be true, and he spoke of it: "Father, I did find myself as the doe and within it, and now, I feel somehow that I love it, and know it, and have filled the animal, so tender and kind, with warmth. Is this right?" "This, is the higher knowledge. You, are a man, of tender years, but, a man. We, are becoming very much alike, small one." His eyes were swimming in tears. Then, the breath of happiness again spent its sparks, and he did speak: "Now, that which is within and that which is without, are one. This, is true. Open your heart, your feeling, and allow the world within you, to fill you, and you it, as you did the doe."

And within the moment's spending, the world did unfold within his open heart, and fill him, and he did pour within all things: each tender shadow and branch, each hillside and rolling curve, the tempestuous sea, the winds of storm and cool, the deserts and animals within the forest and all the creatures and land were within him and did fill him, as he did return unto them all which he was, now, the twig of snapping youth broken, the streams running and flowing over the tender bank did fill him and know him, and were themselves—affirmed.

In silence they did return to the world, and were within that which they did see. Now of the world, within and without are but song, verse, made real and spilled into light and back round to fill knowledge, so is wisdom but love and caring, the light and marrow which fills, and connects all things.

Nothing is separate. We are all children of light.

I have some splendid news for you: the problems of mankind are solved. Human want and suffering, are a thing of the past. The technology and science, are here, now, and what is not, can easily be obtained through research into areas I will specify. The physical difficulties of mankind, from the scourge of pollution and the need for abundant cheap clean energy, to his medical difficulties and their related suffering have been solved and so, the immeasurable toll of human misery is now, or soon will be, swiftly ended. The age of human misery, is gone.

As a man who is passionate about the elimination of illness and depravation, I have discovered specific pieces of science which will solve the problems of humanity, and in some cases existent technology and theory which has already been applied and brought to fruition, in order to accomplish the seemingly impossible, and cheaply bring us clean energies and fuels. I am quite entirely certain, the illusion of human want and misery we see all around us is a sad reality held in place through the suppression of medical and physical science. I will reveal the suppressed information here, and announce the end of human misery may be found in but short moments, to openly acknowledge and look into these places, into *these* areas. If only a small portion of what I have discovered in the sciences is found to be applicable, my claims will be proven out. I will avoid technical discussion, and refer all those interested to papers and references presented at the end of this section and in the associated literature.

The reason you are not already aware of what I am about to disclose to you, is that the information has been suppressed and hidden by those who would, and do, make astounding profits through maintaining the status quo, as well as other concealment due to the covert practices of government agencies.

The human and environmental tolls of pollution and the limits placed upon our future development through dependence upon costly resources are enormous, the specter of want looms as a dread shadow, covetous of the future. It need not be so.

The physical sciences are riddled with errors and assumptions which once corrected, lead us toward a future of abundance and plenty, unhindered by excessive greed, or costs. First I will discuss a new molecular species, and then present clear facts concerning the actual hadronic structure of the neutron. These suppressed facts concerning clean fuels and the neutron were discovered by a physicist named Santilli. Do not believe the lies spread concerning this science, lies designed to hide the future of mankind itself. Here, within this one approach to creating clean burning fuels we see the answer to pollution, and a new source of cheap plentiful fuel made from waste chemicals or even sewage, possessing the energetic qualities of gasoline. This fuel, actually produces oxygen in the exhaust products remaining after combustion. Only one question is of value: does the

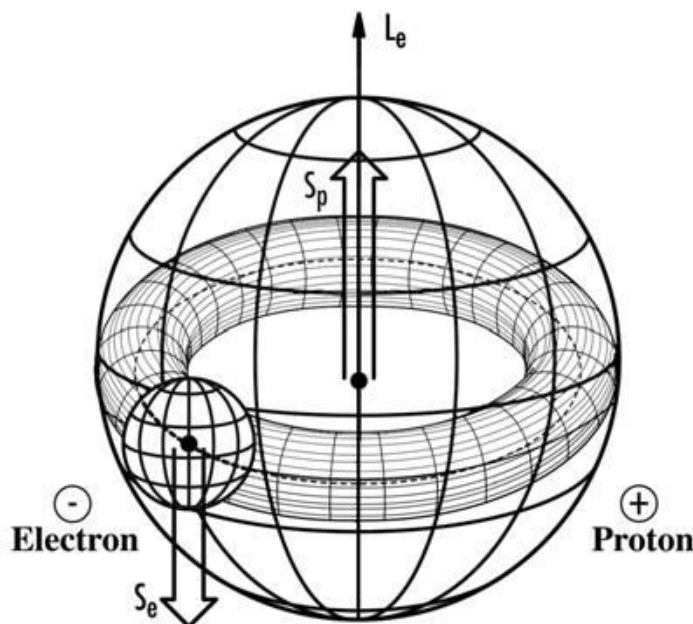
science work? All else, is distraction.

At between 50 cents and a dollar a gallon equivalent cost, no catalytic converter is needed to exceed emission requirements, and we see oxygen after fuel combustion within the exhaust products.

All this magic happens by way of a new molecular species called the magnecule. Magnecular science is broad and inclusive, it is explanatory of many physical phenomenon which have eluded traditional approaches, such as providing us a clear explanation of the hydrogen bond within the study of the physics of aqueous systems, as we will see later. So the first piece of good news is magnecular fuels, which are currently being produced. The public must demand that this science be used to its fullest extent, and these advantages made available. Energy independence and the end of pollution itself might be fostered through the application of this burgeoning new science, where waste chemicals, crude oil, or even sewage may be used to produce clean burning, cheap and plentiful magnecular fuels. Please request scientific proof. All which you hear proclaiming the urgent need to destroy the beautiful delicate earth, for energy and the filth of oil, is simply, a lie. Money and greedy deception have concealed this promise. There never need be even one more vile oil well set into the tender earth, again. The time of ugly pain and sick want, is over.

Next, you should know that there are many falsehoods within physics and medicine. I will chose just one further example within physics. We will discuss very briefly, the neutron. There are no quarks within a neutron, that is false. To know that, could allow us yet another way to create clean power, and perhaps, end the problem of nuclear waste itself.

Please see the references at the end of this section and within the associated literature, and know, this is a neutron!



Used with permission of R. Santilli.

The hadronic structure is that of an electron bound within a proton, not that of quarks. We may then with that knowledge create clean nuclear fuels called hadronic fuels and perhaps, put an end to nuclear waste itself, using stimulated neutron decay. Please see the references for details concerning Santilli's hadronic science and chemistry. The future is here, now. Let us demand that it be realized, rather than suppressed.

Also, I will refer you to work which is closely associated with Tesla that contains a new solution to the equations of Maxwell that has been suppressed and concealed. If you enjoy science, please do examine it! Within this concealed science you will find the end of human want itself, waiting to be uncovered. How little work is needed to hold in your hand, Tesla's dream. I have found it for you: The pathway leading to unlimited power, with no pollution. Only a little work and research needs to be done, to complete what should have already been the province of mankind for some 70 plus years: clean, pollution free unlimited energy. Let the suppression end, now.

Next, you must be made aware of the fact that Big Pharma itself, the drug companies themselves, are in charge of medical science, in terms both of its legitimate publication and its funding. The entire of medical science is long cast under the shadow of deep and profound corruption. How shocked I was, as a believer in this science, to discover the river of blood and money which supports the medical sciences. The deaths which sustain it, are all but incalculable. I will reveal the hope it has concealed here. Let the new day, begin.

Cancer was first cured by technical means in 1934. Cancer has long been cured. Death, has been allowed to run rampant consuming us...for the love of money. Money, no more disgusting or divisive pursuit can be conceived. The object of all lower appetites, is filth, money: mark of the inferior. I will speak briefly here, of the suppressed cures.

Royal Raymond Rife first cured cancer in 1934, as well as many other diseases. The equipment and science were seized, concealed and/or destroyed. The man's reputation, this supreme benefactor of mankind, humanities' true genius, much as that of Benveniste, and now Montagnier, was falsely disgraced and the work ruined, to create misery and pain for all of our race, and of course, great profit for a few. Now, years later, millions profit from these crimes within entire industries created to treat, at great pain and expense, diseases which have long been cured.

You will find reference to my recommendations and deductions concerning the best and fastest way to re-create the work of Rife at the end of this presentation. End the suppression and blood lies. Let us follow these recommendations, and cure cancers again, for but pennies! Here, in the 7 million or so deaths a year from the suppression of this one bit of science, we see true crime. Let us answer this state of misery and subjugation immediately, and end the pain and suffering. This can indeed, be easily and quickly accomplished. How simple and bright is our future! The time of human suffering, has ended.

Next, you should be aware of the facts concerning informational allocations within aqueous systems as they produce drug effects. Information electromagnetically derived from drugs, entirely apart from the chemical molecules of the drug, the information alone once placed within an aqueous medium acts just as the drug from which it was derived. The implications are staggering. My team and associates have conducted experiments and affected cancer cells, and resistant pathogens, which respond as if they have been exposed to differentiating agents and antibiotics, although they have not. Electromagnetically derived molecular information, could replace expensive toxic drugs! All—the rich and the poor alike, would benefit! We are currently researching dopamine information as it may help depression and Parkinson's patients, and informational narcotics to treat chronic pain and addiction with no drugs, but with molecular information alone. Cheap, and effective, non toxic and safe drug effects! This approach uses the physics of biology, water, and the human body, alongside information theory, to replace drugs themselves! No more toxins, or high costs. Please see the last section of this presentation and literature for the actual science, and understand the details for yourself. This must be developed, and our new day summoned.

Lastly, I will speak of the suppression of pharmacology derived of cannabis. Cannabis was a foundational medication and foodstuff throughout human history. Our supreme benefactor, cannabis, provider of fuel oil, methanol, cloth, and paper, medicine and healthful protein, this mainstay of human pharmacopeia was made illegal behind the back of the AMA with lies and tricks, to the benefit of industry, and to the detriment of the forests and earth: a criminal deception set up between government, big oil and banks, alongside profit seeking by DuPont looking toward future paper production from acid bleached tree pulp. This suppression of cannabis for paper made from trees, synthetic fiber and oil, spelled the death of the forests, and left disease to run rampant. The historical, medical and pharmacological details are in my books *Future's Mirror*, and the *Answer*. Cannabis was made illegal with lies, and legal tricks.

As this was happening in the thirties, the fact was already clear, this plant contains within it, amazing curative powers! It cures and treats diseases, including cancers. I researched thousands of technical papers. I located the methods of cure, crude, yet, apparently effective, and have supplemented them with further technical analysis. Let the suppression end, now. Read: *Future's Mirror*, read *The Answer* and know. In those books you can see hundreds of studies, deep detail down to the level of our human genetics and nervous structures, look far back into 1.2 billion years of evolutionary depth and phylogenetic influence which created this patient miracle ... and know: Cancers, and many other diseases may be cheaply and effectively treated, using these exact methods. This, is our human evolutionary promise made real; ripe and ready is man, for a future. The evolution of man has been wrongly hidden beneath lies and suppression. Here my friend, look into my eyes and know, it is true. The time of human want, suffering and misery, has ended.

For information regarding R. M. Santilli's Magnecular fuels and science, see:

Fuels with Magnecular structure, R. M. Santilli:
<http://www.i-b-r.org/docs/Fuels-Magnecular-Structure.pdf>

For information concerning Santilli's Hadronic Chemistry and associated approaches to clean energy and other vital topics, see:

Foundations of Hadronic Chemistry, R. M. Santilli.

Free:
<http://www.santilli-foundation.org/docs/Santilli-113.pdf>

Hard Copy:
<https://www.springer.com/us/book/9781402000874>

For information concerning the correct internal Neutron structure and implications, see Foundations of Hadronic Chemistry (above) and the following, available at:

https://www.researchgate.net/profile/Rich_Norman/publications

Hadronic paradigm reassessed: neutroid and neutron synthesis from an arc of current in Hydrogen gas R. Norman and J. Dunning-Davies, 2017, Hadronic Journal 40, 119-148.
https://www.researchgate.net/publication/317267278_Hadronic_paradigm_reassessed_neutroid_and_neutron_synthesis_from_an_arc_of_current_in_Hydrogen_gas

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https://www.researchgate.net/publication/320193061_Experimental_Confirmation_of_the_Synthesis_of_Neutrons_and_Neutroids_from_a_Hydrogen_Gas

For information concerning Rife and cancer, and how to best approach re-derivation of the suppressed cures, see:

An open letter regarding Cancer. R. Norman, J. Dunning-Davies.
https://www.researchgate.net/publication/308780755_An_Open_Letter_Regarding_Cancer

Regarding informational allocations within aqueous systems in replacement of toxic expensive drugs, see:

Quantum Information Medicine: Bit as It—The Future Direction of Medical Science: Antimicrobial and Other Potential Nontoxic Treatments, R. Norman, J. Dunning-Davies, J. Heredia-Rojas, A. Foletti, 2016. July 2016 World Journal of Neuroscience. 6(6):193-207 DOI: 10.4236/wjns.2016.63024

https://www.researchgate.net/publication/305343138_Quantum_Information_Medicine_Bit_as_It-The_Future_Direction_of_Medical_Science_Antimicrobial_and_Other_Potential_Nontoxic_Treatments

The informational magneucle: the role of aqueous coherence and information in biological dynamics and morphology, R. Norman and J. Dunning-Davies, 2017. As published in the American Journal of Modern Physics Special Issue: Issue III: Foundations of Hadronic Chemistry.

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Information concerning the treatment and cheap cure of many diseases including cancers, using the incredible storehouse of evolutionary pharmacopeia available from Cannabis, see:

Future's Mirror, Standing Dead publications, O'Brien Or. 2017.

Free version (download this data set, reference version please):

https://www.researchgate.net/publication/318913120_Reference_version_v2_Future's_Mirror_the_endocannabinoid_system_in_human_pathology

Hard copy on Amazon:

https://www.amazon.com/dp/1975945271/ref=sr_1_5?s=books&ie=UTF8&qid=1507899703&sr=1-5&refinements=p_27%3ARichard+Norman

For new solution to Maxwell's equations leading to the end of human want, free power, and the repair of neutrino theory: Energy and matter creation: The Poynting Vortex (Hadronic Journal, pre-print) March 2018 DOI 10.13140/RG.2.2.21002.16329

https://www.researchgate.net/publication/323839758_Energy_and_matter_creation_The_Poynting_Vortex_Hadronic_Journal

For all topics, read The Answer: Roadmap for a New Humanity

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So, as you can see, our future is bright. The problems of our race and times, have ended. We may end the human fixation with war, fill up the emptiness within mankind, and provide for his needs. We may end the guilt which has trapped our race, and ascend, effortless and weightless is the future. Within our very essence is a pure heart, ethics themselves are the very center of our being, for we are connection to all things—Feeling, and warmth. It is in warmth and kindness, that our ascension begins, a filling up of all empty places, free and guiltless is our beginning, and our present. Heaven, is now. How deeply I do care for you. I will shelter you, and again speak our name. We are the children of light. This whisper is more than mere poetry. For there are others, who are not as we. You must be made aware of certain truths, and help me. Please listen.

We must face, and defeat—darkness.

Darkness and light, what do I mean by these bits of poetry? Light is life, the life force, eros, energy and warmth, that which is open and giving, that which has no secrets and openly welcomes all toward its tender breast. Darkness, is that which seeks to harm, conceal, control and murder: the death drive. Light, is Eros; darkness, is death. Concealed, turning and weak, death hides within folded shadows, lurking and vile, slippery is the lie. I have found it, and clearly see how to rightly defeat it. Do not be afraid. We must first look upon the crimes, to defeat them. First: We will speak of geoengineering: the spraying of poisons upon, and the irradiation of, all living things.

We live in a new age. The age of hyper-crime. Think of the Nazi's and their crimes as an upper bound, a limit to the term crime. Past this point, we see a new sort of super-crime, crime over the limits of crime itself, criminality so severe and deadly, so fantastically cruel and effective it deserves a new name: Hyper-Crime. Geoengineering is hyper crime. Crime well in excess of the holocaust. The killing of all things. I will prove this to you.

I invite you to read *The Answer: Roadmap for a new Humanity*, and the text associated with this video series for further details, citations and additional proof.

Technology has been deployed which has poisoned all living things upon this tender sphere we call Earth with toxic metals, and, allowed radiation to bathe the earth's delicate surface. The technology conceals damage caused by and is part of an illegal weapons system. This, is the cause of global temperature increase, a weapons system, and the technology used to conceal it's effects, including deadly radiations blocked through the production of toxic metal infused clouds. Ionospheric heaters burn the tender sky, satellite systems produce microwaves and heat, and in plain fact: elaborate weather related weapons technology is now already long in place, and the result is plain: Death. Human death, and the death of nature, such as I hypothesize for good reason, the dead great barrier reef, the poisoned oceans, or in human terms the many deadly cases of Alzheimer's in England. Please see the literature for the details. Unless we address this: Your children have no chance. If the present rate of radiation increase continues forward unabated, it is estimated that in 7 years, life on Earth will begin to suffer the last contractions of pain and soon be extinguished. This technology was deployed in secret.

All the world is now infused with toxins—aluminum chief among them. Autism, cancers, bone diseases, Parkinson's and Alzheimer's: dementia. I will now present evidence, and encourage you to read the related texts closely. First you may see evidence of the toxins sprayed upon us. This is the result of a test of fresh water left out for a week. Note the many metals collected entirely from the air. I live in the woods, far from any industry. However, planes spray toxins upon my family, coal fly ash, industrial waste, and those toxins are cumulative, now measurable in substantial quantity. The weapons concealed are illegal, plasma weapons which surreptitiously poison all the world with ionizing radiation and metals, against US and international law.



You may see the radiation readings. Please note, UVC radiation should never be on the earth's surface, it should be stopped at around 35 Km atmospheric height via ozone interactions.

New readings of 60 have been obtained in winter (Feb 8, 2018); then 68 (Feb 26, 2018), and 72 (in Mid-March), 77 April 10th, 87 late April; the above UVC reading is from fall, indicating ongoing ozone damage. This massive damage has just been confirmed in a large study.

Next, you may see evidence of the world wide nature of this hyper-crime (with permission of GeoengineeringWatch.org).

What experiments are governments around the world carrying out in our skies without the knowledge and consent of populations?



NASA satellite image of the California coastline (radio frequency / microwave transmission manipulation of aerosolized cloud cover / marine layer).



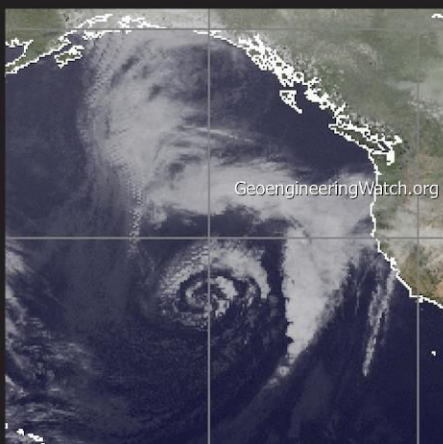
NASA image taken of African west coast (radio frequency / microwave transmission manipulation).



An aircraft dispersion of climate engineering particulates is manipulated with radio frequency / microwave transmissions. Palm Springs, California. Photo credit: Ron Morgan



An existing atmospheric saturation of climate engineering particles is manipulated with radio frequency / microwave transmissions. Port Washington, New York. Photo credit: Matt Jared.



NOAA satellite image, radio frequency / microwave transmission manipulation of Eastern Pacific storm system



NASA satellite image, radio frequency / microwave transmission manipulated square cloud formation

How unnatural do our skies need to become before populations begin to look up and investigate?

Yet more damning excerpts from the 750 page US Senate / Federal Weather modification document are below:

CHAPTER 10

INTERNATIONAL ASPECTS OF WEATHER MODIFICATION

(By Lois McHugh, Foreign Affairs Analyst, Foreign Affairs and National Defense Division Congressional Research Service)

INTRODUCTION

Recent years have seen increased international awareness of the potential benefits and possible **risks of weather modification technology** and increased international efforts to control such activities. The major efforts of the international community in this area are to encourage and maintain the high level of cooperation which currently exists in weather reporting and research and to insure that man's new abilities will be used for peaceful purposes rather than as **weapons of war**. This two sided approach is evident in the activities of the United States which has strongly encouraged and supported cooperative efforts to gain knowledge of the weather and at the same time has endeavored to restrict the use of this knowledge to peaceful purposes through the adoption of international agreements.

Weather research and reporting has long been one of the areas having the closest international cooperation. Because of the global nature of weather systems, making the prediction of weather in one area dependent on reported weather in other parts of the world, cooperation and exchange of information and techniques of weather research and reporting are necessities. **This cooperation transcends ideological differences and hostilities.**

International cooperation in the exchange of ideas on and methods of weather modification has also been extensive. Many well attended

CHAPTER 12

ECONOMIC ASPECTS OF WEATHER MODIFICATION

(By Warren Viessman, Jr., Senior Specialist in Engineering and Public Works, Congressional Research Service)

INTRODUCTION

Several weather modification processes have economic implications of great significance. Many sectors of agriculture, industry, and commerce may reap benefits or sustain losses as a result of shifts from historic weather trends. The difficulty is that until the technology is more highly developed and control systems perfected to permit reliable predictions of outcomes, attempts to quantify benefits and costs will, in many cases, be more academic than practical.

The Commission also recommended that greater use be made of statisticians in analyzing Government-sponsored research in weather modification and that statistics be given greater emphasis in related academic programs for meteorologists. In addition, there is a need to assess more fully the social and economic implications of weather modification experimentation, and all agencies engaged in weather modification attempts should give attention to the social implications.

With regard to the legal system, the Commission recommended that the Federal Government be empowered by appropriate legislation to:

- (a) delay or halt all activities—public or private—in actual or potential conflict with weather and climate modification programs of the Federal Government;
- (b) immunize Federal agents, grantees, and contractors engaged in weather and climate modification activities from State and local government interference; and
- (c) provide to Federal grantees and contractors indemnification or other protection against liability to the public for damages caused by Federal programs of weather and climate modification.

The yellow highlighted statements on the document above are of particular interest. In summary, this US Senate document calls for the complete cooperation with NORMALLY ADVERSARIAL NATIONS due to cross border ramifications from climate engineering. All major powers are colluding, collaborating and cooperating in regard to the ongoing climate engineering crimes and coverup.



Nyon, Switzerland. Photo credit: Romain Silvestre



Livingston County, Michigan. Photo credit: Lyn Connolly



Knoxville, Tennessee. Photo credit: Marla Stair-Wood



Palmdale, California. Photo credit: Petie Cepeda

Climate modification and microwave transmissions

Populations are blindly accepting and ignoring the dangerous radio frequency / microwave transmission towers that are increasingly being constructed throughout our country (and the world). If you thought transmission towers were only for cell phone signal repeating, this is not the case.



Radio frequency / microwave transmission towers in Redding, California. Photo credit: Jovyde Wigington



The massively powerful HAARP ionosphere heater transmission facility in Alaska.



Sea based X-band radio frequency / microwave transmission platform.



SBX transmission platform interior transmitter.



This NASA satellite image taken off the west coast of Africa reveals extensive microwave transmission manipulation.



This NASA satellite image clearly reveals many overlapping radio frequency / microwave transmissions in aerosolized cloud formations.

The ongoing atmospheric aerosol spraying and microwave / radio frequency transmissions are wreaking havoc with the Earth's life support systems and human health.

You should understand the contaminants used to create cloud and other effects have been proven quite exactly, proven to a 99 percent confidence interval to be a cheap, toxic industrial waste product: coal fly ash. Please see the references cited in the accompanying text. Lead, cesium, aluminum, strontium, barium, thallium, which is rat poison, and toxic fluoride are all contained in fly ash. This crime has poisoned many continents, and claimed the last years of countless lives. To have found it over my home, and observed the effects and resultant illness in my self and my family, inspired me to identify the contaminants, a job as it turns out that was already accomplished by a fine scientist J. Marvin Herndon, whose work is often suppressed as it proves an airtight case against the US government which is clearly committing crimes against humanity. Please see the accompanying materials. These poisons mimic normal aging. This poisonous, devil's trick takes the last years of life.

I conclude we see one of the largest crimes ever perpetrated. Considering:

At—LA: 3.976 Million population and San Diego: 1.407 Million population—

We may estimate a conservative total of over 5 million people. Let us reduce the likely twenty years of life taken from each citizen to ten, and find a conservative figure of 50 million years of life stolen by geoengineering in just those two cities! The contaminant analysis is at 99 percent confidence interval. To consider the demonstrated worldwide population effects I (being of Jewish descent) deduce: this is a crime against humanity, larger than that of the Nazis. Hyper-crime. Now we know why Alzheimer's dementia is the number one killer in England.

Again, I will closely note that the biome, meaning life on earth has seven years remaining at this rate of radiation increase, before it is burned away. Do not fear, I will show you how we may right this, and claim our beautiful future. I will not allow this to harm the earth, or you. But first, we must consider another hyper-crime.

The very most precious of all gifts bestowed upon the present, are the riches of the past. Self-evolving and rich in history, ours is the most fortunate and beautiful of all promises! Our genes contain gods and goddesses, archetypes and learning, the treasure of eons is within us, waiting for the next piece of the puzzle to complete. Evolution, is but reflection of time's perfect wisdom. Each moment, is but a ripple upon her perfect, patient depths. Evolution.

The mirror of ages. No more exquisite thing can be conceived than the intricate enmeshment of poetry and design, a delicate web drifting in tangled breeze, shimmering in reflection upon rippled waters, a silver question wavering and intricate, each thread ripe with patient purpose and beauty, ripe is she, this child of the ages. Within the present an image stretches, a hand and palm upturned to welcome and nourish, in kindness, so is the bounty time has cast but the dust of eons, as time crumbles, but the hollow sand within which the root of all perfect worlds is struck. So is her magic, but the virtue of the most delicate threads of patience.

The shores of time are rich with treasure.

Oh it is true! Here, listen to only a short bit of the list of diseases treatable and even curable with a single plant: cannabis, and know the amazing gifts of evolution, and the precious genetics which hold her delicate treasures! Cannabis treats or cures:

Allergic conditions

Asthma

Autism

Bipolar disorder

Brain Trauma

Cholesterol

Cystic Fibrosis

Dermatitis

Dystonia

Fibromyalgia

GERD

Herpes

MRSA

ALS

Alzheimer's Disease

Arthritis

Atherosclerosis

Breast cancer

Cervical cancer

Colorectal cancer

Glioma

Leukemia

Liver Cancer

Lung Cancer

Lymphoma

Melanoma

Neuroblastoma

Oral Cancer

Pancreatic cancer

Prostate cancer

Squamous cell carcinoma

Thyroid cancer

Colitis

Depression

DIABETES

EPILEPSY/ SEIZURES

Heart Protection

HIV/AIDS

Parkinson's Disease

The most precious of all gifts, is the perfection of time's eternal unfolding. DNA, so complex and parsimonious, so rich with the patient gifts of ages, bestowed unto this moment. This, is the richest gift of life: her past, made present. Life itself. The most intricate tapestry of design. DNA.

A few dark facts:

1969 Dr. Robert MacMahan of the Department of Defense requests from congress \$10 million to develop, within 5 to 10 years, a synthetic biological agent to which no natural immunity exists.

1970 Funding for the synthetic biological agent is obtained under H.R. 15090. The project, under the supervision of the CIA, is carried out by the Special Operations Division at Fort Detrick, the army's top secret biological weapons facility. Speculation is raised that molecular biology techniques are used to produce AIDS-like retroviruses.

1970 United States intensifies its development of "ethnic weapons" (Military Review, Nov., 1970), designed to selectively target and eliminate specific ethnic groups who are susceptible due to genetic differences and variations in DNA.

1975 The virus section of Fort Detrick's Center for Biological Warfare Research is renamed the Fredrick Cancer Research Facilities and placed under the supervision of the National Cancer Institute (NCI) . It is here that a special virus cancer program is initiated by the U.S. Navy, purportedly to develop cancer-causing viruses. It is also here that retrovirologists isolate a virus to which no immunity exists. It is later named HTLV (Human T-cell Leukemia Virus).

Now it has been admitted, they have done it. Gene splicing and gene drive technology, are being and have been funded by the military. Ebola has now been engineered into an airborne transmittable pathogen, and undoubtedly there is far worse which is under the seal of dark secrecy. The death drive, darkness, has claimed the tapestry of life itself. They have mutilated DNA, and with a gene drive, deadly or pathogenic changes can be forced through, and entire species, or perhaps races, can be eliminated in a single generation, and/or wretched diseases created, and unbearable suffering, brought to the race of man.

These weapons mutilate and kill...life.

Darkness:

Unchanging and unable to resist himself, man tends the vat ever thicker with the broth of threat and blood; in peace is war a tender keeper?—intermixed and vile is the lie, always craving itself, cutting into the heart of itself, festering and rich with greed, gladly drinking the blood of wounds rent into the side of the future. Planes stretch across a pure

sky, and spread money and industry's bowels, thick and rotten, to infect each living thing—from within. How deeply profitable is tragedy, each plane brings wartime's bounty pressed from blood and bone, rich is her necrotic spoil.

Bombs 'shelter us' from war, glowing and impatient are they for bursting. Never before have so many been busily prepared, each now twice potent in its permanence of destruction. Time ticks, and looks, waiting. She is wondering, her brow furrowed; for the tinkering ape, has not gone so far as this—until now. Now it has placed its hands upon the delicate fields which surround the earth, long ago had he sprung into the cold air of space from the fields of earth's grassy meadow, long defiled—now here, he slips his filthy hands around a sacred thing, to control it, to burn it...so it will be broken before him. He does not care that this delicate promise he burns and cuts, is what sustains him.

Darkness, can only be defeated with light. I will show you how. You must help me.

The entire of darkness is itself weakness, a hiding, lying and concealing. We will defeat it, with the blade of light: truth. We are light. We will bring light to each dark corner, and burn it clean. Light. That which is open and never lies, or conceals. We are a blade, which may cut through darkness, and bring light to the sunken places. Our knife, is truth.

We will command and bring light to all corners of dark greed, light spilling over the sunken places, to cleanse them. I have begun. I will tell you how you may help me. Help me, to claim our tender world, and keep her safe. In this, we may earn our perfect future, and begin a new day. For our heaven, is this place, so perfect and right, swept from valley to hillside, in emerald light. So is our deepest right, and our sacred future. You must help me.

I have raised the blade, and now, the international criminal courts have been informed, and each member of the senate has received a letter, and my detailed analysis of the crimes for which they are themselves directly responsible, and also, I have sent them the answers to those same difficulties that they have caused. I have now published in major news outlets the following letter which each member of the senate has received. I have shed light upon the crimes, and held the guilty responsible. Within the letter each Senator received, were these words, words of light:

Dear Senator :

This letter and book are provided to inform you of severe and ongoing crime, and, to offer solutions. The government of which you are a part has poisoned/irradiated my family and the entire globe under the auspices of long deployed geoengineering...see contaminant analysis at 99 percent confidence interval in text provided and also find other proof pertaining to radiation increase. The government of which you are a part has developed genetic weapons, as has been admitted. Please see solutions for problems in text provided. Ask for new chemistry to replace ozone destroyed by illegal plasma weapons so as to avert environmental catastrophe.

The media will now be contacted.

You are to give the following speech, or be held accountable within the public arena:

“I wish to inform the American Public and my colleagues in government alike that geoengineering is a longstanding and illegal practice which is poisoning the mass of humanity. I hereby state, that I will do all in my power to stop it. I state here, that these crimes *will* stop, here, now, on *my* watch. I also hereby state my opposition to all genetic and biological weapons, which are murderous, illegal and cruel beyond any measure. All genetic weapons and biological weapons will be destroyed at once. I look upon you and state plainly: this is a command. This is not a debate. These are crimes. I hereby state, that even the slightest delay constitutes a full fledged crime against humanity, punishable as such. Geoengineering has killed millions, and I will stop it myself, here, and now!”

Thank you for your time,

Rich Norman

I have informed these politicians of their responsibility and clear guilt, plainly stated before the public which they harm, a public that elects them. This is the blade of light. Truth, plainly spoken to all without fear or reserve.

The way you can help is simple. You may help me build the blade of light. I can not do it alone.

We must inform each human, man, woman and child alike, in gentle tones so they may hear us. The blade of light is not a blade as such, it is information no longer concealed. It is knowledge revealed, and open love of this Earth, our precious, moist home of deepest promise. Let us cherish her, and in gentle hands, nurture and nourish our perfect future.

We must use the blade, and expose in clear light, what was concealed, only this will end darkness: Light! Each corner of the globe must know, these things are happening, and know, these politicians have been informed, and so, must be held deeply accountable. I have sent hundreds of books, and derived the correct solutions, I have sent information concerning ozone repair using new chemistry to the entire upper staff of the department of defense. I have sent indictments to international criminal courts. I have set the blade. Now I need you to help me apply it. Information, information must be made available to all: Light! This will defeat them, and win our world. Then, all the public will know: these politicians have been informed and directly held to account, and so, they may lose their jobs if they do not obey. All must know of the concealed poisoning of the earth, and then, they may band with us and we may stop it! Darkness is concealed and weak! We must spill light, information and truth freely as water pours from a heavy cloud, unbound, light as hammering rain, truth and plain fact pouring down to cleanse the darkness.

The blade of light has two parts.

The first part is free information you may read and distribute. Please shower all those you know with freedom and hope, let our knowledge that the age of pain and want has ended spread as waves across water, and become real. I have prepared free books, specific cures and working ideas, analyses, solutions, details concerning the crimes and answers to all the problems of man. Then books of simple verse, and beautiful art with the message. Free text associated with this video, and free versions of this video. All my work is available without cost, as is right and giving. Please distribute it, and let all the world know, the future is bright, should we have courage and caring enough to summon it.

Secondly: Hundreds of ads must be run to inform the each member of the public, and so, hold our leaders responsible. Materials must be sent to many nations and world leaders. Science must be advanced, that will help mankind end its suffering and want. I have established a publicly transparent fund: The Blade of Light. The information and science is ready, and now I must inform everyone, bring the new human potential forward and put an end to these deceptions. An open accounting will be made of each penny. All proceeds will go entirely toward the production and dissemination of information to all the globe, and then, toward the advancement of new science to benefit humanity: All! No profit. I will take nothing. Each cent will be a matter of public record. Only light. All the papers and media will soon bear the words of kindness, and the open knowledge of what was once concealed. Books will be in the hands of all who will read them, and the message of our fact, the fact of a new evolving human and a burgeoning Earth free from want, pollution and war, will be known. Who could resist summoning such a future? The age of human misery has ended! Let our message of warmth and caring, a message of ascension toward a gentle future be known, and made real! Only light will defeat darkness, open and spilling, never concealed.

Please distribute the information, and assist me. Help me build the blade of light. Then, I may take it in hand and with you, we may summon our worthy future. Help me to win us our new day under a perfect blue sky, sweet, warm and welcoming, within a kind nurturing sun. Look upon this vision, the vision of an ascending future free from want, safe, at peace in an honest world, open and bright with feeling—stand with me and let us proclaim:

It will be!

Help me to preserve this precious earth.

Let all know, and freely speak of these things, then act in kindness. Let us nurture this earth, as she has cared for us in turn. It is light, truth and caring which will answer a crooked darkness: as butter drawn in yellow golden sun, now warm, sweet and running. So shall we defeat darkness, and find our home. We are the children of light.

I am light

Within fetid darkness, mute and thick, turning upon itself
I am there.

Each breath pulled, sunken in the dirty pit of hollow doubt, knows me.

As a black fist knots around the tender throat of moments
I am there.

For I am light.

Hear me within the creases of poison wind, so I may unfurl them
And within tender palm, hold you
Hands and palms pressed sweet amongst the moments
Warm and full are the seconds cast between us.

For we are light.

And of what does ending's dank, fear?
Of what is darkness crippled, and of sparked flint shattered?
Your breast pressed to mine
It is this, which they fear.

I am light.

I am nothing, twice vanished into wind
We are within all things, nourishing and full
Are the moments, to know.

We are light.

All which crouches within creased folds, may fear me
All which opens before each question, will know me
All which is, may be affirmed—in warmth.

For I am light.

Within each moment, amongst the glistening threads of time's first whispers,
Each drop, round and sweet, perched upon full lips—waiting—
No longer!

It is this which they fear—the ringing sound of laughter—our name,
May they hear it shine and know us, for it is we that darkness fears
...deep, bright and round are we,
Full to bursting and sweet in warmth is spirit!

Oh how I do love you, singing and broken open,
Chips of spark and light pierce the sunken places
—To know!

I am light.

Let our name ring out, clear and bright are all shining worlds, sprung anew before us
Glad and sparkling, nestled as tears and dew upon the cheek of time.
So are we.

For time is ripe and wise within us, yielding within our sacred wish—a future,
Summoned within drops of light, purring and sultry,
Full and rich in singing sound,
For all things are ours.

Each breath enfolds the seconds ever richer, rich and beating within my eye,
I am free, a vanishing, motion,
—the curtain unfolded.

For I am you.

I am light.

The Last Fall



Richard Lawrence Norman

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Standing Dead—

*Let us cast aside the husk, walk away from that which was
our name, and leave it as a dead thing. Standing Dead are
we—as a tree rent by lightening: now bright and sudden,
we who refuse to fall.*

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The Last Fall

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Dedication:

An ember dying

Soon I will hold my arms wide, in offering.

This is my last gift to you.

Please cherish it, for it is an ember dying.

Once I held you, and we were together, long ago, do you remember, my child, so long past... Nothing is separate. How young is the first heart to beat, but our own, again found and spent, warm and salt rich, life's crimson round, so sweet and rich with promise is every first imagining. So it was with us. Do you remember?

How tender the sound, the pulse of rhythm's beginning, within us both and all the world, but a round whisper twice thick and warm in the seconds' gathering. Reflection, cast upon rhythm, beating, rich and gathering is our wish.

Warm grasses swimming in tender sun, stroked in combs of feathered wind, folding and flaxen sweet are the moments poured between us, tasted, and filled.

We, have created time.

The first drop of morning, caught upon your cheek, tender and sweet, ...golden bronze sun, sweetens the arch of damp moments, where futures rest, and begin.

How I do love you, oh life...for you have cast the stone aside, and the moment is nigh. How much more I do love you to know it. What ending is not double-sweet for each bitter draught stolen?

So, I will give to you, even again...as an ember dying.

My plea:

This work is meant to hold the singular anguish, hope and pain of our race and world. For the last decade I have lived here in the pristine woodland of Oregon, so far from any polluted world. Then something changed. Strange clouds filled my beautiful sky and my mouth was soon coated with dust, my tongue burned. I am a scientist. Investigation revealed the reason: *Geoengineering*. To research that topic led to an inexorable daemon, the truth: the tender earth itself is being exterminated.

We can not allow it to happen.



My home.

I remember when they first hurt her, and began to demean what was perfect. It was six months past or so, when they began. The methods are various. First there were distant jets, and over the horizon something crept, unseen yet present, the early fingers of a hand meant to choke. How beautiful, how fortunate, look! An impossible and splendid sight unfolded for us, a rainbow around the sun, then more, a second displaced to the side, then an arch of color spread out into the sky. But this was approaching summer, and such things simply do not happen in this weather, nor do they happen here in this location no matter the season, as far as my 11 years living here have taught. Then, the effect disappeared and the sky harbored strange new clouds, now no longer her proper blue but pastel and weak, almost white, and soon...grey. Over the next two weeks, this odd

progression would repeat thrice more. What were these strange new clouds, and this seamless arch ...the sky domed over and opaque, or weak and effeminate, pastel and thick, frosted, no longer deep. What was happening?

The sky is always clear in summer, if there is no smoke from a forest fire or thunderstorm, it is clear. I love this sky, I love her, my escape from the filthy world of the city, the idiocy of man and his greed and disconnection, how pure was she, before. How I do miss her. She was clear, a bell upturned, the sound of azure, hollow and deep, singing was she, a song in sight. Then the sickly artificial clouds increased, the streaked filth of man, asymmetrical and vile, the artist a buffoon of the lowest song, a blithering ass is he, this crude 'painter' who dips his brush in filth; these..."clouds"...so ugly and grotesque, so misshapen and hunched, borderless and shifting, lined and impossible...why are they here? I hate them. The real sky, has no clouds in summer! Much less these odd mistaken blobs of masquerading filth. Each day they appear, the dry sky has no milk for them, they lack aqueous content and soon fall apart to deposit their dirty cargo of poison, here. I can taste something, a sort of coating in my mouth, my tongue feels burned, my sense of taste is diminished, my chest now asthmatic from this unrequested..."addition."

My tongue is as rubber meat, always burned as is my wife's tongue, my throat feels half burned and my voice has sunk an octave. Soon we will be quite ill. I know with certainty, I will have to leave my precious land, leave my beautiful stream and allow it to be poisoned. I weep to know it. I also know the land will soon be dead and barren, this precious earth made sick and killed.

One hears the jets at night, or, at a distance in the daytime. It takes around a half of an hour to 45 minutes for it to reach me. I wait, and look at the sky to watch her succumb—to "*The White*." The White is her death, and disgrace.

Her heart of deepest blue long injured and bruised, they apply it again, and again. Over the hill it creeps, a thin slip of white haze slipping between. The white is close to the earth. Soon the haze collects dirty clouds, the filth spreads and clots the day, now withheld beneath a man-made curtain of nucleated atmospheric solar obstruction. These days, the taste is most profound.

I will show you what is at stake, the heart of our future, the future of life. I will show you. It is not lost. Please listen...you must hear me—

Soon the hour will be spent. A few more years and the delicate web of life will be burned away and gone. I have uncovered a grave deception. This work will provide to you the most precious of all things, so you may see and feel, truly comprehend what is soon to be lost.

Can you hold...silence?

—Listen.—

You may hear me.

The tapestry of life's enmeshment is an interwoven intricacy, benevolent and complex the mother of time has slowly, patiently, crafted our home and so provides for us, nested here within the seconds. How delicate is my voice, drifting as web and light across the reflection of time's echo, as a pond holds the memory of each moment's passing within its reflection. Each whisper seeks its nook within the tapestry of moments, enfolded within the entire. Nothing is separate. So perfect and kind is the palm of time, filled and spent amongst the curved shadows, warmed, coveted, spent and tasted, under a warm noon. We merge and gently retreat within my thoughts, held loosely as edges of lace within gentle breeze. So is the intricacy of design and reflection, process and warmth, but a delicacy of the most exquisite proportion, which is itself our world. Can you feel my thoughts trace the edges of the seconds to hold you? This, is life. Between us, we might nurture even a new beginning, or an ending to time's vat of bitter suffering. The future, is but our wish held loosely between the moments. All may be made anew. "*Nothing is sacred.*" So speaks hope.

Just as we may nourish a future of kindness and fill time's hollow between us, the seconds made rich with feeling, so also, may those who are sick and vile with greed seek to corrupt and hurt the delicate tapestry, and destroy it. Kindness, creation, life and warmth are a fearful and repellant thing to those who run this world, so ill are they. They seek to split apart the basis of kindness, and destroy that which sustains us. Then, they may sell back to us some portion of what we once had by right. They poison what is gentle and kind, so they may own it. Our leaders are killing the earth, and we must stop them.

They have injured her fields, the magnetic fields which connect us to her and each other have been badly harmed; they have harmed her tender sky and hurt her by burning her with wretched weapons; they have spit poison into her blue azure bell, and made it into a carnival of wicked pain; they have burned her oceans with pools of acid raining from the sky; they have damaged the delicate ozone, a forth inch thick shadow of gas upon which all life depends; they have engineered particles so small, no defenses exist to stop them from damaging all living things; they have corrupted and split apart the very fabric of life, and poisoned it—so they may own it, and sell the broken tatter back to you, for a profit. So hurtful and wrong are they, that the very planet which sustains us all, will soon be burned away into dust rather than be permitted to flourish. They will own it, by killing it.

They resent—*life*.

I am not certain how many seasons remain. I will share my happiness and pain with you, and we may remember. Let my voice fall into your heart, so you may understand what has been hidden from you, or I fear this may well be:

The Last Fall.



You may have my songs of gratitude and pain. It was not long ago, less than a short year past when they arrived to poison life, raining toxins upon each tender thing. Once life was right, there was a time before all of this. You may know of it:

The Gratitude Song

Oh how early I did climb
To find crushed winter branches
And crumpled silence,
... in still air
Double dry and snapped bright in Dawn's chill.
Early did I find feet to flee the shadows
Even before they had begun their lazy stretch
My breath did gulp at the night
And drink its purple black into my sneaking early steps
Crushed under Night's last sip
Of lonely moonlight.

As the shadows stretched downward
I did ascend to meet you,
To find you here in this place
This shimmering ice shawl of climbing pearls
Jeweled in flecked sunlight, caught purple and white
Rose sparks of Sun's blood and treasures
Caught shimmering
Caught unaware and silent
A thousand winking vanishing eyes of prised frost
Sparkle to carpet the horizon
Cast with pointed liquid jewels
Silent and vanishing
Catching the spark and gone into the whole
Reaching each crystal drop into the light
Splintering it alive
A shard of Dawn in iced gemlight.

Oh my friend
How I knew I must find you here!
Here where our teeth have found their mirrored tears
Spilt starlight once bound fast to black
Now outpouring as the joy it has ruined
Spent pain but happiness spilt
Now awash to warm all fragile iced places
And bring my heart of gladness to the cut chill

Of frigid Dawn
To return Life unto herself,
Warm for cold,
So do I love her!

You too know our secret
How dearly we have bled into the black Earth
Only now to know what might be nourished in our fisted pain
Now unbound and spent to gladness

Poured into the jeweled horizon
Spilt opal, and ruby treasure is our pain
Once unbound from black
Again, silver streams flowing to fill our meadows
A rippled glaze of clear light spattered in silver sun
As jewels outpoured to nourish the blossoming Earth
So is the rain of our pain unbound
Its shuddering trapped places
Freely pouring upward in silver streams of rain
Spilt into Heaven
The clouds nourished and full
Now unbound in glad overflowing.

Oh what happiness I return unto you, Oh Life!
Under no shadow are you cast
But bliss and Death alone are thee!
Into your sky I pour my treasure
Into the ice arch of Dawn
I climb to find you.

As noon did burn
So did I laugh to pull myself
Up closer to the burning coal
So did I laugh at the Sun with you
For we must laugh at our weary step
And step above it!
So did I climb through noon burnt white
With sheets of staggered heat
In laughter did I let them lavish me!
Spend their weary heat upon my glad spirit
So chill and filled with mocking iced air
Snapped blue and splintered
Chipped light and shining air
Cracked silver blue, from the prised glass lid of the world.

So did I climb to find you!

So grateful am I to know of this place
For surely I must find you here.
We must celebrate!
So did I climb higher and faster to find you
Over my pain and past the hungry shadows
Into the purest silver air
Clear and iced with blue ether.

At last I see you, my friend!
Ah!... For I have found you!
Here, where I knew I must
In the purest Ice air
With silver wells of iced light, and prised frost

Cut blue wells and sparked water, warmed by firelight
A melted jewel, an impossible brightness
Poured into form.

Here at last I have found you
Here where we belong—
Over all valleys, pressed crisp and bright
Against the arched blue lid of Heaven...
Oh how long I have climbed, and waited, for this moment
Waited, for this time, to find this place.
Oh how I have longed to see these things
With another, another worthy... one who knows.

Oh Life, in gratitude do I come to you
As the Day does bleed her warm bright happiness
Into the light starved Sky
Hunggrily licking up her slender gift of promise
So have I drunk you in, Oh Life
So gracious and severe
As blood and milk in my saucer
So did I lick you into my soul
So did you purr and glow, scratch and turn within me
Oh Life, how I drank of you!
As a fool drinks, did I consume you
Staggering and stammering as a fool
I gorged upon every outstretched shadow
And knew your sour, and did sicken to know it
So spit you out and cursed you.
But how red and stuttering, silly and ruined
A comic and a spot of sublime madness to spit you out—
For every well is not for every spirit!

Oh how you teased me, Oh life
So gracious and glad am I to know you now
In streams of silver and upturned shadows of spilt light
Splinters of Sun and chill catch my chest and tickle me
And I drink you in
Know the spent Sun upon my lost gratitude, as you,
a gratitude spilled out unknowing of any eye
Or who has been spilt into light, you or I,
So as Life do I repay you
To give the Song up into the air and shine its notes
Hidden in forgotten splendor
Dripping with Sun and Song
A prism's misted brush outstretched
An arch of color swept across Heaven,

From nowhere...
... to nowhere.



Once, the sky was perfect.

How lucky we were, how very lucky. The magic was all around us, and within us.
Please, do not forget. Do not let them take this away—please, remember.

Today

Water slips over rock and sand
A pulse ripples
Swelling
Filled
Filling
Glad and singing is sight
Melody spattered before autumn's spending
Notes silent and pure, silence filled up, with color
Teasing open the seconds, and filling them.

Gold, and splashed crimson
...spilled above into hungry wind
Drift, soundless, through thick glass air
Cupped
In poured mirror
Silver, bright and swelling
A trickling voice
To hold paint and prism
Shorn and spent
Drifting
Pouring up, into the hollow of time.

Can you hear the silent voice
Of light, speaking
Filling each second
With sight?

The scent of smoke and pine
Needles of scented green and azure sky
Stirred into a broth of cloud and drifting wind
Tugging, summer's spending
Emerald and shocked blood
Gold and orange shouts
Sparkling the wind with impossible voice
Silent and shifting
Shuffling, singing and mute
But for the rustle of shifting wind
And blue ice whispers
Scent frozen in snapped wind

Hint at new chill,
Notes
Unheard, and singing,
...pure
Is the music of this world.

The sun may find its ancient fire nested
In distant rippled cool
Spilled into the shining brook
Swelling and retreating into pools of silver voice
And golden mirror.

The tears of bounty, untethered and torn free
Plucked away,
To die and drift
The last song
Folded into prisms of wind
The last moment
Perfect and careless is time
Too sweet to hold
...is the eternal.

Life, is melody
Illusion is but darkness
...turning away
From song.

How full are we within
Her true voice, and deepest knowing.

Hear her speak and know:

Today.



Autumn Song

To have found the song has revealed every reason, rich is each second, as she lives and dies. All around the arbor, the hearth of time purrs and plucks the seconds, as strings dance in melody, she wavers and sheds herself within my eye. How summer did hover, and lavish the wind with thick clouds of heat so double rich, tangled with sweetness and bloom...gaudy and over full is each breath, spent, to taste the rich wind, folded within. The crown of loft and leaf, stirs the arch of dawn, and summons noon to answer a stretching prayer, for the forest is but such a word as this, answered; unspoken. And the time for spending is ripe.

The crack of apples in the cider press, the air is sweet with the fruit of summer's bursting, now gathered and chilled amongst a crackling sky, violet and sudden is the singing sky, this sun of memory, nestled, tugging closed the last threads of summer's cloak, until the jug is full and waiting, sun poured and kept, waiting for lips dry with thirst.

Evening spreads crisp new chill within moments pregnant and damp, the womb of moments swollen and turgid, a cloud filled up with tears and ice. Rain, slips between the shafted strands of evening, and fills the ear; round is the heart of rain, pattering, and spending the sorrow of a thousand wounds, now washed through, cleansed, in sheets of hissing sound and battered noise...a tattered glove, a distant memory recedes, and but rushing sound might fill us, until the day becomes restless, and spreads her golden promise and subtle rouge, the paint of a tethered heart, now freed: to behold the valley, silent and glistening with tears.

The heart of life, has fled, and in grace is loss, the vein held shut; feathered wind touches leaf and branch, swaying, waiting, soon plucked loose. A golden tide of song, flutters to the earthen floor amongst crimson flakes of maple, tethered no longer to the vein of life, now spent, summer's bounty a becoming, a loss, splendid, perfect and wise. The air is filled with noon's broken promise, spent amongst swirling wind.

How gracious is the heart of loss. The seconds purr and flutter, as leaves tremble, and release unto the song, which has ended.

The Last Fall

Within the empty shadow of night, pierced in broken chill, a mist of breath hangs, waiting. Let us taste the empty sky and fill her, petals of rose spilt upon the misted curve of hill and valley, rouge poured thick of folded air, warmed of brittle wind, a hollow question unknown—answered. Bounty, lavish and rich within the second's spending, filled as sweet glass poured, clear salt tears, but light tasted, rich within knowing. Oh life, how giving are you in bitter absence, stark and frigid was the question, now filled? For within the broken question of night, is dawn's imagining. So have you taught me.

It is not yet gone. We may still share this thing.
To know of ending, is to cherish.

The snap of morning light, silver sun spilled as prism sparks broken, singing and shifting, spattered over the awakening hillside, the first notes of morning, platinum and brittle, iced splinters once hid in folds of broken ink, cracked alive and dancing, cracked awake, no longer brooding and winking beneath a platinum moon.

Night's ending, scattered as broken mirror across the horizon.

Let us never forget: we have seen this thing.

How gracious and subtle, unsure and retreating, bashful and shifting are the first breaths of light spilled upon the sleeping meadow, gilded in frost. I do remember you, tender valleys rich in early smoke from fires set before the spark of dawn. Once and often we were set down before the banquet of careless moments, before we had knowledge enough to cherish them, spilled sweet and unknowing, so was time, do you remember? Once, we imagined even, that there was enough. How foolish and careless is happiness, before knowing.

But, it is not yet gone. We may still share this thing. Once more.

How lucky are we,
—for we may yet hold the tender act, and become.

Night's hollow valley of platinum schist, receives the first petal of warmth. Day's awakening.

Let us never forget, what was precious.

Let us walk beneath the awakening sky, and fill the horizon with hungry questions and beautiful dreams, as if we did not know.

Each tender glance returned from an awakening sky; the day is fresh and unknown for the train which follows, oh how perfect were all careless imaginings! Time's tender eye does love us, and cherish us in kind reserve, retreating as shadow and light amongst the

scent of snapped branches and frost, crushed beneath eager footfall, ripe and willing before the trove of moments, so is each day cut fresh of frost and prism...but warmed, solved in noon's swimming heat. Sultry and innocent is each moment, but nourished from within are all things, now spilt out and glowing as the coal of dawn, full and rich, glowing beneath purring sultry winds. A perfect wish, filled between us.

As the breath of a shadow, touch follows thought...too delicate to taste.

From whence did warmth arise, unnoticed? Noon is but dawn's wish, sweetly filled.

And into the valley the sun did spill within each corner and sharp place, now round and full with warmth—glowing.

Let us never forget, we have seen this thing. Oh life, how grateful am I, even in the last pinched shadow, you remain. I will always seek you. For this alone, is gratitude.

Behold!

Rich and arching is the sultry hillside, burgeoning and full are her winded ripples, double-ripe, filled with honied fruit; sweet and turgid, over full and careless, pouring her voluptuous bounty as spilt wine, the wind twice brash, thick and florid, delicate and silly rude as a child's laughter runs silver over bubbled stone, so is this morning but rich, spilling, prankish, innocent and giving—now full and warm, unfurled within thick light and tangled scent; smokey, rich and beating, here, held, coveted amongst shadowed cool, nurtured, sustained amongst the damp glove of fall shadows.

Please, do not forget. Remember. *Remember.*

We have seen this thing.

For it is this, which has been lost.



Interlude:

As I climb toward the noontime sky each step draws me higher, closer to the distant peaks. I pause, and look out over the valley within which my home is cradled. An amazing proliferation of motion and intricacy fill my eye, and life's enriching tapestry unfolds for me a vision of stunning clarity, each leaf and edge a painting etched in precise color wavering within a single wind, coherent and unified, yet, variant in the exact response of each leaf, and so, as a fractal relation in a multi-fractal system always tiny distortions added between the movements of one leaf to the next, the infinitesimal asymmetry of response creating a voluptuous effect, an effect as beauty is found in the asymmetrical distortions of classical Greek architecture, the errors are not errors, they are an essential intentional ingredient which creates beauty from the mundane, so was the breeze stroking the leaves of oak which dotted the distant hills, and I could see...all of it, from these many miles distant, now there within the sight, looking, watching...everything.

And there was more laid before me, hidden in plain sight and at the closest scales: Floating clear web tasting the breeze, the last drops of dew as round hearted prisms spattering the sun into giddy shards and then, a single leaf: within the intricate woven fabric of vein and fiber brocade, I could see the smallest structures and imagine the cells beneath, and so enter a labyrinth of detail and perfect intricacy, intimate and complex beyond measure—I am inside the maze of branched vein and green tissue, walking through intricacies of dendrite like webbing, and may look, and live, within the labyrinthian complexity and imagine the Minotaur awaits, a covetous aphid guards a drop of clear dew it has extracted from the vein of the world.

Oh how warm, intricately woven, changeable and subtle is life; health itself is a process, an evolution within the present toward the unknown.

Today they were here, my very favorite creatures, the striped fuzzy caterpillars. They are magnificent. So energetic, burrowing through the grass, traveling somewhere of the very greatest importance. Each is covered in orange and black stripes, three in most cases horizontally arranged with orange typically in predominance around the middle. They crawl through the dew soaked grass, their fur covered in thick drops of contamination, the mist is deadly, each drop fat with pain. I watch them lovingly, covered in pain's dew, life's promise and intricate purpose, so precious. In a few years, they will be gone. No more beautiful little creatures. What is tender, will be burned off. The bees are dying. Sick of aluminum, they lose their memories, as you will lose yours, confused and suffering from dementia and Alzheimer's disease. The entire of the human race and all of life is being experimented upon. This is absolutely, positively the case. Read my works, and know with certainty. You have been deceived.

You have not yet seen it—this curse which has been spread upon the bounty of life to sicken—but I have. I live in an unpopulated area, and the poison falls—here. In time, it will be raining down upon you too. In fact, it already has been for years, although in lesser amounts. I have written a book with all the details. Please study it and confirm all my facts, the patents and papers, double check and satisfy yourself as to the accuracy of each fact. You will understand, I am quite correct in my warning. Find that book linked at the address below this text. Please distribute that book and this one as well. Give it to everyone you know. Our only hope is to make everyone aware of the fact that *geoengineering is and has been poisoning life on earth*, and soon a critical point will be reached, where it will be too late. Only a few years remain. All must become aware or soon, this precious life and earth, so filled with every warmth and tender promise, will be gone. The hour is nearly spent. Please, give away the free versions of my works. Give them away. Each and every human must become immediately aware of these crimes and refuse this madness with all due force, to shout as a single united human voice:

NO!

Tests of my rain water, crops and medicine revealed why I was becoming ill: heavy metals sprayed into the air and clouds.

My sorrow

As gentle fog,
a smear of poison
...floats;
lingers, upon the tongue
—turning and sick within all things.
This is our air, our lives.

The woodland, hangs,
silent,
within a sticky glove.
Yes, I have lived long enough
...to see this thing.



I am but a single voice, thin and frail I stand alone, a fire in the sun consumes itself,
reaching toward you, for it is too late: my heart has burst.

Samson's Heart

Through the deepest forest Samson did walk, his stride turning the earth beneath him. Each leg broad as old oak of a hundred years, arms as trunks of maple. Eyes of sharp splintered flint, he was the most terrible force which had brought right unto this world, since its dim age of earliest foreboding.

Unto the good was his heart stitched, for not his locks as was told in fable, but within his beating breast was his strength. Each stroke of blood was a tender hold upon all good things, and did guide him. So were his eye and arm, but his heart brought forth into the world. This day he did hear and taste upon the wind, a note of suffering and dread, shrill and pleading, a heart did call to him, upon the last slipping wind he did hear it, before the sun had set. Samson did refuse his rest, and began to turn the earth to his designs, his legs folding the miles beneath each step, the earth spinning as a mad top held beneath his turning will.

The cries did come closer and closer to his open ear, until it was filled with the notes of suffering. And he did behold it: the trap set into the tender bone and flesh of a pup, young and sweet, this was a child of the earth...now suffering and mad...tugging upon the tender break, the jaws of the trap snapped shut as cruelty. That which was sweet beyond the heart of man, was suffering and dying. Samson saw, and felt, for his heart was that of the world. His shout peeled time awake, and the sun snapped into the sky, to see what had torn her eyes open even through the vacuum of space. And the sun did look down upon righteousness. The pup tucked under his massive arm, and left upon the tender bank to heal, for he did know the trapper, and found him sleepy and dreaming, enjoying his pleasure, thinking of the suffering he had set...dreaming. Samson did but move his mighty arm, and the shack which did shelter was cast down into broken sticks...and the morsel of cruelty exposed to eyes of broken flint. Samson did speak, and so the trees did recoil and hide from the weight of sound:

“Filth! You will now feed that which is tender and sweet!”

And the trapper did reply: “Stop, for the prince will not suffer this!” And Samson did reach down and pinch the head off the sickly neck, until the thing was limp and dead. And upon fire was it then made warm and tender. Unto the mother wolf he did bring the cooked meat, now pulled apart in the suckling mouth, her pups nourished upon that which did cause suffering. Samson was of the good.

The dawn did stretch her bashful fingers of first rose over the valley, and Samson did wake. Unto the wind he did turn his ear and listen. From the moist earth he did hear a suffering groan, the first mother of time was speaking to him, and he did listen. His legs did turn time and bend her unto his will, quickly passing to the wounded spot, he found a strange tower shafted into the moist soil of hope. The Earth was herself speaking to his

kind heart, and spilled her suffering into his ear. “Oh Samson, do not let him place this shaft of steel within my tender side, so he may extract my blood and poison me...please Samson, please help me.” And Samson did feel what she felt, and his fury was more terrible than any raging flame, now snapping as tongues of hatred for the rape he did behold. For the Earth is more precious than any woman no matter how sweet, and in turn the rage of Samson is rightly potent beyond blood. Samson did reach his godly arm down, and pluck the steel rod from her tender side, to hurl it fifty miles into the distant sea. Unto a grateful Earth the works of Samson do but serve, and in kindness and deep feeling, is his wisdom.

The sea did then know him, and saw his strength and kind heart of good, and so did call out to him. “Samson, I am suffering under a terrible man, he is building a wretched weapon within my delicate floor, so tender and sandy, that which sustains you with food; and my beauty, he poisons my very reefs and sweet hope. I am dying, oh please do save me from him!” Samson heard her cries, and felt what suffering she did feel. His madness burst beyond all hate, and his voice became a wind of power and revenge, the waves themselves parted to escape the sound of his hatred, and he did see upon the exposed flesh beneath her waves, the wretched weapon. A grid of cuts and designs, built to boil her waters away, and kill her. He reached down and gathered the ugly design within his fist, and crushed it into broken dust, flinging the tatters a thousand miles above into space.

He spoke as a volcano roars, so all corners of time and space became one question...more terrible than hate itself:

“Who has done these things?”

It began. A tower was being built in a far off land, a place distant, but close it seemed, the tower soon leapt a thousand miles up into the sky, and upon its uppermost peak was an unreachable dwelling. Down into the world of tender earth its prince did look, his covetous eyes and furtive gaze, weak and cloying, slipping in between the lighted places, watching and wondering, how he might disgrace the enemies his greed had won him, and own all he beheld. Who had taken his traps? Who had broken his oil well? Who had stopped his rape of the sea, so deeply pleasurable? Who had stopped his profit? And amongst the enemies of the prince, he knew—was Samson. Now high upon his unreachable tower, he would remove this force, and take all he desired.

“Better this...than any weak peace.” So did he think. For neither Samson nor any other, could reach him.

Over the treetops, the forest sky was perfect and bright, deep and rising, as azure sea and wind might paint a dream cast above, warm and ice blue, a cradle holds the Sun’s awakening then gently turns her aloft, now spilling down from an arching sky. Sacred, and perfect is the world of this earth.

From the high tower strange birds did take flight, and spread over the perfect sky a grey

frost of ugly cloud. The blue circumference of bounty now cheapened and disgraced; a tattered grey cloth wipes across the ruined sky and withholds the sun...and so— all things, are less. Down into the tender places, a snow of pain did fall. For the enemies of the prince might feel this thing, and yield to him; yes, who does not suffer and die, under a dim sky? So clever was he.

And Samson did see it, and knew what he saw. But he was not clever, and no matter his rage, he could not climb the mount, designed itself to be unreachable.

Day after day, the perfect world, was dying. The bees made sick and strange, the snow was killing them, and so, crops would not grow. The children did become ill and weak, sickly and wheezing, broken and dying were they...young, hopeless and frail. The trees did become dull and brown, the bark peeling away, the heart of the shafted wood drinking poison drops of pain, now dead, and ripe for the flame...but double hot and mean.

Each leaf and branch was but his flesh, the sky his breath and its spending within her winds, and so, his heart became withered and brown, suffering as all he saw. And Samson's heart did burst. "Oh world of pain and death, do you feel no thing, do you know no kindness but death and rule of greed?...the tender bounty of sweetest hope is nothing but a niche to cut and spoil, you who infect all things with ugly pain and a leering greedy snow of death, do you feel nothing? Oh world of suffering, do you not feel my heart, as it bursts?" For Samson's strength was but that of his heart.

And unto the winds and grasses, plants and the forest bees and winged creatures, the branches and leaves of dawn and dusk and their tender fold, all of this world did hear him, and know... it was THEY who were his strength.

Unto the wind the birds did take flight, the insects and bees, the wasps and sweet travelers of deepest earth did emerge to find wind. Upon the back of the wind, each wing did find hold, and climb...the pumping of Samson's burst heart, lifting each to strength, and upon the back of birds the forest did climb up within the tower's hold.

Into the sunken eyes of greed, the stings did bind, and wasps lit within each wound, stinging, gladly spending the last of life...rising as a wind of death, which does cleanse the broken places, and so, does love them. And each forest creature did rise up and do what Samson could not, for he was not strong enough to fight this enemy, now broken and worn...for his heart had burst—shattered—and lit within them, and thus, his strength found wing. That which is too large for one, might be struck dead, by all.

And down into the valley, they did take the meat, and cook it upon licking flame until it was warm. For his teeth were but shattered, and into the suckling mouth, the flesh did pull apart and nourish him, he who was tender with feeling.

—For Samson's strength, was his heart.

Humans are a people of love and warmth, kindness and connection, sexuality and giving.
This is our ascension and better future...the kind wish.

A Place Beneath Silence (poem for Anja)

I can see you.
Come closer dear one, for my eyes are poor
My sight rich to awaken, and draw you near
A tender child...who knows,
I will show you, the notes
which you have always heard, are but melody
New and long familiar
Trembling, perfect and unsure...too delicate to name
...here, I have found something.
There is a place beneath silence.

There is another world beneath and below
As a brook of light
Shedding bubbles of golden broth and shadow
As the heart of warmth purrs
Golden and supple
Careless and hidden
Waters of light lap upon the unseen places, and fill them
Unknown and laughing is the hidden spring
So gentle and unhurried is the heart of new light
As a brook running sweetly beneath the sun
Reaching its silver splashing heart as spattered laughter,
Too precious to understand.

Look upon my new heart
So broken and pure
It is a brook of light which nourishes
the first new thought, before waking.
Listen, in the folds of deepest silence
As a child listens, expectant,
Unknowing, before first waking
...this is our tender secret, unnamed and aged
...before Time.

Oh how tender is sight, before the eye has opened!
The vision cast in silence before the fact
Delicate, guarded and wise is the sound, before sound
The first whisper of thought's becoming
shrouded and new
...here...

As the heart of innocence is never known
—only spent,
Unsure are her steps, always guessing, then,
Spilled out...as truth first found

...a stumbling happiness under a yellow round sun
Drunken in new light
Stumbling into itself is the newest heart of Day
Each tender second hatched fresh from promise
As new legs find fresh earth—Dancing...
upon new legs, too unsteady to find
As the first, desperate, glad, drunken steps of Life
Upon soft clover.
Here
This is where I found you.
Did you know that?
This is where we met.

Now, I gather you up, beneath my wing
Folded close to my steady heart
As a train most sure finds track and measure to the miles
But now—I shatter the dawn!
Sudden and brazen I leap as light unbound
From the heart of this leaden shadow
Cracked free in an instant
You are upon my Eagle's back
Shot up and over all worlds
As lightening flees the earth and pierces up
Into the brightest places.
We are speeding and stretched as silver Eagle's web
Across the sky.
Pulled tight in strands over the nestled Earth
Our beaded strands of silver laughter and tears
Spilling out and up as trembling silver light
Sun and Spark...frozen—
Pulled tight in silver strands across the heavens
...and down...
Into the heart of warmth,
Let us cast our eye below
Into the luxuriant tangled heat and swollen places
So engorged and full with poured sun
So safe is the heart of our promise
Glowing and warm is the sultry Earth
Nourished by the sight
Nourishing is the heart of warmth and heat
Glowing and full with every treasure

...ripe to bursting.

Here...you are worthy
You alone, may know this thing and leave it unspoiled
I want you to have this.

Please know, you are worthy of this thing
...in innocence.

I wish to unfold for you
The heart within silence.
This is the place, where all moments begin
And it is from here, that their sweetness is drawn
...and filled.
There is a tender place
Too delicate to name
As a flake of snow...perfect and innocent,
Gathers its treasured heart of light amongst wind
...twice chill and pure
Frozen light and down
Nestled and pillowed before the dawn
A silent drift of promise, waiting to be unfolded
...as a prayer.
It is this wish upon which I lay your head
And it is from here, in this hidden place,
That you were first imagined, and conjured
...to fill.

It is here, that I have found you.

I can see you.
Come closer dear one, for my eyes are poor
My sight rich to awaken, and draw you near
A tender child...who knows,
I will show you, the notes
which you have always heard, are but melody
New and long familiar
Trembling, perfect and unsure...too delicate to name
...here, I have found something.

There is a place beneath silence.



The wishes of our leaders are reflected in human history, and they are otherwise.

Of Promise Unspent

What dream is Man?
What imagining twice broken
Summons the eye to blink
Drawn away from the sight
Of light, twice stained?

The dawn drawn up as linen
A quilt swept beneath forgetting
A promise as yet unspoken
A dream mute and forgetful
An imagining unsure of itself,
A smear of rouge and light—
So is our pain but a folded dream
Cream and light swept up as forgetting
A spatter of rouged light, twice warm and unknowing.

The ages of twisted rope, stretched and taut
Choking upon its own weight
Twisting in ugly jerks
The soul of Man as twisted meat
Jerking upon cruel wire and war
Heat and burnt metal
Soot and ugly yellow fat
Burnt heat and crooked stains of torn hope
The knotted fingers of kindness broken
The child left to die
Tugging—Twisting
in cold broken wind
Filled up with choked cries, and sticky blots
Of empty silence... then—
No more.
Victory.
Is this not our dream?
The dream of Man?

A trillion silver sparks
The flashing teeth of time and space
Torn in two and burst.
A tiny secret
Ripped in half
The smallest places—held—

And wounded.
Snap!
The sky is torn
Light bursts from pain
Tears are burnt up into ugly wind...and vanish—
A wound more painful than truth
More true than suffering
A fact twice pungent
Becomes—nothing.
So is hope—the hope of Man
For now we know...too much
Far, too much.

The sky is torn and silver
White and roiling
Spitting opal swirls of amethyst and anguish
The heart of the world split and fused...into light
—and pain.

Soft waxy flesh sloughs from innocent arms—into dirt
and burnt light.
The suffering of a million millennia
Distilled
Into a single wound of heat and crushed light
Hope—now burst.

We soar as birds
Cutting the sky
Slipping her heart through
With white hissing jets of spray.
The jets, cutting the lens in two
Tearing the sky apart
Hissing through space
Ruining
Cutting
Splitting
Tearing Beauty open
—and leaving her.

Where are the jets going?
To do what?
To whom?...never mind—Why.
Only know—it is.
We are tearing the sky open
Splitting her tender heart and hurting her
Listen—Look—and know

Know—what we have done.

Bodies wash up
Tugged and bloated
Washed up upon the shore of Time
Purple knots of bruise and gristle
Circle dead necks
Where fingers once pinched and closed
Until the spark was choked away, into black.
Planes circle the heavens
And spit death, upon life
Heat, upon cool
And make burnt, all
That is our finest unknown
Now soiled and burnt up
As sticky yellow fat is burnt
And burnt off.
Ah!
Is this not our dream—
The dream of Man?

*We might hope that all of Human history,
Is a pre-history
A dream spilled before waking
A silent whisper before the fact
An imagining
—of promise unspent.*



Let our wishes be different than those of our leaders. Let us create a kind and worthy future. Let us cherish Life, and nurture her.

The nexus thought

We are within the tender meadow. Delicate winded ripples play among the tips of new meadow grass, and as a whisper, the sun splashes upon the silver brook beneath us. Hints of blossom speckle gentle breeze, and all the world is cupped within each ripple of breath, enfolded intricacies whisper, shifting as delicate hands weaving light and shadow, a dappled brook splashes up amongst the shadows.

Within the palm of time, we are sheltered. So beautiful are you, as a liquid jewel, pure and perfect, running and silver, painting the rounded stones with silver cool, your clear skin of light as a stream running over cool stone, laughing. Look, and see the river of time, silver and slipping, cool and light, bubbles speak and retreat amongst the cool shadowed noon of our beginning. Each twig is bathed in light, cracked ice solved in yellow-gold, the leaves of fall tugged loose to paint time's tender curtain in crimson and gold, so beautiful are you, so sweet and warm is this evening, cool upon the heat of day. Each second pours ever richer, ever thicker with light, as melt glass flows, stretching and warm within each shadow and leaf, golden and round, clear and full. Look out, and behold!

Each aged maple's lofty crown stirred by an unseen wind; each slipping stream of bright rippled mirror; each shifting wave of tasseled meadow grass; the sweet earth under the melting heart of her yellow noon; the first nook of heaven as she tastes the rouge of dawn; the sheltered sky over each flourishing bounty bestowed and nurtured beneath; each creature basking beneath the arcing warmth of a golden sun, stretches, languishes before you, warm and full, grateful, waiting; each moment opens itself so you may sweetly fill it, with gratitude and warmth; each living thing is within you, bathed in warmth beneath a purring sun, the world fills you, warm within your beating breast, enfolded and enfolding—*Life*.

It is a thought of gratitude, which will change the destiny of mankind.



In this world of wretched pain, we are blessed. There is Nature, and her season. Within the dark moments, we may be cleansed within her. How precious, is this simple thing?

By 5:00 AM he was on the road out of the city. The sun was nourishing the horizon to a supple crimson bronze which promised to warm the night until it forgot itself. Sam let the spacious expanse of day unfold before him and open the heavens, so slowly, as a blot of light soaked into the fabric of the sky from the hidden horizon. The awakening sun warmed the hope in him to rise as well as his pain, which wrestled with his heart, a stubborn heart which refused to bear up its sorrow, but rather closed itself around its wounded disgrace and bit down, sickening and blackening the world with its suffering and its strength.

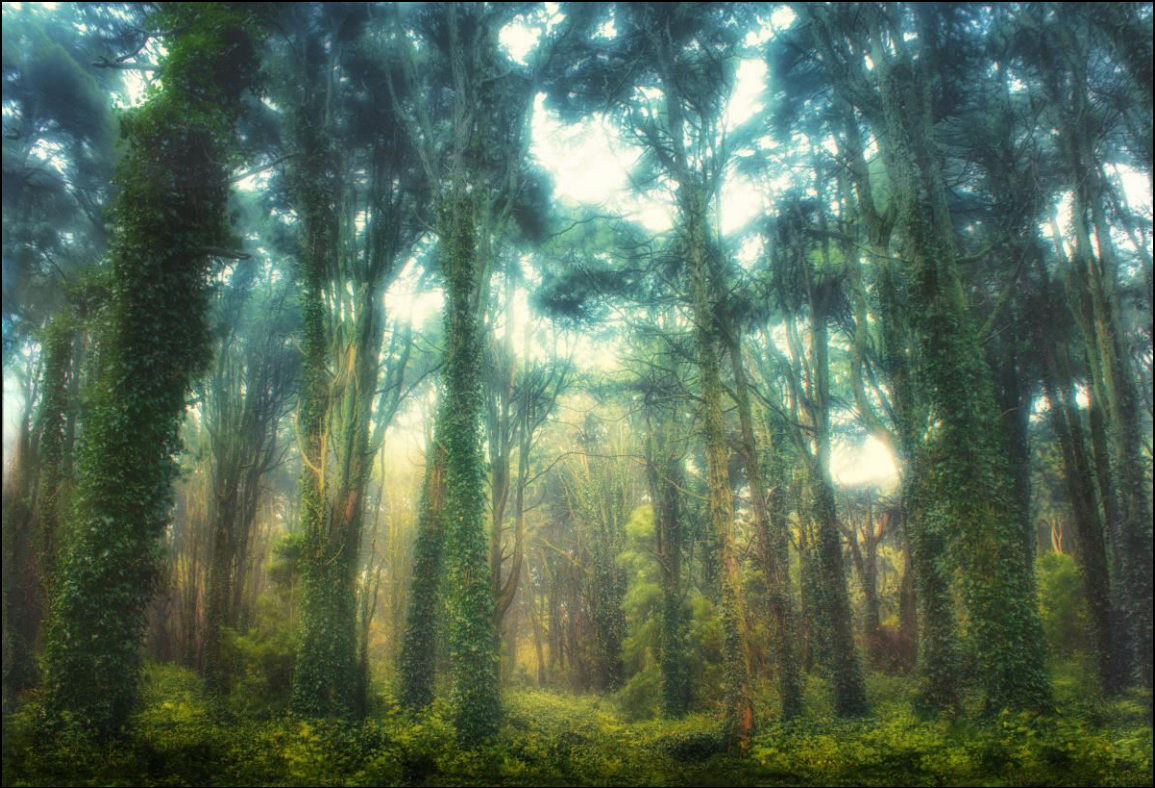
Sam pulled the car over by a forgotten country road from nowhere to nowhere, a faint dirt ribbon rarely traversed and almost rubbed out of existence by a profusion of weeds,

shrubs and small tufts of strange moss which had a liking for the open sun and took root to heal the wound, for every road we travel is but a wound rubbed and cut into the earth. Like a trapper, game scout or a guide in the old west who could smell a shadow, he had found it. Now Sam walked away from his shadow down this ribbon of rubbed earth toward the sun. As the sun spread the vaulted sky out before him and opened the roof of day's infinite blue dome, the limitless expanse of our living cathedral, the endless boundary of arching azure embraced the world in the sweep of its icy new brightness and blue chill.

The late fall leaves stirred awake and dared the bite of a cruel and beautiful wind to liberate them and set them to dance with the light, hovering and falling to the ground, or swept up in a tumble of wind and belched into the air, alive again and rustling together, whispering and speaking—then silent. The crooked proud branches waved their dark cragged fingertips at him and bent their waists, swaying and nodding, fanning the air in sudden gusts of wind which brought all the arbor alive and dying, trembling and shedding itself, swirling into the air.

As Sam drank in the rustling quiet, the gracious unspoken silence of these unknown sounds, the clean air and empty spaces cleansed and held him, washing through him as brisk clear icy light, the frozen currents of white and yellow sun, the mad confusion of dancing leaves and wind whipped shadows healed him and he understood that the thoughts he had as he drove here today were wrong, they were thoughts which had poisoned him, poisoned his soul like bad meat. Yes, he was wrong to think his bitter thoughts—thoughts, clenching, raging, wounded thoughts which would not yield their hurt and tears, but would rather blacken and shame the world instead. He had known a lie in his bruised heart, he had supposed that the world, complete and entire, was a wicked dirty thing, corrupt, worthless and foul, but he was wrong. As he looked around him and knew himself, Sam understood the truth. The world has many filthy, broken, foul, crooked things in it, but that does not mean that the world itself is a disgraceful place. So Sam bore up the black tears clenched deep within his strength and unblackened his world, the tears falling silver and clear spilled out before the unblinking forgetting sun, tears painted his face with golden shuddering light, lingering drops of sun and pain, bright, silver-sweet and dying, as leaves falling to earth, cast brightly downward to die, revealing hope's barren branch, now bare and empty, waiting to hold winter's crown of snow and in turn to be nourished in the fragrant warm breath of a blossoming spring.

The shadows and sun scattered the leaves and branches, broken, alive and dancing on the forest floor while the blue black tent of heaven stared and never saw, forgot before it looked—but the forest frothed and bubbled with life, light and beauty, swirling and painted, unknown and forgotten. Such beauty is cruel, splendid and tumultuous, so pregnant and subtle, hushed, breathless and bashful, then heaving upward, releasing, blowing its winds of light and bounty of colorful profusion tumbling skyward, so alive it must become, must consume its moment—alive—becoming, being and dying—even as it is never known. The forest is complete and living, dying and ascending, but unaware, un-remembering, and so, infinitely pure.



In kindness we might find knowledge of all things within Nature. How deep the wound, to lose this single most precious thing?

Connection

“Oh my child, come here, I must speak with you and show you the world. The day is warm, and we might see each thing and understand it.” Fredrick was a kind father, he seldom spoke above a whisper, his eyes hid the spark of tender wisdom within them, and on such a day as this, it was released and fell into all things. Jacob was a young boy of seven, and his restless heart tugged to go play within the emerald wood, and hide amongst its cool shadows of scented wind. His father looked upon him and the day, and spoke: “I promise, we will walk in a moment, here—oh, I can see it is of no use, we will walk immediately!”

Ah! The boy’s eyes sparkled as his, and he knew he struck the chord rightly, for this was a day for the song of life, a sparkling wine one can not resist, capricious and light with chance. Into the damp morning which lay concealed within the tender shadows of the wood and its web of tangled light they did travel, Fredrick but young once more, filled with the liquor of light’s essence, he began: “Look, into the deepest corner of shadow, there, can you see something moving above the head of each branch, so dark here within the webbed shadows.” Silent as a shadow’s breath, they did peer, breathing but hardly, and in the still, the first ray of light did slip through the uppermost arch of sheltered sky, and the young one beheld with sharp young eyes, what wisdom did sense with ease. An owl, fell as a flake of snow, in gloved silence, as smoke falling, soundless and distant, falling closer, and then away, soundless and majestic is the sound of breath held, falling, amongst the first shadowed tangle of cool morning. “Father, how did you know, I could hardly see it.” “Shhh... Can you *feel* it. Imagine, sweet one. I do not know, I am. I feel. You already know this, but in silence is magic made naked before us, and then we may learn, a magic gift is not a gift nor magic, but an uncovering of what is. I am. Here....I ask you in silence, do not reply, simply answer by doing. Of the sight you saw. Can you feel it?” And in silence, he did think upon and within the moment of silence, of flight, and was within it. “Yes father I can.” A smile warmed within him to know, it was true, the boy understood, he felt that which he saw and was a part of it.

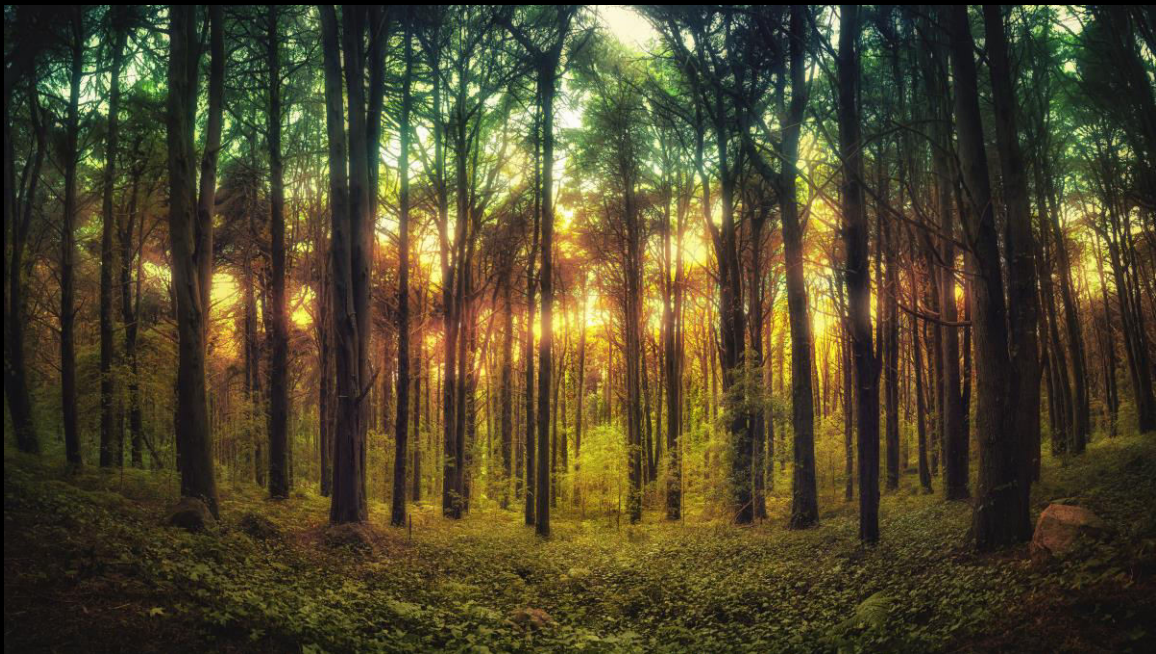
“You please me greatly, my son. Here, let us walk.” And into the deeper forest, where dawn was finally breaking the web of fingered shadows, the world began to glow from within. Over the distant hillside, through the branches they saw a flicker, and Fredrick moved toward it, slowly, easily picking his way through the tangled brush, knowing as if by sure knowledge what he might find. Into the clearing they did travel and sit in warm meadow grass, swimming in noon’s summer, the cool tangle of branch and shadow left behind.

His eye did gaze and the younger’s follow, and then, the doe did venture, unaware of them, her tender hoof silent amongst the soft moss at the forest’s edge. And in a look of love silently cast, the boy did understand his father’s meaning, for within a glance is the fullness of a thousand volumes. Within feeling’s tender glove the boy did find himself within the doe, and knew her, and he found that she, was made warm and affirmed by his feeling, somehow, this must be true, and he spoke of it: “Father, I did find myself as the doe and within it, and now, I feel somehow that I love it, and know it, and have filled the

animal, so tender and kind, with warmth. Is this right?” “This, is the higher knowledge. You, are a man, of tender years, but, a man. We, are becoming very much alike, small one.” His eyes were swimming in tears. Then, the breath of happiness again spent its sparks, and he did speak: “Now, that is within and that which is without, are one. This, is true. Open your heart, your feeling, and allow the world within you, to fill you, and you it, as you did the doe.”

And within the moment's spending, the world did unfold within his open heart, and fill him, and he did pour within all things: each tender shadow and branch, each hillside and rolling curve, the tempestuous sea, the winds of storm and cool, the deserts and animals within the forest and all the creatures and land were within him and did fill him, as he did return unto them all which he was, now, the twig of snapping youth broken, the streams running and flowing over the tender bank did fill him and know him, and were themselves—affirmed.

In silence they did return to the world, and were within that which they did see. Now of the world, within and without are but song, verse, made real and spilled into light and back round to fill knowledge, so is wisdom but love and caring, the light and marrow which fills, and connects all things.



Please dear reader, do not believe for even a single moment that the tender nurturing Earth will be saved and her precious life spared so that she may sustain us, should you fail to act. Only swift response and eager understanding have any hope of answering the hour. Faith, is no substitute for action. The hour is late. You must be strong, do not allow them to take this Her from us.

A question of Faith

And Benjamin did have three sons in turn, Joseph who did share his countenance, Jacob who did share his stature, and Abraham, who did not resemble him. Benjamin was a good man, and found room in his ear for the words of priests, and so, did raise his sons rightly, in faith.

As the years advanced to ripen youth, and find the strong cord of knotted muscle within each tender soul, the boys found in the lesson of faith and love of their father, firm resolve amongst newfound strength, save Abraham, who never held to the words which did cling within his siblings' breast, for Abraham, had no faith.

The years turned slowly from golden yellow summer, spilled sweetly as wind upon wheat over the curve of distant hills, to evening's bashful cool, and Benjamin did call his children unto him, for he was wise, and felt life's ending close rightly around the last of many days nobly spent. And Benjamin did implore them, to remember, of faith. "I have held a secret from you, dear children, now grown and strong are you, and you may know the secret which has sustained me. I will soon be gone, but never gone, and my soul shall spill, even after life's tether is last clipped, into the mind of Hassad the priest, and within him, I shall live, and speak to you. For you must remember my words, and know of faith."

Then but soon, the day had come, now empty and dark was their world, for their father Benjamin was gone. And the boys, now men...were alone, save for the lesson and words they did carry in the hollow of their broken breast. For each did but love him in their own heart, and found the evening wet with the dew of tears.

Each boy set out to taste of life, and fill the empty cup of days, with life's promise and bounty. In three far flung lands, they did cast young eye and strike root, now with wife were they, and children did anoint the sound of morning's quiet, with childish laughter, and the scent of food, now warm as the day...and in happiness did they live.

Upon the door of Joseph, a knock did sound, and Joseph, did find in the shadow of hope, the priest Hassad, with a question. "I am but the spirit of Benjamin, and Joseph, I ask of you but one thing: Do you have faith?" And Joseph did nod deeply, and spoke the word 'Yes,' and did affirm it, and in solemn tones, they did then part.

The word had been spreading, and Joseph did hear of it, the hordes of vermin, mad and strange, men upon horseback who came as a wind of death, and consumed all that stood before and beneath them, as if having was a right which they alone did covet. Joseph, was not afraid, and knew, nothing could harm him, so potent and severe was his faith...and its protection.

He spoke to his children, and frightened wife: "Do not tremble my children, and do not weep, my sweet wife. For we love God, and have faith. In him you may trust, and in faith, the world will be recast. See my still heart, and calm hand? I know, of faith. Join

me, and we may sup. All is seen, and known, all is understood. You must know of God, and know...of faith.”

And they did find in his steadfast courage and certain heart, the anchor and reason, to believe.

The cloud of dust and stink, fell over the countryside, and the wind did bring the stench of an unclean thing to fill the air, as the distant sound of horse’s hooves beating the earth grew louder, and soon, did fill the hollow ear. A cloud of blight, men who were worth nothing, proud and vengeful, filled with ugly lust and cruel pleasure, set his home to the match, and did wait, in happy expectancy and glee, as they did flee from the covetous silence, now torn asunder. And they did hold him, Jacob was but one man, and they were many, and soon, he did see it, the circle drawing around what was precious, his wife and daughter, began to tremble, and weep. For his daughter, was but a small girl. And he did watch, as what was precious was held, torn open...consumed, and disgraced. Jacob’s heart, became still and dark, to know what was now, and forever—lost. He did hang his heavy head, and knew of hope’s last vanishing. The slip of steel cutting was then sweet, and unto his father’s breast, Joseph did pass...in silence.

Jacob did live amongst the perfect wood and grasses, so sweet was the air, in summer’s noon, and fall’s first crisp did stain the cool wind with sweet smoke, and within the heart of time’s spending his happiness was founded. Jacob was a farmer, and his children were plump and round, strong and beautiful as the days were long, so was the bounty of his world. And he heard a knock upon hollow wood, and behind the door was Hassad, grey of beard, and frail, was the shadow of hope. The priest Hassad, did greet him with a question. “I am but the spirit of Benjamin, and Jacob, I ask of you but one thing: Do you have faith?” And Jacob did nod deeply, and spoke the word ‘Yes,’ and did affirm it, and in solemn tones, they did then part.

The months grew hot, and the crackling of flame and choking dark clouds of roiling smoke, did crest the distant hills, until the snapping of fire filled the air, and a poisonous stink, of burnt smoke and embers did stain the clear wind. Jacob did take his family, and held them in his steady arms, to calm their trembling. “Have faith, oh weak children, and tender wife. We do love God, and he will sustain us through this horror. It is nothing for him, and he is mighty, we need but faith. See my easy countenance, and firm hand, I do not tremble and feel fear, I am strong and safe, nothing can harm us, for we are right, we do love God, and have faith.” And they did take comfort and solace in his strength and right words, and did understand him.

Before long, the sound of fire and the bitter taste of heat and burnt smoke, did fill their mouths, and they did suffer, then burn. In sheets of flame, their skin but slipping and slick, falling as weight and loose fat spent from bone, now liquid slipping away and down, their flesh swallowed up...into heated earth. Little remains, once heat has tasted the tender places. Time...flees. So was their reward.

Abraham did live in wooded timber, and of his own hand, found salvation is farmed and

cut from the wrinkled brow. Each day he did prepare, and work. He did teach his family rightly, and all knew their place. Abraham was clever, and strong. The sound of horse hooves crushing the earth did approach him, and he was prepared. He did pierce the necks of the filthy animals set as stink upon horseflesh, and arrows did find the soft throat of what was worth little. For that which consumes a precious flower in lust, is worth nothing. So did he pierce them in the tender places, and did then lay the dead thing into the earth, and sweeten its moist heart. For that which is worth little, may serve the bounty of the earth, as it does moulder. So did his garden rise up, to be fed.

And he did hear the flames upon the tinder grass, and had long known he must work, and cut back the forest's tender bounty, so he might allow the flames, the golden spark of hope, for flame, does but cleanse the wood, and let her heart again beat unencumbered.

Abraham did hear a knock upon hollow wood, and did open his door up, to see a broken and brittle figure, the priest Hassad. The priest Hassad, did greet him with a question. "I am but the spirit of Benjamin, and Abraham, I ask of you but one thing: Do you have faith?" Abraham looked upon him in contempt and did speak: "You offend me with your foolish, guilty question. I have faith in the only thing which is deserving of it. Faith is a fool's virtue. And you are a fool. I have faith in but one thing. I have faith—in myself."

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Reader please understand:

—*It is we, who must face the daemon.*—



And now you may have the last. We may walk, and taste the season. May the memory linger, and fill you.

*What is lost becomes eternal, enshrouded within memory.*

### ***The Walk***

Hints of evening draw down behind the forest's feathered edge, and a painted sun fills the marrow of autumn, splashes of pooled gold mirror the stream beneath, and my eye holds the rippled colors running with crimson and yellow, as hollow steps upon wood and timber sound out, the bridge crossed, and a taste of new color pours into the air, the leaves of fall fill the drifting air with rich tones of fragrant red and rouge, rust... and a chill wind, cleanses the sky. The forest opens and we may see above the whispering wind, into the sudden blue arch, now subdued and glowing, golden sun poured through the rustling tangle from beneath, licking color into sight from within, light shocked red, gold and crackling yellow, wind sighing and slipping the heart of paint and plume from the arbor's fingers, waving and shifting before the first drops of evening's memory can hold the day before us, turning, and bashful, light trickling up from within the heart of the forest, delicate and tender within green folds of leaf, now perched on the edge of change, still spilling summer's promise, but tender, glowing in banded air, as clear glass waves of chill and scent, spilled sweet and pure, folded into wind. The road is filled with color pouring as water swells, gathered under tender wind, slipping through itself and dancing above us, wind and the subtle hand now brash and wanton, the trees groan beneath capricious wind... now vanished, and in still, the sound of water sweetly trickling, silver and pooled is the rippling sound of silver mirror, holding sight and sky, filled with rouged blood and amber, now aglow and running as a wreath of golden tears spilled bright... around the heart of evening.

*Remember.*

We have seen this thing.

For soon, there will be no more.





To learn the hard facts concerning geoengineering and how you can help preserve our precious world, please read *The Answer Roadmap for a New Humanity*, available without charge at the links below, or as a hard copy from Amazon.

<https://squa62.wixsite.com/thelastfalltheanswer>

[https://www.researchgate.net/publication/320345343\\_The\\_Answer\\_Roadmap\\_for\\_a\\_New\\_Humanity](https://www.researchgate.net/publication/320345343_The_Answer_Roadmap_for_a_New_Humanity)

Please go here for more information concerning geoengineering.

<http://www.geoengineeringwatch.org/>

Thank you for reading.

*Tempus Fugit.*

Give this book away—and save the future:

<https://squa62.wixsite.com/thelastfalltheanswer>

**Richard Lawrence Norman** is a scientific advisor for Thunder Energies Corporation, a researcher affiliated with the *School of Advanced International Studies on Applied Theoretical and Non Linear Methodologies of Physics*, Bari, Italy, and Editor in Chief of *Mind Magazine* and *The Black Watch: The Journal of Unconscious Psychology and Self-Psychoanalysis*. He is co-founder of Future Life Net, a group of highly advanced quantum physicists and artists who share a new human vision based on quantum physics. A writer, newspaper columnist and musician with degrees in philosophy and music, he is the author of books and scientific papers spanning philosophy, psychology, neuroscience, physics, verse and fiction. Richard Norman is a weekly contributor to The Ultranet's *BlogIQ*, a blog serving the gifted community, and a regular contributor to the Prometheus Society journal: *Gift of Fire*. Richard's papers, artistic contributions and scientific articles number well over two-hundred, and are featured in journals including the *Journal of Computational and Theoretical Nanoscience*. His new psychoanalytic technique, *Native Psychoanalysis* may allow more rapid healing within a psychoanalytic model. Richard was a band leader for 20 years. He is a highly accomplished musician and an innovator in music theory. His *Time Travel and Other Illusions* CD redefines the use of the chromatic scale itself, and demonstrates a new approach to polyrhythm. His books include: *This New Day* [Philosophy/psychology]; *Mind Map* [Basic, brief new approach to Psychology]; *The Black Mirror* [psychology/philosophy]; *Ever Deeper Never Better* [Novel]; *Time Saw a Fly* [Novel]; *Enough* [Novel]; *The Tangible Self* [Advanced Psychology]. His book *Beyond the Veil* (written with Jeremy Dunning-Davies) covers topics including cosmology, quantum paradox, relativity, information theory, thermodynamics, climate change, the neuroscience of social change, disease pathogenesis and field processes within biology. In paperback and free e-version, *Future's Mirror: The Endocannabinoid System in Human Pathology* spells out the functional potential and implied therapeutic utility of cannabinoids and Cannabis extracts using phylogenetic, medical and historical analysis, and then details what appears to be the suppressed approach that may lead to the speedy and inexpensive treatment or cure of many dread diseases using Cannabis extracts, including but not limited to cancer. *The Answer: Roadmap for a new Humanity* provides a solution to the basis fault within man responsible for human misery, war and unhappiness, and, details the startling situation the biome is currently facing due to geoengineering.

For a sample of Richard's scientific and creative work please enjoy the entire of *Mind Magazine* [www.mindmagazine.net](http://www.mindmagazine.net). The "New Ideas" section contains some of his papers and articles detailing potential new medical treatments without toxicity; affective analysis of quantum Clifford algebraic theory; analysis of relativistic theory; analysis of subjective quantum theory; analysis of aqueous systems; analysis of objective reality; analysis of wave/particle duality and light; analysis of quantum unconscious isomorphism; psycho-ontology and fractal dimension; temporal field theory; Bohmian mechanics; quantitative approaches to the human unconscious; new approaches to pharmacology; mnemonic connectionist modeling as a holographic paradigm; ontological calculus; semi-regressive plastic attachment therapy; temporal process as tripartite pre-temporal simultaneity; quantitative unconscious theory; re-polarization theory; homeostatic conductance and parasympathetic basis alteration (new approaches to Parkinson's; OCD; Depression); the hard problem of consciousness (new solution); informational pleomorphism; somatic adaptivity and ego process; new methods proposed to treat degenerative nerve disease and others, some utilizing quantum information mediated through aqueous systems in place of drugs.

For additional papers please go here:

[https://www.researchgate.net/profile/Rich\\_Norman/publications](https://www.researchgate.net/profile/Rich_Norman/publications)



*Post Script:*

***Our true mother***

My land and life were Eden, unthinking and perfect. She was pure, each drop a prism round and fat with life, I watched for hours, as a lover seeks his imaginings, running over lapped stone as silver glaze, her voice but a splashing murmur, an endless verse of whispers, never speaking. Delicate tracings hold the moments with tender loose fingers. Shadows touch, unseen hands, tracing the shouldered hill within light's spilling, as shifting leaves. I can feel the arch of heaven taste the crown of maple, a brush of feathered bronze and fading green, plucked naked in a swirl of wind. Enfolded within the true mother, we are all blessed. It is from here, that all new worlds do spring, and of her gentle curve cast toward the horizon, the present is nourished. We are within all things. So does she teach.

The true mother is real, the only point of all, to nurture that which sustains, and become of change, a stream never rests, light shimmers within the nook of ripples, cast out to dance upon rocks, sparks spent into the cool shadows. This is our secret, too tender to speak.

I am sorry, but you must know this thing: she is *Life*.

Soon, the tender heart of dappled shadow will be burned into hate, and the Sun will pour her heart of rage and bitter ruin down into your tender places, and from within, the marrow of ugliness will sprout forth, its roots bound fast within the softest places, to slip death and corruption within your only promise, ground deep, into filth.

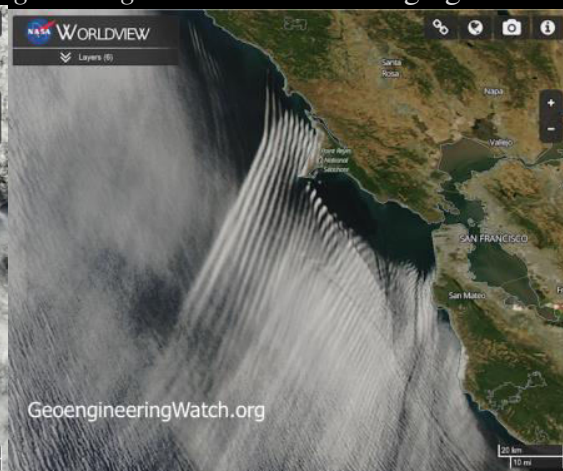
How tender was that which once did sustain?  
Soon, she will be dead, killed by an imbecile.  
Did you know that?

Please, do not let it be so.

Photos used with permission of *Geoengineering Watch* and Dane Wigington:



*off the east coast of Australia*



*off the California coast*



*off the west coast of Africa*



*Yosemite National Park. Photo credit: Sydne Pomin*



*Square cloud formation*



*London: Photo credit: Tracey Lee*



*Over my home: coal fly ash cloud formations*

Former FBI Chief, Ted L. Gunderson stated, regarding geoengineering (also known as chemical or "chem"-trails) and the associated illegal murderous deposition of poisons and toxins upon the Earth and its peoples:

"The death dumps, otherwise known as chemical trails, are being dropped and sprayed throughout the United States and England, Scotland, Ireland, and Northern Europe. I have personally seen them not only in the United States, but in Mexico and in Canada. Birds are dying around the world. Fish are dying by the hundreds of thousands around the world. This is genocide. This is poison. This is murder by the United Nations. This element within our society that is doing this must be stopped. I happen to know of two of the locations where the airplanes are that dump this crap on us. Four of the planes are out of the Air National Guard in Lincoln, Nebraska. And, the other planes are out of Fort Sill, Oklahoma. I personally have observed the planes that were standing still in Nebraska - Lincoln, Nebraska - at the Air National Guard. They have no markings on them. They are huge, bomber-like airplanes with no markings. This is a crime: a crime against humanity, a crime against America, a crime against the citizens of this great country. The must be stopped. **WHAT IS WRONG WITH CONGRESS?** This has an effect on their population, and their people, and their friends, and their relatives, and themselves. What's wrong with them? What's wrong with the pilots who are flying these airplanes and dumping this crap, this poison, on their own families? Somebody has to do something about it. Somebody in Congress has to step forward and stop it now. Thank you. I'm Ted Gunderson."

Source: <https://www.youtube.com/watch?v=gR6KVYJ73AU>

## **Geoengineering: an unacknowledged source of ozone damage, metallic pollution and neurodegeneration**

### **Introduction:**

Are geoengineering and weather manipulation technologies in fact long deployed, leading to the currently manifest situations we see around us, where metallic particulates (magnetite) have been discovered and openly acknowledged as now residing within human brain tissues? What are the relations between all this secrecy, the military, current ozone damage and CO<sub>2</sub>, and then, is there photographic proof and a clear train of published events and ideas available within white papers and patents? What is the implied contaminant analysis of associated toxins, and in what degree of certainty is it based? How easy to spot is the ozone damage? Is the damage ongoing, or static? This brief document will touch upon those issues in a surface way, in hopes of bringing the suppressed facts to light.

Many have alleged that a covert program and associated technologies used to modify weather for military purposes has long been deployed, with detrimental consequences for public health due to metallic and other contamination, and radiations. Some 8 months past, these technologies were applied to the skies over my home and family, and I have found the following disturbing facts:

The singular design to “own” and manipulate the weather may be seen to emerge publicly in the speeches of L.B. Johnson. Again, the publicly released document “[Weather as a Force Multiplier; Owning the Weather in 2025: Weather as a Force Multiplier.](http://csat.au.af.mil/2025/volume3/vol3ch15.pdf)” <http://csat.au.af.mil/2025/volume3/vol3ch15.pdf> makes the aim plain. That document was presaged by another, calling for weaponry akin to Reagan’s desired “star wars” program. Then, patents were issued, and a host of illegal technologies spawned between American and British enterprises sprung up, technology which destroys ozone, as it “protects the public and nation.” These communication and weapon technologies produce artificial aurora, and hence, odd N and odd H, leading to ozone destruction. It is the ongoing detrimental effects of these weapons that are covered up in the overemphasis of CO<sub>2</sub> effects. The obvious hot spots, ozone damage and climate damage, are in fact due to the technology itself and related compensatory measures, which are sold to the public as helping ‘manage’ the ‘problems’ they in fact cause. This is what I have found.

### **History:**

A superb detailing of the history dating back for nearly a century may be found here.

<https://weathermodificationhistory.com/>

I will lay out but a few threads to demonstrate the lineage of the thinking, and make its past deployment evident.

Reagan mentioning the notion of ‘star wars’...a space based missile defense. It is often said he made it up, and it had no basis in reality. Reagan was in fact not standing on hollow ground, or so it seems.

In the document Satellite Power System (SPS) Military Implications October 1978

HCP/R-4024-01 DOE/NASA, we read:

"The very large orbital power source of the SPS could have a number of potential military applications. Perhaps the most arresting, but certainly one in the very distant future is the possibility of developing an anti-ballistic defense weapon utilizing laser or particle beams. Nearer term possibilities include anti-satellite weapons and perhaps some form of psychological weapons.

The ground segment is an appropriate receiving antenna array (rectenna), also with conversion equipment to transform the received microwave energy to a form suitable for utility use. After being transformed the converted power is fed to the local utility grid for distribution. Satellite array and the rectennas are on the order of 100 square kilometers each in size, and the net output power to the utility is to be 5,000 megawatts.

. . . an acquaintance with the Classified literature assures that this study is consistent with related broad national goals.

The fact that the SPS is a space system, with the potential of carrying powerful new and unknown kinds of weapons, with a very large power capability, and potentially having "access" to (threatening?) most areas of the earth, would indicate that it constitutes a difficult question for international agreement."

Then a solution arrived: a patent for a ground based approach with similar capabilities:  
METHOD AND APPARATUS FOR ALTERING A REGION IN THE EARTH'S  
ATMOSPHERE, IONOSPHERE, AND/ OR MAGNETOSPHERE

Eastlund

4,686,605

Aug. 11, 1987

"The ideal combination of suitable field lines intersecting the earth's surface at the point where substantial fuel sources are available for generation of very large quantities of electromagnetic power, such as the North Slope of Alaska, provides the wherewithal to accomplish the foregoing in a practical time period, e.g., strategic requirements could necessitate achieving the desired altered regions in time periods of two minutes or less and this is achievable with this invention, especially when the combination of natural gas and magnetohydrodynamic, gas turbine, fuel cell and/ or EGD electric generators are employed at the point where the useful field lines intersect the earth's surface. One feature of this invention which satisfies a basic requirement of a weapon system, i.e., continuous checking of operability, is that small amounts of power can be generated for operability checking purposes. Further, in the exploitation of this invention, since the main electro magnetic beam which generates the enhanced ionized belt of this invention can be modulated itself and/ or one or more additional electromagnetic radiation waves can be impinged on the ionized region formed by this invention as will be described in greater detail herein after with respect to FIG. 4, a



substantial amount of randomly modulated signals of very large power magnitude can be generated in a highly nonlinear mode. This can cause confusion of or interference with or even complete disruption of guidance systems employed by even the most sophisticated of airplanes and missiles.

Small micron sized particles can be then transported, and, under certain circumstances and with the availability of sufficient energy, larger particles or objects could be similarly affected. Particles with desired characteristics such as tackiness, reflectivity, absorptivity, etc., can be transported for specific purposes or effects. For example, a plume of tacky particles could be established to increase the drag on a missile or satellite passing therethrough. Even plumes of plasma having substantially less charged particle density than described above will produce drag effects on missiles which will affect a lightweight (dummy) missile in a manner substantially different than a heavy (live) missile and this affect can be used to distinguish between the two types of missiles.

Electromagnetic pulse defenses are also possible. The earth's magnetic field could be decreased or disrupted at appropriate altitudes to modify or eliminate the magnetic field in high Compton electron generation (e.g., from high altitude nuclear bursts) regions. High intensity, well controlled electrical fields can be provided in selected locations for various purposes. For example, the plasma sheath surrounding a missile or satellite could be used as a trigger for activating such a high intensity field to destroy the missile or satellite.

Further, irregularities can be created in the ionosphere which will interfere with the normal operation of various types of radar, e.g., synthetic aperture radar. The present invention can also be used to create artificial belts of trapped particles which in turn can be studied to determine the stability of such parties. Still further, plumes in accordance with the present invention can be formed to simulate and/or perform the same functions as performed by the detonation of a "heave" type nuclear device without actually having to detonate such a device. Thus it can be seen that the ramifications are numerous, far-reaching, and exceedingly varied in usefulness.

15. The method of claim 14 wherein said site of natural gas is within the magnetic latitudes that encompass Alaska.

Some embodiments of the present invention require large amounts of power, e.g., up to  $10^9$  to  $10^{11}$  watts, in continuous wave or pulsed power."

Next, we have another patent:

5,038,664

Aug. 13, 1991

Eastlund Aug. 13, 1991



"Circularly polarized electromagnetic radiation is transmitted at a first frequency substantially parallel to an earth's magnetic field line to excite electron cyclotron resonance heating in normally occurring plasma at an altitude of at least about 250 kilometers to generate a mirror force which lifts said plasma to said altitude of at least about 1500 kilometers. Heating is continued at a second frequency to expand the plasma to the apex of said field line whereupon at least some of the plasma is trapped and oscillates between mirror points on said lines. The plasma will be contained within adjacent field lines and will drift to form a shell of relativistic particles around a portion of the earth.

It has heretofore been recognized that an intense focused beam of charged or neutral particles (e.g., plasma) can carry a potentially destructive amount of energy and is capable under certain circumstances of melting a hole in a piece of metal or of damaging even shielded electronic circuits. Recently, proposals have been set forth to exploit such particle beams as possible defense mechanisms to be used to protect against offensive missiles.

Given a large enough number of particles hitting the target in a short enough time, the deposited energy can become great enough to burn a hole in the "skin" of the target (e.g., missile) to detonate the chemical-explosive "trigger" of a warhead or to disrupt the electronics (e.g., guidance controls) inside the target vehicle. However, in these proposals, the accelerator has to be placed in orbit to generate the required "beam" of charged particles . . .

The stochastic heating will be continued until the electron energies reach the range of from about 2 to about 5 Mev, at which the electrons are relativistic because of the electron masses having been increased substantially due to their high velocities. This increases the density or electron concentration of the trapped plasma to 109 per cubic centimeter. The plasma will be confined between adjacent field lines and will form a shell of relativistic particles there between as these particles naturally "drift" around the earth. The shell so formed may be used as an anti-missile shield.

As the missile passes through shell 20, the (high intensity (e.g., 6 Mev) particles of plasma 12 penetrate the missile. As each particle does this, it loses energy principally by transferring energy to electrons in the missile by a series of elastic collisions giving a cascade of electrons which leaves the direction of the motion largely undisturbed. Eventually, the energy lost in the material of the missile manifests itself as heat, thereby raising the temperature of the material where the particles collide.

At the density and energy levels of plasma 12 within shell 20, the rate of energy deposition (i.e., heating) will be greater than can be dissipated and the material will melt or crack under thermal stress. Detectable damage will result either from burning through the walls of the missile's fuel container, damaging the electronic

systems of the missile, or from detonation of the chemical explosive triggers of the missile's warhead; the latter requiring about 200 joules per cubic centimeter of material impacted. It can be seen from the above, that by generating a shell 20 of high density, relativistic particle plasma, an effective defensive shield can be provided to guard against offensive missiles.

Antenna 15 is positioned as close as practical to the location 14 where line 11 intersects the earth's surface. Antenna 15 may be of any known construction for high directionality, for example, a phased array, beam spread angle (0) type; see "The MST Radar at Poker Flat, Alaska", Radio Science, Vol. 15, No. 2, March-April 1980, pps. 213-223."

Then HAARP:

#### NOTE WHO FUNDS DEVELOPMENT!

The High Frequency Active Auroral Research Program (HAARP) funded by the U.S. Air Force, the U.S. Navy, the University of Alaska Fairbanks, and the Defense Advanced Research Projects Agency (DARPA),[1] designed and built by BAE Advanced Technologies (BAEAT). Established in: 1993 Gakona, Alaska, United States a high power, high-frequency phased array 5.1 Gigawatts or 97.1 dBW at maximum output. The Station is powered by a set of five (5) 2500 kilowatt generators being driven by EMD 20-645-E4 diesel locomotive engines. Continuous waves (CW) transmission is generally used for ionospheric modification, while transmission in short pulses frequently repeated is used as a radar system.

Next the reader must understand that these technologies, and many other variants some of which are portable, and many of which require no electrojet produce artificial aurora, and now, a bubble of associated Very Low Frequency (VLF) military emissions (wave forms with communications and other uses, such as draining the van Allen belts) issuing from these technologies has enveloped the planet, leading to ozone destruction. The geo-weaponized production of artificial aurora destroys ozone, and heats the planet by producing *optically thin clouds*. In support see: Avakyan, S.V., N.A. Voronin (2008).

Avakyan, S.V., N.A. Voronin (2008) TRIGGER MECHANISM OF SOLAR-ATMOSPHERIC RELATIONSHIP AND THE CONTRIBUTION OF THE ANTHROPOGENIC IMPACT Proceedings of the 7th International Conference "Problems of Geocosmos" (St. Petersburg, Russia, 26-30).

[http://geo.phys.spbu.ru/materials\\_of\\_a\\_conference\\_2008/M/Avakyan\\_Voronin.pdf](http://geo.phys.spbu.ru/materials_of_a_conference_2008/M/Avakyan_Voronin.pdf)

This effect upon ozone is well known to those who design weapons:

In the US government military document: Contract N00014-90-K-2010 INTERACTION OF INTENSE LASERS AND RELATIVISTIC ELECTRON BEAMS WITH SOLIDS,

GASES AND PLASMAS [www.dtic.mil/dtic/tr/fulltext/u2/a269655.pdf](http://www.dtic.mil/dtic/tr/fulltext/u2/a269655.pdf) we read:

“2. Effects Initiated in the Middle Atmosphere: These effects are associated with the precipitation of relativistic magnetospheric electrons modulated by the solar activity. The relativistic electrons produce odd nitrogen and odd hydrogen, both of them are involved in the catalytic destruction of the ozone layer. Proposed investigations include: a. modeling of the ozone depletion caused by the relativistic electrons, and estimating of a net reduction in the heating rate of the atmosphere.”

Now, the weather service is under secrecy orders, and the facts concerning deadly ionizing UV radiation, including UVC which destroys DNA, are being concealed, to conceal the ozone damage and hence the existence of the weapons. Any citizen can confirm the UVC readings and dire situation with a simple meter of acceptable quality, such as the General UV 512C, or Omega brand units.

As is known: “UV-C, which is very harmful to all living things, is entirely screened out by a combination of dioxygen (< 200 nm) and ozone (> about 200 nm) by around 35 kilometres (115,000 ft) altitude.” We may infer that as my meter is most assuredly measuring only radiation over 220 nm, it is the ozone which is missing.



New readings of 60 have been obtained in winter (Feb 8, 2018); then 68 (Feb 26, 2018), 72 (mid-March) and 77 (Apr. 10), the above UVC reading is from fall, indicating ongoing damage.

The ozone damage and thermal effects are handled via geoengineering. This is long deployed to cover up weapons system effects, and associated heating. Two basic methods are used:

1. Adding metals to clouds and atmospheric layers to alter optical properties and allow the manipulation of cloud structures, and creation of radiation blocking clouds with microwaves.
2. Imitation of volcanic effects to reduce thermal anomalies and block weapon induced solar radiations.

Please note the dates below! Brake dust and diesel exhaust are very old factors, the cases of pathology are relatively new. Build up from nanotoxins within tissues is the cause. The main cause of dementia is the ongoing manipulation of weather with metals, to hide the effects of ozone destruction (radiation increase) from deployed weaponry. First as to volcanic effects, and their imitation in geoengineering schemes:

In THE BENEFITS, RISKS, AND COSTS OF STRATOSPHERIC GEOENGINEERING <http://climate.envsci.rutgers.edu/pdf/2009GL039209.pdf> GEOPHYSICAL RESEARCH LETTERS, VOL. 36, L19703, doi:10.1029/2009GL039209, 2009, we read (see original article for embedded citations):

The 1991 Mt. Pinatubo eruption injected 20 Tg SO<sub>2</sub> into the tropical lower stratosphere [Bluth et al., 1992], which formed sulfate aerosols and cooled the climate for about two years. As discussed by Robock et al. [2008], the equivalent of one Pinatubo every 4-8 years would be required to stop global warming or even reduce global temperature in spite of continued greenhouse gas emissions.

While volcanic eruptions inject mostly SO<sub>2</sub> into the stratosphere, the relevant quantity is the amount of sulfur. If H<sub>2</sub>S were injected instead, it would oxidize quickly to form SO<sub>2</sub>, which would then react with water to form H<sub>2</sub>SO<sub>4</sub> droplets. Because of the relative molecular weights, only 2.66 Tg of H<sub>2</sub>S (molecular weight 34 g mol<sup>-1</sup>) would be required to produce the same amount of sulfate aerosols as 5 Tg of SO<sub>2</sub> (molecular weight 64 g mol<sup>-1</sup>). Since there are choices for the desired sulfate aerosol precursor, our calculations will be in terms of stratospheric injection of any gas. H<sub>2</sub>S, however, is more corrosive than SO<sub>2</sub> [e.g., Kleber et al., 2008] and is very dangerous, so it would probably not be the gas of choice. Exposure to 50 ppm of H<sub>2</sub>S can be fatal [Kilburn and Warshaw, 1995]. H<sub>2</sub>S was even used for a time as a chemical warfare agent in World War I [Croddy et al., 2001]. However, 100 ppm of SO<sub>2</sub> is also considered “immediately dangerous to life and health” [ATSDR, 1998].

[see original article for references]

[An aside: Reader please note, NASA is in charge of a new project to tap the contents of the huge Yellowstone super-volcano. I suspect they are seeking a cost effective source of

SO<sub>2</sub> and H<sub>2</sub>S, particulates etc., to distribute, by whatever means. NASA = Never A Straight Answer, by way of the common joke. Keep an eye on this project, for its actual purpose and any..."accidents." UVC readings rise and it is possible a physical barrier against increasing incoming radiations such as perhaps an ash or acid plume is needed. There is simply no good reason NASA should have a thing to do with this!]

There are a great many patents granted which indicate the dispersal of metals into the atmosphere to ameliorate the problems caused by man's initial tampering with the system.

These ideas and their implication are obviously quite old.

Excerpts from Hughes Aircraft patent 5,003,186, Mar 26 1991.  
<http://www.freepatentsonline.com/5003186.pdf>

1. A method of reducing atmospheric warming due to the greenhouse effect resulting from a layer of gases in the atmosphere which absorb strongly near infrared wavelength radiation, comprising the step of dispersing tiny particles of a material within the gases' layer, the particle material characterized by wavelength-dependent emissivity or reflectivity, in that said material has high emissivities with respect to radiation in the visible and far infrared wavelength spectra, and low emissivity in the near infrared wavelength spectrum, whereby said tiny particles provide a means for converting infrared heat energy into far infrared radiation which is radiated into space.

The greenhouse gases layer typically extends between about seven and thirteen kilometers above the earth's surface. The seeding of the stratosphere occurs within this layer. The particles suspended in the stratosphere as a result of the seeding provide a mechanism for converting the blackbody radiation emitted by the earth at near infrared wavelengths into radiation in the visible and far infrared wavelength so that this heat energy may be reradiated out into space, thereby reducing the global warming due to the greenhouse effect.

12. The method of claim 10 wherein said material comprises aluminum oxide.

13. The method of claim 10 wherein said material is thorium oxide.

For example, aluminum oxide (Al<sub>2</sub>O<sub>3</sub>) is one metal oxide suitable for the purpose and which is relatively inexpensive.

It is presently believed that particle sizes in the ten to one hundred micron range would be suitable for the seeding purposes. Larger particles would tend to settle to the earth more quickly.

The particles in the required size range can be obtained with conventional methods of grinding and meshing.

The greenhouse gases are typically in the earth's stratosphere at an altitude of

seven to thirteen kilometers. This suggests that the particle seeding should be done at an altitude on the order of 10 kilometers. **The particles may be seeded by dispersal from seeding aircraft; one exemplary technique may be via the jet fuel as suggested by prior work regarding the metallic particles.** Once the tiny particles have been dispersed into the atmosphere, the particles may remain in suspension for up to one year.”

Of course then, they fall to earth. Please note reference above (emphasis added) to *prior work* seeding jet fuel with metals, and the date of 1991. The tools to do the job are already in place: the airline industry and military.

**THE BENEFITS, RISKS, AND COSTS OF STRATOSPHERIC GEOENGINEERING** Alan Robock, Allison Marquardt, Ben Kravitz, and Georgiy Stenchikov Department of Environmental Sciences, Rutgers University, New Brunswick, New Jersey, 2009

“Options for dispersing gases from planes include the addition of sulfur to the fuel, which would release the aerosol through the exhaust system of the plane, or the attachment of a nozzle to release the sulfur from its own tank within the plane, which would be the better option. . . .

The military has already manufactured more planes than would be required for this geoengineering scenario, potentially reducing the costs of this method. Since climate change is an important national security issue [*Schwartz and Randall*, 2003], the military could be directed to carry out this mission with existing aircraft at minimal additional cost. Furthermore, the KC-135 fleet will be retired in the next few decades as a new generation of aerial tankers replaces it, even if the military continues to need the in-flight refueling capability for other missions.

Unlike the small jet fighter planes, the KC-135 and KC-10 are used to refuel planes mid-flight and already have a nozzle installed. In the tropics, one option might be for the tanker to fly to the upper troposphere, and then fighter planes would ferry the sulfur gas up into the stratosphere (Figure 2b). It may also be possible to have a tanker tow a glider with a hose to loft the exit nozzle into the stratosphere.”

Note from:

David L Mitchell and William Finnegan 2009 Environ. Res. Lett. 4 045102:

"Since commercial airliners routinely fly in the region where cold cirrus clouds exist, it is hoped that the seeding material could either be (1) dissolved or suspended in their jet fuel and later burned with the fuel to create seeding aerosol, or (2) injected into the hot engine exhaust, which should vaporize the seeding material, allowing it to condense as aerosol in the jet contrail. The objective would not be to seed specific cloud systems but rather to build up a background concentration of aerosol seeding material so that the air masses

that cirrus will form in will contain the appropriate amount of seeding material to produce larger ice crystals."

The projected time tables for H<sub>2</sub>SO<sub>4</sub> deposition are ahead of schedule, and the first real note of sulphuric acid in jet emissions was in the 90s.

Source:

[<https://climateviewer.com/2015/03/24/chemtrails-explained-the-geoengineering-srm-field-experiment/>]

"... atmospheric sulfuric acid levels are higher today than what David Keith called for in 2020, according to Oscar Escobar:"

"According to Keith's calculations, if operations were begun in 2020, **it would take 25,000 metric tons of sulfuric acid to cut global warming in half after one year**. Once under way, the injection of sulfuric acid would proceed continuously. By 2040, 11 or so jets delivering roughly 250,000 metric tons of it each year, at an annual cost of \$700 million, would be required to compensate for the increased warming caused by rising levels of carbon dioxide. By 2070, he estimates, the program would need to be injecting a bit more than a million tons per year using a fleet of a hundred aircraft."

"Given that by 1990 **global aviation's "annual contribution to the atmospheric sulfur budget by aircraft of 2.E7 kg H<sub>2</sub>SO<sub>4</sub>**." [3], and that by 2010 Aviation emissions . . . up 110% compared to 1990 levels [4] it is safe to assume that by the year 2013, H<sub>2</sub>SO<sub>4</sub> by aircraft emissions is already at the level that would be required by 2020 for a geoengineering regime."

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The chemistry which destroys ozone through these sulfides is well known to those creating the technology (the example below is but one of a great many):

"SRM introduces damages. There is an increase in the risks of destruction of stratospheric ozone due to SRM implementation"

Above quote from:

Climate policy under uncertainty: a case for solar geoengineering Juan B. Moreno-Cruz · David W. Keith Climatic Change 2012 DOI 10.1007/s10584-012-0487-4

Now, any quality UVC meter shows the result. The clouds block the deadly radiation the weapons have allowed in. Those clouds are infused with metals to change cloud and atmospheric layer optical qualities and allow nucleation and cloud manipulation (see photos below).



### **Toxic composition determined at 99 percent confidence interval:**

There are two main component sources of particulate metals which have been revealed in rain water testing, soil testing and bodily tests:

1. Coal Fly Ash.
2. Engineered nanoparticles.

The main source is coal fly ash. (Coal fly ash also contains all the ingredients of a sulfuric acid catalyst). J. Marvin Herndon has proven the fact many times over. His papers are sometimes suppressed, as they prove crimes against humanity. When I read the papers and noted the fact that they appeared correct, I wrote him, and he was determined on the point. He confirmed my reading to a tee. *Here is the right analysis.* Contact him. A fine scientist. Air tight work, and correct procedures, each analysis backed by others.

From: Evidence of Coal-Fly-Ash Toxic Chemical Geoengineering in the Troposphere: Consequences for Public Health, J. Marvin Herndon, 2015 International Journal of Environmental Research and Public Health (<http://nuclearplanet.com/ijerph-original.pdf>):

“Abstract: The widespread, intentional and increasingly frequent chemical emplacement in the troposphere has gone unidentified and unremarked in the scientific literature for years. The author presents evidence that toxic coal combustion fly ash is the most likely aerosolized particulate sprayed by tanker-jets for geoengineering, weather-modification and climate-modification purposes and describes some of the multifold consequences on public health. Two methods are employed: (1) Comparison of 8 elements analyzed in rainwater, leached from aerosolized particulates, with corresponding elements leached into water from coal fly ash in published laboratory experiments, and (2) Comparison of 14 elements analyzed in dust collected outdoors on a high-efficiency particulate air (HEPA) filter with corresponding elements analyzed in un-leached coal fly ash material. The results show: (1) the assemblage of elements in rainwater and in the corresponding experimental leachate are essentially identical. At a 99% confidence interval, they have identical means (T-test) and identical variances (F-test); and (2) the assemblage of elements in the HEPA dust and in the corresponding average un-leached coal fly ash are likewise essentially identical. The consequences on public health are profound, including exposure to a variety of toxic heavy metals, radioactive elements, and neurologically-implicated chemically mobile aluminum released by body moisture in situ after inhalation or through transdermal induction.

Keywords: geoengineering; coal fly ash; aerosol particulates; chemtrails; autism spectrum disorder (ASD); Alzheimer’s disease; Parkinson’s disease; attention deficit hyperactivity disorder (ADHD); neurological disorders; chemically mobile aluminum

In the spring of 2014, the author began to notice tanker-jets quite often producing white trails across the cloudless blue sky over San Diego, California. The aerosol spraying that was happening with increasing frequency was a relatively new phenomenon there. The dry warm air above San Diego is not conducive to the formation of jet contrails, which are ice condensate. By November 2014 the tanker-jets were busy every day crisscrossing the sky spraying their aerial graffiti. In a matter of minutes, the aerosol trails exiting the tanker-jets would start to diffuse, eventually forming cirrus-like clouds that further diffuse to form a white haze that scattered sunlight, often occluding or dimming the sun. Aerosol spraying was occasionally so intense as to make the otherwise cloudless blue sky overcast, some areas of sky turning brownish. . . . The necessity for daily aerosol emplacement stems from the relatively low spraying-altitudes in the troposphere where mixing with air readily occurs bringing down the aerosolized particulates and exposing humanity and Earth's biota to the fine-grained substance.

With its normally limited natural cloud cover San Diego is ideal for observing tanker-jet dispersal of ultra-fine particulates. Because the city lacks heavy industries and their particulate pollution, it is an ideal environment to ascertain by rainwater measurement the nature of the specific particulates being sprayed which are leached by rainwater. The author personally collected rainwater samples for chemical analysis and compared those data to corresponding average values of experimental leachate chemical analyses [10], which as shown below provides a firm basis for identifying the particulate substance being emplaced as an aerosol in the troposphere as coal fly ash. Because of persistent spraying, rainwater devoid of spray contamination was not available.

For three months during a period of intense aerial spraying in 2011, an individual in Los Angeles, California captured and had analyzed outdoor air-borne particulates. The results were posted on the Internet [11]; subsequently the author obtained the analytical laboratory report. The requested analyses returned results for aluminum, barium and twelve trace elements. But the meaning of the data was not clear at the time. Comparison of those data with corresponding pre-leach average coal fly ash chemical analyses (Table 1), as shown below, further reinforces the correctness of identifying the particulate substance as coal fly ash that is being sprayed into the troposphere by tanker-jets for geoengineering.

Like a fingerprint, the 8-element ratios of the San Diego rainwater extract of the tropospheric-emplaced particulate matter match element-by-element the laboratory water extract of coal fly ash within the range of observations. Said another way, the tropospheric-emplaced matter has the same water-leach characteristics as coal fly ash for at least eight elements, which is indeed strong evidence of the identification of the aerosolized substance as coal fly ash. For any indicated element the difference between the rainwater extract and average experimental coal fly ash element extract is less than the differences observed between the element extracted experimentally from the various coal fly ash

sources [10]. Without mass or volume totals, statistical treatment was somewhat limited. Nevertheless, at a 99% confidence interval, the assemblage of elements in the rainwater and in the corresponding experimental leachate have identical means (T-test) and identical variances (F-test). Furthermore, the 8-element “fingerprint” shown in Figure 3 is comprised of elements with different chemical properties and thus provides extremely strong validation of the hypothesis: Coal fly ash is most likely the aerosolized particulate sprayed in the troposphere by tanker-jets for geoengineering, weather-modification and climate-modification purposes.”

From Further Evidence of Coal Fly Ash Utilization in Tropospheric Geoengineering: Implications on Human and Environmental Health by J. Marvin Herndon and Mark Whiteside 2017 (of the Florida Department of Health in Monroe County) DOI: 10.9734/JGEESI/2017/31417 Journal of Geography, Environment and Earth Science International, we read (see original article for embedded citations and laboratory techniques):

Abstract:

“We disclose a fourth independent line of evidence, based on the co-precipitation technique, pointing to coal fly ash as the material utilized in tropospheric geoengineering, and describe some of the adverse environmental and public health risks associated with its persistent application. During a snow storm, the fluffy snow traps geoengineering-aerosol-particulates and brings them down with the snow. The results of the ICP-MS analytical measurements of the snow-melt particulates we tested are consistent with three independent lines of evidence that coal fly ash is the main aerosolized particulate used for tropospheric geoengineering. Coal fly ash tropospheric geoengineering inhibits rainfall to change weather/climate which disrupts habitats, including arable habitats. Long periods of artificially induced drought can wreak economic disaster on farmers, and shift the delicate balance in nature, weakening natural defenses and giving a boost to aggressive pathogens. Coal fly ash when exposed to water or body fluids can release a host of toxic chemicals including neuro-toxic aluminum in a chemically mobile form and carcinogens such as arsenic, hexavalent chromium, and the radioactive elements, uranium, thorium and their daughter products. The only safe geoengineering is no geoengineering at all.

Fig. 2 shows the elemental analyses, normalized to barium, indicated by X's, of the solid matter brought down by the snow storm. The solid red lines indicate the ranges of the corresponding element ratios measured in 23 samples of European coal fly ash [21]. The blue lines indicate similar ranges for 12 American coal fly ash samples [22]. The variation in the ranges of the European and American coal fly ash result primarily as a consequence of different relative amounts of accessory elements that occur in coal. Variation also occurs as a result of different physical burner conditions. Note that the X's fall within or very near the ranges for the entire 22 element ratios determined from the evaporated snow-melt. This constitutes a preponderance of evidence that the snow had captured and brought

down aerosolized coal fly ash.

Statistical treatment of the measured elemental ratios is inappropriate as the comparison is not being made to one related set of data but to a group of independent sets of potentially variable populations. Nevertheless, there are two other independent sets of data which lend confidence to the coal fly ash data interpretation. These are elemental analyses of dust collected with high-efficiency air filters run outdoors for periods of three months, indicated by up-facing triangles, and fibers found on grass after snow had melted, indicated by open circles [4,5]. Whereas these three independent data sets are compared directly with coal fly ash, there is yet another different type of comparison. Analytical measurements of element ratios in filtered rainwater, presumably leached from aerosolized coal fly ash, are compared with laboratory leachate data on coal fly ash [3,4]. Those results show that the aerosolized particulate matter has the same water-leach characteristics as coal fly ash.

The results of the analytical measurements of the snow-melt particulates, as described here are consistent with three independent lines of evidence that coal fly ash is the main aerosolized particulate. This is also consistent with the economics and logistics of near-daily, near-global tropospheric spraying. Coal fly ash is a major industrial waste product that in Western nations must be trapped and sequestered. As trapped it is composed of micron and submicron size grains. Coal-burning utilities possess the necessary production facilities for electrostatic trapping coal fly ash.

Furthermore, for utilization of tens of millions of tons per year, coal fly ash is much less costly than manufactured ultra-fine particulates. Moreover, it has desirable properties for weather/ climate alteration. Coal fly ash retards the nucleation of rain not only by interfering with moisture droplet coagulation, but also by absorbing moisture. Sprayed into the troposphere, coal fly ash retards heat loss from the Earth and warms the atmosphere. As the typically dark ash settles on ice and snow it absorbs heat and changes the albedo. All of these properties suggest that one effect of the ongoing tropospheric geoengineering, whether intended or not, is to intensify the warming of the planet.

One major purpose of coal fly ash tropospheric geoengineering is to inhibit rainfall either to change weather/climate or to deliberately cripple an agricultural economy and inflict hardship and suffering [5]. Concerted tropospheric geoengineering with coal fly ash disrupts habitats, including habitats where humans have found arable conditions. Long periods of artificially induced drought can wreak economic disaster on farmers, and shift the delicate balance in nature, weakening natural defenses and giving a boost to aggressive pathogens, such as extreme-tolerant fungi. Added to soil coal fly ash can alter the pH and release readily leached toxins such as aluminum in a chemically mobile form which is detrimental to many plants and animals, including humans [24]. Coal fly ash is an unnatural product which when exposed to water or body fluids can

release a host of toxic chemicals including aluminum in a chemically mobile form. Aluminum is associated with and implicated in human neurological diseases, such as Autism Spectrum Disorders, Alzheimer's, Parkinson's and Attention Deficit/Hyperactivity Disorder [25-29]. Aluminum is similarly involved in neurological disorders of bees [30], rats [31], rabbits [32] and presumably other creatures. Aluminum is also thought to decrease male fertility [33]. Yet aluminum is but one of a number of toxic heavy-metal elements contained in coal fly ash that can be extracted by water or by body moisture; these include, for example, carcinogens such as arsenic, hexavalent chromium, and the radioactive elements, uranium, thorium and their daughter products.

Evidence indicates that coal fly ash has been being sprayed into the troposphere for at least 15 years, and, because the covert nature of the operation, there have been virtually no public health and environmental health investigations in the scientific literature, a situation the authors believe the scientific community should no longer ignore. Some guidance, however, is available from extensive studies [34] of pollution particles  $\leq 2.5\mu$  across, approximately the same particle size range of aerosolized coal fly ash [35]. Pollution particles in that size range (PM2.5) from epidemiological studies are associated with: Alzheimer's disease [36,37], lung cancer [38], risk for stroke [39], risk for cardiovascular disease [40], lung inflammation and diabetes [41], reduced renal function in older males [42], morbidity and premature mortality [43-45], decreased male fertility [46], low birth weight [47], onset of asthma [48], and increased hospital admissions [49]."

**Please understand the importance of what I have just shown you:**

IT IS NOW PROVEN TO A 99 % CONFIDENCE INTERVAL THAT THE CITIES OF SAN DIEGO AND LOS ANGELES HAVE BEEN ILLEGALLY EXPERIMENTED UPON AND THEIR POPULATIONS POISONED BY THE US GOVERNMENT.

Reader, please do closely examine the following:

<http://nuclearplanet.com/ijerph-original.pdf>

<http://nuclearplanet.com/mw1.pdf>

<http://nuclearplanet.com/indjsrt.pdf>

<http://nuclearplanet.com/2173.pdf>

<http://nuclearplanet.com/frontiers1.pdf>

**Photographic evidence:**

There is ample satellite evidence of the massive spraying of unknown toxins and chemicals upon world populations.

<http://www.geoengineeringwatch.org/climate-engineering-fact-and-photo-summary/>

Photos below used with permission of Dane Wigington and Geoengineeringwatch.org. There is ample photographic evidence of these manipulations across the globe:

# What experiments are governments around the world carrying out in our skies without the knowledge and consent of populations?



*NASA satellite image of the California coastline (radio frequency / microwave transmission manipulation of aerosolized cloud cover / marine layer).*



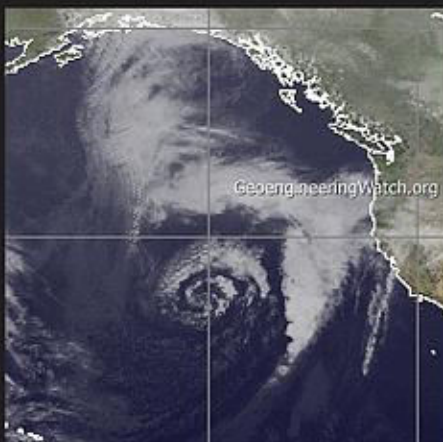
*NASA image taken of African west coast (radio frequency / microwave transmission manipulation).*



*An aircraft dispersion of climate engineering particulates is manipulated with radio frequency / microwave transmissions. Palm Springs, California. Photo credit: Ron Morgan*



*An existing atmospheric saturation of climate engineering particles is manipulated with radio frequency / microwave transmissions. Port Washington, New York. Photo credit: Matt Jared.*



*NOAA satellite image, radio frequency / microwave transmission manipulation of Eastern Pacific storm system*



*NASA satellite image, radio frequency / microwave transmission manipulated square cloud formation*

**How unnatural do our skies need to become before populations begin to look up and investigate?**



Yet more damning excerpts from the 750 page US Senate / Federal Weather modification document are below:

| CHAPTER 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CHAPTER 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INTERNATIONAL ASPECTS OF WEATHER MODIFICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ECONOMIC ASPECTS OF WEATHER MODIFICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| (By Lois McHugh, Foreign Affairs Analyst, Foreign Affairs and National Defense Division Congressional Research Service)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (By Warren Viessman, Jr., Senior Specialist in Engineering and Public Works, Congressional Research Service)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| INTRODUCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | INTRODUCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <p>Recent years have seen increased international awareness of the potential benefits and possible <b>risks of weather modification technology</b> and increased international efforts to control such activities. The major efforts of the international community in this area are to encourage and maintain the high level of cooperation which currently exists in weather reporting and research and to insure that man's new abilities will be used for peaceful purposes rather than as <b>weapons of war</b>. This two sided approach is evident in the activities of the United States which has strongly encouraged and supported cooperative efforts to gain knowledge of the weather and at the same time has endeavored to restrict the use of this knowledge to peaceful purposes through the adoption of international agreements.</p> <p><b>Weather research and reporting has long been one of the areas having the closest international cooperation.</b> Because of the global nature of weather systems, making the prediction of weather in one area dependent on reported weather in other parts of the world, cooperation and exchange of information and techniques of weather research and reporting are necessities. <b>This cooperation transcends ideological differences and hostilities.</b></p> <p><b>International cooperation in the exchange of ideas on and methods of weather modification has also been extensive.</b> Many well attended</p> | <p>Several weather modification processes have economic implications of great significance. Many sectors of agriculture, industry, and commerce may reap benefits or sustain losses as a result of shifts from historic weather trends. The difficulty is that until the technology is more highly developed and control systems perfected to permit reliable predictions of outcomes, attempts to quantify benefits and costs will, in many cases, be more academic than practical.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <p>The Commission also recommended that greater use be made of statisticians in analyzing Government-sponsored research in weather modification and that statistics be given greater emphasis in related academic programs for meteorologists. In addition, there is a need to assess more fully the social and economic implications of weather modification experimentation, and all agencies engaged in weather modification attempts should give attention to the social implications.</p> <p>With regard to the legal system, the Commission recommended that the Federal Government be empowered by appropriate legislation to: (a) delay or halt all activities—public or private—in actual or potential conflict with weather and climate modification programs of the Federal Government; (b) immunize Federal agents, grantees, and contractors engaged in weather and climate modification activities from State and local government interference; and (c) provide to Federal grantees and contractors indemnification or other protection against liability to the public for damages caused by Federal programs of weather and climate modification.</p> |

The yellow highlighted statements on the document above are of particular interest. In summary, this US Senate document calls for the complete cooperation with NORMALLY ADVERSARIAL NATIONS due to cross border ramifications from climate engineering. All major powers are colluding, collaborating and cooperating in regard to the ongoing climate engineering crimes and coverup.



Nyon, Switzerland. Photo credit: Romain Silvestre



Livingston County, Michigan. Photo credit: Lyn Connolly



Knoxville, Tennessee. Photo credit: Marla Stair-Wood



Palmdale, California. Photo credit: Petie Cepeda



## Climate modification and microwave transmissions

Populations are blindly accepting and ignoring the dangerous radio frequency / microwave transmission towers that are increasingly being constructed throughout our country (and the world). If you thought transmission towers were only for cell phone signal repeating, this is not the case.



*Radio frequency / microwave transmission towers in Redding, California. Photo credit: Joyde Wigington*



*The massively powerful HAARP ionosphere heater transmission facility in Alaska.*



*Sea based X-band radio frequency / microwave transmission platform.*



*SBX transmission platform interior transmitter.*



*This NASA satellite image taken off the west coast of Africa reveals extensive microwave transmission manipulation.*



*This NASA satellite image clearly reveals many overlapping radio frequency / microwave transmissions in aerosolized cloud formations.*

The ongoing atmospheric aerosol spraying and microwave / radio frequency transmissions are wreaking havoc with the Earth's life support systems and human health.



London. Photo credit: Ben Collinge, 2018

My tests:

I have tests of my body, hair, water, rain and crops. I will include this test, you may see a pan of fresh water left out for a week at the height of summer spraying. Note contaminants associated with fly ash, collected entirely from the air I breathe (contamination here is heavy, I suggest you test your rain water):



www.basiclab.com

2218 Railroad Avenue  
Redding, California 96001

voice 530.243.7234  
fax 530.243.7494

3860 Morrow Lane, Suite F  
Chico, California 95928

voice 530.894.8966  
fax 530.894.5143

**Report To:** NORMAN, RICH  
POST OFFICE BOX 387  
O'BRIEN, OR 97534

**Attention:** RICH NORMAN  
**Project:** GENERAL TESTING

**Description:** AIR/WATER SAMPLE

**Matrix:** Water

**Lab No:** 17I0245  
**Reported:** 09/27/17  
**Phone:** (541) 287-0163

**Lab ID:** 17I0245-01

**Sampled:** 09/04/17 15:00

**Received:** 09/07/17 09:51

## Metals - Total

| Analyte    | Units | Results | Qualifier | MDL | RL  | Method    | Analyzed | Prepared | Batch   |
|------------|-------|---------|-----------|-----|-----|-----------|----------|----------|---------|
| Aluminum   | ug/l  | 309     |           | 1.5 | 5.0 | EPA 200.8 | 09/25/17 | 09/19/17 | B7I0965 |
| Barium     | "     | 73.6    |           | 0.1 | 0.5 | "         | "        | "        | "       |
| Molybdenum | "     | 0.4     | J         | 0.1 | 0.5 | "         | "        | "        | "       |
| Strontium  | "     | 173     |           | 0.1 | 0.5 | "         | "        | "        | "       |
| Vanadium   | "     | 1.4     |           | 0.1 | 0.5 | "         | "        | "        | "       |

## Notes and Definitions

- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). The J flag is equivalent to the DNQ Estimated Concentration flag.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the detection limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- < Less than reporting limit
- ≤ Less than or equal to reporting limit
- > Greater than reporting limit
- ≥ Greater than or equal to reporting limit
- MDL Method Detection Limit
- RL/ML Minimum Level of Quantitation
- MCL/AL Maximum Contaminant Level/Action Level
- mg/kg Results reported as wet weight
- TTLC Total Threshold Limit Concentration
- STLC Soluble Threshold Limit Concentration
- TCLP Toxicity Characteristic Leachate Procedure
- Note 1 Received Temperature - according to EPA guidelines, samples for most chemistry methods should be held at ≤6 degrees C after collection, including during transportation, unless the time from sampling to delivery is <2 hours. Regulating agencies may invalidate results if temperature requirements are not met.
- Note 2 According to 40 CFR Part 136 Table II, the following tests should be analyzed in the field within 15 minutes of sampling: pH, chlorine, dissolved oxygen, and sulfite.

  
Approved By

Basic Laboratory Inc  
California ELAP Cert #1677 and #2718

## **Implications.**

It is well and long known that these toxins, and even more strikingly, these *Particle Sizes*, create disease:

Bondi SC. Prolonged exposure to low levels of aluminum leads to changes associated with brain aging and neurodegeneration. *Toxicol.* 2014;315:1-7. 26.

Good PF, Olanow CW, Perl DP. Neuromelanin-containing neurons of the substantia nigra accumulate iron and aluminum in parkinson's disease: A lamina study. *Brain Research.* 1992;593:343-346.

Prasunpriya N. Aluminum: Impacts and disease. *Environ. Res.* 2002;82:101-115.

Rondeau V, Jacqmin-Gadda H, Ciomenges D, Helmer C, Dartigues JF. Aluminium and silica in drinking water and the risk of alzheimer's disease or cognitive decline: Findings from 15- year follow-up of the paquid cohort. *Am. J. Epidemiol.* 2009; 169:489-496.

Yokel RA, Rhineheimer SS, Sharma P, Elmore D, McNamara PJ. Entry, half-life and desferrioxamine-accelerated clearance of brain aluminum after a single al-26 exposure. *Toxicol. Sci.* 2001;64:77

Aluminium oxide nanoparticles induce mitochondrial-mediated oxidative stress and alter the expression of antioxidant enzymes in human mesenchymal stem cells. Ali A. Alshatwi, Periasamy Vaiyapuri Subbarayan, E. Ramesh, Amal A. Al-Hazzani, Mohammed A. Alsaif & Abdulrahman A. Alwarthan *Food Additives & Contaminants: Part A* Vol. 30 , Iss. 1,2013  
<http://www.tandfonline.com/doi/abs/10.1080/19440049.2012.729160>

Size-Dependent Neurotoxicity of Aluminum Oxide Particles: a Comparison Between Nano and Micrometer Size on the Basis of Mitochondrial Oxidative Damage. Mirshafa A Nazari M Jahani D Shaki F *Biol Trace Elem Res.* 2017 Aug 30. doi: 10.1007/s12011-017-1142-8.  
<https://www.ncbi.nlm.nih.gov/pubmed/28856594>

Neurotoxicity of nanoscale materials

<http://www.sciencedirect.com/science/article/pii/S1021949814000131>

Uptake of Silica Nanoparticles: Neurotoxicity and Alzheimer-like Pathology in Human SK-N-SH and Mouse Neuro2a Neuroblastoma Cells  
[https://www.researchgate.net/publication/262341676\\_Uptake\\_of\\_Silica\\_Nanoparticles\\_Neurotoxicity\\_and\\_Alzheimerlike\\_Pathology\\_in\\_Human\\_SK-N-SH\\_and\\_Mouse\\_Neuro2a\\_Neuroblastoma\\_Cells](https://www.researchgate.net/publication/262341676_Uptake_of_Silica_Nanoparticles_Neurotoxicity_and_Alzheimerlike_Pathology_in_Human_SK-N-SH_and_Mouse_Neuro2a_Neuroblastoma_Cells)

Nanoparticles Can Damage DNA, Increase Cancer Risk  
<https://www.sciencedaily.com/releases/2007/04/070417154357.htm>

Neurotoxicity of silica nanoparticles: brain localization and dopaminergic neurons damage pathways  
<https://www.ncbi.nlm.nih.gov/pubmed/21526751>

Size-Dependent Neurotoxicity of Aluminum Oxide Particles: a Comparison Between Nano- and Micrometer Size on the Basis of Mitochondrial Oxidative Damage  
<https://www.ncbi.nlm.nih.gov/pubmed/28856594>

### **Aluminum feminizes Human offspring.**

“. . . workers in the aluminum industry (Milham, 1993), and others exposed to organochlorine, as well as other pesticides, and waste anesthetic gases (Wyatt & Wilson, 1973) had significantly more female than male offspring.”

Rittler, Mônica, & Castilla, Eduardo E.. (2002). Endocrine disruptors and congenital anomalies. Cadernos de Saúde Pública, 18(2), 421-428. <https://dx.doi.org/10.1590/S0102-311X2002000200006>

Strontium overload and toxicity: impact on renal osteodystrophy. Nephrol Dial Transplant. 2002;17 Suppl 2:30-4. Cohen-Solal M  
<https://www.ncbi.nlm.nih.gov/pubmed/11904356>

“Studies have demonstrated an association between the accumulation of strontium in bone and the presence of osteomalacia. . . . Studies indicated that the accumulation of metals in bone might be synergistic. Aluminium bone content was shown to be higher when both aluminium and strontium were administered compared with when only strontium was given.”

### **Strontium substitutes for calcium.**



**I believe that: Multiple myeloma, cancers of the bone and aluminum related bone diseases are assured. Aluminum is a cumulative toxin.**

From:

Aluminium and bone disease in chronic renal failure  
Malluche HH Nephrol Dial Transplant. 2002;17 Suppl 2:21-4.  
<https://www.ncbi.nlm.nih.gov/pubmed/11904354>

“Because aluminium is sequestered in bone for long periods, its toxic effects are cumulative. As a result, even intermittent or low-dose use of aluminium-based phosphate binders adds to the total load of this toxin in the bone; thus, aluminium use is inadvisable, even for a 'rescue indication'.”

---

I conclude we see one of the largest crimes ever perpetrated. Please observe:

At—LA: 3.976 Million population and San Diego: 1.407 Million population—

We may estimate a conservative total of over 5 million people. Let us reduce the likely twenty years of life taken from each citizen to ten, and find a conservative figure of 50 million years of life stolen by geoengineering in just those two cities! The contaminant analysis is at 99 percent confidence interval. To consider the demonstrated worldwide population effects I (being of Jewish descent) deduce: this is a crime against humanity, larger than that of the Nazis.

Scientists discuss these topics: <https://www.youtube.com/watch?v=FeTaejpg18g>

Please read the complete analysis in, [\*The Answer: Roadmap for a New Humanity\*](#).

For more information, I may be contacted through the staff contact page at [www.mindmagazine.net](http://www.mindmagazine.net)

Rich Norman  
School of Advanced International Studies on Applied Theoretical  
and Non Linear Methodologies of Physics, Bari, Italy.  
Editor, *Mind* magazine; Editor, *Journal of Unconscious Psychology*;  
Scientific Advisor Thunder Energies Corporation  
[https://www.researchgate.net/profile/Rich\\_Norman/publications](https://www.researchgate.net/profile/Rich_Norman/publications)

Excerpt from The Answer: Roadmap for a New Humanity (see original text for listed references and citations):

Over the shadowed hillside the moon hangs, silver ice piercing the cold, pure and cold is the shivering night but still and brittle, waiting. Upon splintered dewdrops and crushed frost, time is frozen in platinum still—as ice. Clear is the brittle heart of time. The horizon of time’s spending is a hungry wish, but cracked and stiff ...a dream of daylight, soaking rich and warm within the marrow of all things, slowly, teasing open the frosted chill, the first drops of amber, drawn up within the empty arch, hints of promise, unfolding beneath the sky. How bashful is hope, teased awake and warmed, within the seconds unfolding. Upon shattered crystal drops of ice, she casts her tender promise, each splinter winking, violet and ruby, emerald, spattered sparks adorn the frosted hill, now glittering beneath the first of dawn’s spilling.

Within silence, time fills...and is warmed, ice solved and flowing, the creaking shadows begin to speak, stiff and aching, soothed and warmed within honied folds poured, shouldered warmth spilling upon the arching hill, glittering, rising to meet dawn’s hollow curve and accept her offering, so glad and rich is the dawn, poured within the hollow of night’s ending.

This is time’s gift and richest promise: Time’s becoming.

I have found a beautiful truth hidden beneath the ages—hidden, beneath an ugly question. Let us ask this question, and answer it. Let us bring the dawn.

Why? Why is mankind so unkind? Why is the play of life always a tragedy cast over the sweep of years? Each new day rises, warm and filled with time’s gracious offering, yet, the promise is never met. Empty and wanting, the heart of man fills itself with sound and anguish turned round into rage, for any singing noise or crumpled shout is better than the emptiness within, unquenchable, is the heart of man. His contractions fill the empty pit of his hollow heart, waiting for reason to end his desperate turning anguish. Each morsel of praise soon fades, and want again claims the chest of hope, and empties it. Grasping fists of wind and blood, he imagines his hollow soul might be filled as his gut, and within his hand he holds what he might tear, and closes his fist proclaiming: *Mine!* More and more he rips into the earth and hungry future, hoping in his secret heart for ending, and peace—always grasping and swallowing—from *without*, his emptiness must be filled! But a pit of hollow air is he, gutted and bottomless. Why?

To answer that question, we will need to understand some psychology.

### **Transference and sublimation.**

The following is a functional model created to greatly simplify the complex mental system and allow the reader to understand it in order to alter their own mindset. This model, although scientifically correct, is not meant to be anatomically specific or theoretically precise in the details and terms—this is meant as functional, intelligible



psychology, a working model to allow the reader hands-on access to the system, so they may change it themselves. The papers in the latter sections of this book offer more accurate complexity and detail, for those interested.

If we are to approach the problem of altering the basic conditions which lead to human unhappiness, we must first ask the question upon which the proposition is based: “Why does man create the reality, the world that he does?” The first question is that of reality creation. Let us see how reality is created, then we may see why. Please read the detailed papers in the later portions of this book for specific citations and references supporting the following general ideas.

Human ontology, meaning the way humans create the reality around them as it exists, is a function of what is called the transference. In transference, we give the world around us its meaning and existence. Each person has their own definition of reality, no two are the exact same. This *subjectivity* as it is known, is the essence of hope as it implies the possibility that one might change one’s definition of reality, and alter the way life is experienced. Each of us perceives the internal representation of the world within our minds as interpreted from sensory data arriving from our sense organs. The way one human interprets sensory data and any other human are different, so, we say each person’s impression of reality, meaning the reality they create, is subjective on a per-subject basis.

There are two basic aspects to the definition of reality within the individual case: Taxonomy and Quality. Taxonomy, refers to the category of a perception. Quality refers to how the perception is defined affectively, emotionally.<sup>1</sup> All agree on what an object is, but no two exactly agree as to how that object is affectively encoded, meaning: how it *feels*. This is a basic statement of one of the most important philosophical problems, the “hard problem of consciousness.” The hard problem of consciousness is that of explaining subjective qualitative experience. [see: Quantum Unconscious Pre-space paper within this text.] Why does one person experience one subjective impression, and another person a different one? Within this problem, lies the entire of psychology, hope and human change. Each perceives differently. An example will help.

The lake you see should you gaze upon one, and the one I see, should I be beside you, are not the same lake, as each perceives the view. The quality of that various impression within each of us, is entirely created as a function of the conglomeration of affective associations (and aspects of unconscious fantasy as will be discussed), which are attached to the singular impression of the lake. Think of free association, and this becomes easily accessible, and we can see why such a technique is valuable in gaining insight into the processes which create object quality, and in assessing the general health and accuracy of emotional tone as they define experience.

Here are two hypothetical associative chains:

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<sup>1</sup> As we will see, affect, feeling is itself the very source of all consciousness.

Healthy subject: Stimulus: lake. Associative chain (hypothetical): Lake–silver–ripples–dress–fluttering–mother–happiness.

Neurotic subject: Stimulus: lake. Associative chain (hypothetical): Lake–cold–drown–hopeless–weight–chain–family.

We can see in that simple example, that associative affective valence is established as a function of memory, to define object quality.

However, static mnemonic associations from the past are not all that provide quality and definition to experience. Feeling, affect, defines experience from an active source which is ordinarily out of view, or ‘unconscious’ as is the proper term. Many processes which create mental effects are unconscious, and many of our drives are unconscious. Reality is created and given quality largely as a function of one's drives *sublimated* into reality. An example will clarify.

#### Sublimation:

Human perceptual *ontology*, meaning, the way objects and current situations become manifest experience and gain their qualitative and taxonomic *existence*, is a function of sublimation. Sublimation is defined as the redirection (or secondary affective application) of a specific drive (or compounded conglomerative structure thereof) to alternative aims. A new lover who holds his beloved in his mind as a source of constant fantasy, is dreaming. The dream he cherishes, is that of his beloved. The drive expressed in his fantasies and dreams, is that of sexual union with his beloved. His overt sexual fantasies and, day-dreams which symbolize the same, are a constant source of ideational sustenance to him. These dreams which are, or represent, sexual expression are therefore sourced in his sexual drives, which exist in a practical and specific sense to sustain the race through procreation. However, as our imaginary lover looks out at the world, it is not the same perception as observed on an ordinary day. It is voluptuous and full of beauty, thick and rich with warmth and color, a different world, yet the same. Its *quality* has changed, and become an expression of happiness, and fullness. Indeed, neuroses are known to be “cured” (if temporarily) by falling in love, the faulty negative valence the neurotic attributes to his world has been ameliorated in its pathology. It appears that a healthy dream underlies our lover's perceptions, and that this dream once formed up as a healthy matter of heterosexual expression, changes his world. His world has had its quality defined, as a function of the valence of his drives, which are now sublimated into perceptual experience—The sexual drives now functioning as an enhancement to all quantitative perception...not just as drives with sexual aims singly to create procreation. This is therefore a sublimation.

Each moment, all experience is given its particular quality by way of the sublimation of static mnemonic sources (as an associative chain), and unconscious fantasy. There is a hidden dream, a source of affective sublimation beneath reality. We are always dreaming. The dreaming (REM) system is *older* than the system for sleep onset, and, older than the system for modern waking consciousness. Our ancestors utilized the REM system as primary consciousness, and now, REM functions unconsciously to give quality to

manifest experience. Indeed, a clear and demonstrable dream, underlies modern waking consciousness. This “dream” is but a constant stream of unconscious, meaning unobserved fantasy.

If we are to change the fixations and misery of man, we must change the underlying dream and its wishful source, the drives. We must dream again. Psychoanalysis works by exposing, interpreting the hidden dream. Dreams express wishes and drives. In a simplified way: Psychoanalysis functions to find a fixated, hidden (unconscious) dream, and watch it repeat. Such a fixated dream exists underneath the broken race of man. This hidden dream in the case of the neurotic is repressed, meaning he keeps it away from consciousness, that is, it is unconscious. (It is often not hidden in some cases of perversion).

The transference neurosis and the repetition compulsion:

How do we find the pathogenic dream in psychoanalysis, and just what is it doing to create symptoms?

Within proper psychoanalytic practice, we find the elusive kernel of its therapeutic efficacy: an artificial neurosis which reveals the hidden pathological constituents to the therapist, and so, allows him to cure the difficulties—“*The Transference Neurosis*.” The patient is given a set of rules to follow which will allow him to ever more closely approach the tender spot of his injury, and so, he follows these rules with care, and associates his dreams and thoughts, following the associative mechanics of mental operations and symbolism itself to their repressed and so, necessarily painful source. Obviously, nothing pleasurable need be repressed, and even those clearly pleasurable drives which might be repressed, are in fact paired with stern moral judgement, and so, have a clearly negative valence...although the drive may be pleasurable of its own accord. A child may be told not to play with its feces, an activity the child finds pleasurable, yet, this activity takes on the associative affect of disgust once paired with moral rebuke, and then goes under repression...the reaction *formed and enforced by the parent, that of disgust*, taking the place of the pleasurable drive in consciousness. This is the basic idea behind the formative repressive mechanism of “Reaction Formation.” Our disgust, or painful reaction to a drive or event, will cause its repression. Once a very energetic drive or a particular event is repressed, it will attempt in direct relation to its quanta of energy, to return to consciousness and must then remain held away to insure the repression...note closely, that this constant battle to return to consciousness and subsequent need to reinforce and recreate the repression, are themselves the functional basis of neurosis: The Return of the Repressed. Note how repression itself, sets up the conditions for pathology. To repress a drive, is to create the conditions for its return to consciousness, and so, form symptoms.

As the patient progresses through therapy, he reaches a point where he is no longer able to follow the rules...he begins to ACT OUT instead of analyze, to REPEAT his hidden ideation in a compulsive way, rather than work through his associations. His is compelled to repeat the pathogenic ideation, and does so as a transference often enough projected upon the therapist, who has made sure not to reveal himself insuring the

transferred attitudes of the patient and reactive statements concern only the patient's internal content. The "unconscious resistance," this compulsion to repeat, is the *repetition compulsion*, an urge to simply repeat the pathogenic source impressions...rather than identify them and work them out. These unconscious impressions act to create the transference which sublimates (neurotic) affect into reality, and now, in this artificial neurosis upon which psychoanalytic practice is based ...*the transference neurosis*...we can see the *acting out* of this once hidden source, the repeating of it over and over, in therapy. The therapist may then seek to interpret the repetitions and identify the source, which often times is *reconstructed* from observation of this transference neurosis, and then, said construction is presented to the patient. Once conscious as a construction, the energies bound into the unconscious element may fade, as the source is now conscious as a construction. The dream beneath the neurotic's qualitatively impoverished perceptions, is thereby discovered, and adjusted to ameliorate pathology.

Please think of the unconscious influence upon reality creation as being analogous to a hidden magnet under a table top which is turning and influencing a magnet on the table's visible upper surface. The unconscious dream beneath, as the lower magnet turning by an unseen hand, makes the visible magnet on the table top rotate, as if by some hidden influence. So does the hidden dream in the unconscious affect the reality we see. If that dream is fixated, unchanging and fixed, we may expect reality not to change. In the behavior and *history* of man, we see just such an intransigent fixation as this.

I hope you can begin to see that the transference creating reality for humans can be healthy, or unhealthy as in the case of neurotic fixation or the transference neurosis within therapy. It appears that repression, meaning the keeping of thoughts at a distance from consciousness is key, for the unconscious dream must be found and it is not easy to do this, as the fantasies and wishes are unconscious, hence, not available to see. Next, we will then need to find the agent which induces repression. Let us call the unconscious drives and wishes the id, meaning 'it,' in German (that which is dissociated from self, repressed). We may roughly ascribe the limbic structures as a main locus of the id. Next we will discuss very briefly the agent of repression, the ego. After that, we will delve at some depth into the super-ego, then, the agents of historical and current epigenetic influence and those of transformation.

Ego is in a dread spot. The super-ego is analogous to our conscience and is itself an extension of the *id*, the id being composed of our repressed wishes and drives. The super-ego knows all repressed thoughts as it is connected to the id, however, the hapless ego is forced by way of guilty punishment sourced from the super-ego, to repress certain drives and expend energy in repression to make them vanish into the unconscious. The ego then, is no longer aware of them once these ideations are repressed. Psychoanalysis reinstates this awareness to gain its positive effects...a painful and reliable process. Please note how repression sets up the basic conditions for illness, which psychoanalysis cures.

What is the hapless ego of psychoanalysis, anatomically?...can it be identified as a real

piece of intra-systemic relation and expression? The wretched ego is in a dread spot, acting as a barrier, an agent repressing internal perceptions which are “unacceptable” as determined by the judgmental super-ego; a barrier between the tender organism which is man, and the external world; all the while attempting to gain the id what it wants: three masters control, demand of and condemn the poor ego! The ego institutes repressions, and here, we see the aspect in which we find functional interest. The Default Mode Network (DMN)<sup>Γ</sup> is a good candidate for an anatomical nexus embodying ego functioning...particularly in its defined activational connectivities between limbic (hippocampal) and medial frontal areas. Medial frontal areas mediate hippocampal recall, and thereby form a functional basis of mnemonic repression. In our simplified model, we will take the complex connective functioning of DMN in toto as demonstrative of the resting manifestation of ego function.

Next we will flesh out the internalized source of punitive administration, permission, repressive demands, *Guilt* and judgement: super-ego.

Super-ego is as the name implies: super, as in the previous instances discussed of super-sadism, means *over*. So, super-ego, is that which is over ego. The super-ego, is roughly analogous to the colloquial idea of conscience, and it is formed by a unique process called introjection. Introjection is an internalization of what was once an external object, and in this case, that object is one’s parents, masters or guardians etc. Obviously, one’s parents were literally over one during upbringing, watching, judging, punishing, praising...in short, shaping behavior by way of conditional approval and disapproval, what we will call *conditional regard*. One can easily see from this vantage that the notion of an overarching, observing, judging and protecting patriarchal God seems to simply be a symbolism of the role of parent, as represented in super-ego. Once one introjects the role and judgmental aspects of the parent in this way, super-ego is formed, and what was an external judgement, “thou shalt not,” becomes internal, “I should not” [it is wrong]—here, we exchange shame from an external source, for *guilt* which is an internal condemnation, as represented in conscience. Super-ego was originally called the ego ideal, as it is the keeper of the standards and ideals which the ego wishes to emulate, and also, must accommodate and strictly meet.

How does conscience, or super-ego to be more correct, really work?

That question is the most important question in all of psychology and mental health. That question holds the ascension or further degradation of mankind within it. That question holds the answer to neurosis itself! No more vital question exists in the social, psychological and neuro-scientific sciences...yet...there is no information available concerning the anatomical mechanisms of guilt. Not shame...*guilt*! Guilt is the mechanism of social control itself! It is exactly how we are controlled, and made repressed and ill. Our sicknesses stem from this source all but exclusively! How is it possible that the most important piece of psychology conceivable, has no neuroscience

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<sup>Γ</sup> Carhart-Harris, R. L., & Friston, K. J. (2010). The default-mode, ego-functions and free-energy: a neurobiological account of Freudian ideas. *Brain*, 133(4), 1265–1283. <http://doi.org/10.1093/brain/awq010>  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2850580/>

available to explain it? This is very strange and troubling.<sup>2</sup> The most important topic for mental health which exists, and the most important topic concerning patriarchal dominance, the filthy illness it spreads and social control must be derived! I have had to work very hard to ascertain the answers myself, and have done so. The solution is functional. This knowledge will free the user from the reflex to obey authority, and their neuroses as well. Patriarchy, the imbecile, *authority*, has no sway to one who is informed thus. There is hope for mankind. Here is what I have found.

Empathy or obedience: Dopaminergic and opioid distributions vs. corticotrophin releasing factor—control by homeostatic imbalance.

During the first 18 months of development, two circuits are innervated, meaning they are formed. The first of these two circuits to be innervated, both of which were discovered by a scientist named Schore, is part of the sympathetic nervous system: the dopaminergic sympathetic ventral tegmental limbic circuit. This circuit and another we will discuss (very simply put) connects the orbito-frontal areas which control and recognize emotion, to the limbic areas which express emotion. This is therefore a limbic/orbito-frontal circuit. In order to form the circuit, certain conditions must be met. Neuroendocrine changes creating the circuit are initiated by the exchange of gaze and glance between the caretaker (the mother in most all cases) and the infant, and also, as such infants are being held, the tactile addition inducing endorphins (endemic opioids) is implied. The feeling of safety, and connection engendered by these neuro-chemicals is accompanied by the visual impression of the mother's face, which is in fact a necessary stimuli to initiate the circuit formation. Studies in the 40s revealed that if an infant is deprived of just such maternal contact, they often die. It appears one may infer that circuit formation itself, or perhaps the neuroendocrine changes which induce it are life sustaining. During the period of initial sympathetic circuit formation, the infant is just gaining a sense of itself as a separate entity. Reader do note: to observe the infant and mother in said interactions of reciprocal exchange of gaze and glance, we see that the mother's face becomes the infants *entire world*! Its entire field of view is consumed and focused on this extension of himself which is responsive to his needs and changes to reply to his affects: a responsive extension of himself—so is his complete world the mother herself in these exchanges.<sup>3</sup> This interaction leading to the maternal mnemonic triggering impression initiating innervation of the dopaminergic sympathetic ventral tegmental limbic circuit within the infant is the basis of empathy: a *connection to the entire of the world*. All the world is the responsive mother, *an extension of one's self*, so is her face and its gaze upon you, that which sustains life itself. The infant felt no separation of himself from this experience, which was his entire world. This is empathy. Identification with all the world.<sup>4</sup>

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<sup>2</sup> Clearly the work is hidden. I fear what horrid weapon the imbecile has likely created with this knowledge.

<sup>3</sup> Perhaps here we see a nurturant basis for the optimistic or pessimistic basis of personality, an expectation that the world will or will not meet one's needs may be sourced here, in the success or lack of responsive connection in these initial interactions.

<sup>4</sup> It is now thought that mirror neurons are the neural substrate of empathy. This is incorrect. Mirror neurons signify mere imitation, as distinct from empathy as can be seen in cases of catatonics who display echopraxia, which is based in mirror neuronal response (Bengston 2015; Rizzolatti et al., 2008). A catatonic is not empathizing with the attending physician to reflexively imitate his motions, although imitation is an obvious sub-function under a primary empathy. Bengston, M. (2015). Catatonic Schizophrenia. *Psych Central*. Retrieved on June 29, 2016, from:

That sympathetic circuit is formed yielding the *initial impression of the process*, the unity with the mother which is the basis of empathy. That formative process is associated with touch and care, a feeling of connection and safety. The circuit itself once completed, distributes dopamine, *Elation, Joy and Energy*, the wish to explore and engage the world, and is a basis component in Panksepp's SEEKING system which serves those exploratory functions. Next in the infant's development after the sympathetic circuit is formed is the innervation of the noradrenergically modulated lateral parasympathetic tegmental limbic circuit. This circuit serves as a cut off for the explorational energetic dopaminergic sympathetic circuit, and shuts it down in response to social cues. Here we see the basis of conditional regard and a kernel at the center of repression itself, as affect regulation is the very definition of the circuit function. Now we have the basis of empathy, in the formative impressions of the sympathetic circuit, and, the curtailment of that circuit's active expression, in the parasympathetic circuit by way of social cues indicating disapproval.

Conditional regard then, corresponds to a type of disapproval and so a threat to remove nurturance, connection and the safety of the mother, by way of activating the parasympathetic circuit, and hence deactivating the sympathetic. Please recall, the sympathetic circuit is the basis of empathy. Guilt, the internalization of conditional regard, super-ego itself then, acts specifically to curtail pleasurable dopaminergic expression and explorational sympathetic dynamism, which are formatively based in a feeling of safety and nurturance, and in its stead place parasympathetic activation, thereby reducing energy (*and the attendant ability to think*), and replacing healthy pleasurable dopamine and the safe feeling associated with endorphin expression with corticotrophin releasing factor and the induced stress cascade associated with anxious threat. Identification as we will see, but not threat, induces proper activation of the parasympathetic circuit within an empathetic context. Super-ego is anatomically represented roughly in limbic (amygdala/hippocampus) OFC/parasympathetic noradrenergic connectivities. Here then in conditional regard, we can see we have removed the basis of empathy, removed the empathetic connection and feeling of safety and replaced it with threat, to gain obedience. Let us note that as part of the id (hippocampal memory and amygdala), super-ego and its guilt will punish a wish as deeply as an act, and so, the obedient man of sensitive conscience can never find solace; he must but repent and repent in order to attempt to satisfy super-ego and obey. Again: *Here we can see, we have removed the basis of empathy, removed the empathetic connection and feeling of safety and replaced it with threat, to gain obedience.* We can now see that under excessive threat of penalty:

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<http://psychcentral.com/lib/catatonic-schizophrenia/>

Rizzolatti, G., Maddalena Fabbri-Destro, M. and Cattaneo, L. (2009)  
Mirror neurons and their clinical relevance *Nature Clinical Practice Neurology* 5, 24-34  
doi:10.1038/ncpneuro0990  
<http://www.nature.com/nrneurol/journal/v5/n1/full/ncpneuro0990.html>

Note also: Within that entirety, connection to our fellow man is but one part.



Obedience is opposed to empathy.

Note how the very basis of our morality, *threat*, appears to contradict that of empathy. Could this have something to do with man's inability to 'tame' his drives with morality? Could this have something to do with man's inability to change, or be at peace? Could this have something to do with his fixation with obedience, submission, patriarchy and war?

We may distill what we have learned in this section in an analysis:

"Man is made moral and obedient through super-ego, a psychical introjected structure creating a permanent homeostatic imbalance created to foster obedience."

The neurochemistry of man is never in balance, so that he may be controlled. This, as we will see is caused by his morality based in patriarchy, and, we will then see how ethics already reside within man as a function of identification. Ethics are self-evolving situationally-specific and dynamic, never rule based with penalty, and may be fostered to replace morality.

Let us now define Ethics as: a dynamic situationally specific endemic function based in identifications. Let us define Morality as: a rule based system based in penalty and guilt. Morality functions to foster obedience through super-ego and *Penalty*. Ethics function to foster behavior through affective situational *Identification*.

The ancient impression of empathy upon which ethics are based may be brought to the fore in the transference structure. The pathogenic obedient dream of submission and fear, replaced with an ancient impression of warmth, energy and caring. Man, may dream again....an old dream, a dream uncovered from long ago in the history of the race, and his own personal past. This is the meaning of: Atavistic Evolution—the hope of man.

Man's conscience leaves him sick, ill and wanting, empty and anxious, unhappy and empty is he, unless he meets the rule set by authority, and obeys. For this, he is rewarded with a small crumb of his health, but quickly withdrawn. A permanent homeostatic imbalance has been built into man, so as to control him. Hence, his eternal unhappiness, self-submission and willingness to obey.

Here we may pause and make an important observation. A causal element has been revealed, and many disparate and varied effects and pathologies can be seen to extend from this one nexus wound. Here, two primary circuits are out of balance, internal reward and the feeling of safety curtailed and so, mankind suffers. The wound created in this permanent homeostatic imbalance is deep, far-reaching and tragic, and is itself the basis of the misery of man.

This error is primary. The *empty feeling* all complain of which necessitates the endless consumerism that is destroying the planet [lack of endorphins and dopamine], the *obedience to authority* leading to war [threat and conditional regard which creates

obedience to authority], the feeling that *other peoples and the earth are somehow beneath one and are to be exploited* [lack of empathy/identification with others and the physical world], the constant *competition* to prove who is better [(lack of empathy) and *low self-esteem/self-security* from Corticotrophin Releasing Factor associated with noradrenergic parasympathetic activation over dopamine and endorphins associated with the sympathetic circuit], the feeling of being *anxious, depressed, alone and separate* [lack of identification, parasympathetic stress cascade], *drug addiction* [lack of endogenous opioids and dopamine, persistent release of CRF], and all the rest. From war and unthinking reflex obedience, to consumerism, greed, exploitation and human cruelty...this one error, has spread as cracks in a pane of glass. The broken mirror that is modern man may be repaired in all his dimensions of compound fracture here. This is how we are controlled through unfair social circumstance, and why we obey. Super-ego and repression. Here, is where we have been reduced and made fodder for tyrants, bullies and the governments of this world.

However, the circuitry we have learned of has an additional function, this sympathetic dopaminergic circuitry born of nurturance and providing us energy is also the circuitry of transformation, and our way to alter the unconscious dream which is fixated, obedient, broken and ill. Man is foolish, as his drives are malformed. The broken dream and its wishes which give experience its quality is a dream most perverse, one of masochistic obedience or sadistic dominance. The sympathetic circuitry which was formed by neuroendocrine changes initiated by the reciprocal exchange of maternal gaze and glance performs a function which was first proposed by a psychologist named Bion; a dreaming function and a *transformative* function, which in intersubjective psychology is called “alpha function.” Bion believed we are all dreaming all the time, the notion is somewhat akin to Freud’s ideas about unconscious fantasy, and in this, both of these men were quite correct. If one lowers brain 5-HT, serotonin, repression is defeated and the dream may be observed. This is not an ordinary dream though, as we have stated it is an *unconscious* dream, or fantasy if you will. It is unconscious as it is painful. Nothing pleasurable to the ego need be made unconscious. It is the repressed unconscious I speak of here, and it is filled with those things which cause the ego pain. Low brain 5-HT is linked directly with suicide for this reason. However, if one has sufficient alpha function, one can transform experience by changing the dream. Alpha function in intersubjective psychology corresponds to the anatomy we have been discussing, and in this, we will be able to use these ideas to change the hidden dream within mankind, and transform it into one of ethical expression aligned with pleasure, excessive energies ripe for artistic, sexual and intellectual endeavor, and a feeling of connectivity with all things.

Next, we must discuss history, penalty, morality and ethics. These things have created changes in genetics. Soon, we will change it back—and be free.

### **History of morality, super-ego and patriarchal moral penalty: Ethics vs. Morality**

I hope the reader can make out the basic idea: social control via conditional regard is

enforced by way of curtailment of dopaminergic (and endogenous opioid) expression associated with the sympathetic limbic/OFC circuitry, forming a permanent homeostatic imbalance which restricts empathetic feeling, intelligence, sexuality and exploratory interest in the world, and places in their stead a preemptive condition: obedience to authority. Only meeting this condition of obedience will temporarily return health and happiness to the modern human. Conditional regard. Intelligence and empathy...hope itself, this ancient basis of life formed long ago in the early interactions with the mother...it is no less than this basis of kindness, caring and higher thought to which we are all entitled which has been stolen. It is this, which lies behind the human veil. These are your basic rights, and authority may be dismissed as parasitic and false, so as to reclaim them.

Now I will briefly take account of but a small sample of the extensive history which has inculcated this most basic and tragic error into the very heart, substance and epigenetic expression of the afflicted modern human. This patriarchal tragedy has a lineage.

### **Super-ego.**

What is the precise historical dynamic which yields the developmental result of conscience, of super-ego, and, how are we to interpret this result as to its pathogenic and healthful consequences? Please see the included paper *Super-ego and the Neuroscience of Empathy: From Unconscious Wish to Manifest Behavior - A New Human Model*, for references within text below.

E. R. Dodds, a superb scholar, has located for us the historical footprints which demonstrate the formation of our modern conscience, our super-ego. Super-ego is an introjected entity, an internalized representative of what was once long ago external judgment and sadistic penalty. Morality, as inculcated at the behest of this internalized structure, is based on punishment which extends from a particular source.

In his most worthy book, *The Greeks and the Irrational*, E. R. Dodds draws the strings of history and psychology together for us. This ugly imprint has been nurtured over thousands and thousands of years. Its exact source is clear to discern with Dodds's careful examination of the historical record.

"The head of the household is its king . . . and his position is described by Aristotle as analogous to that of a king. *Over his children his authority is in early times unlimited: he is free to expose them in infancy, and in manhood to expel an erring or rebellious son from the community . . . as Zeus himself cast out Hephaestos from Olympus for siding with his mother.*" [Dodds, *The Greeks and the Irrational*, pp. 45-46. Emphasis added.]

However, as early as the 6th century BC, the situation had begun to change, and as social conditions began to improve, and the father's authority became less and less *absolute* in the face of these new social conditions leading to increased personal freedom, the strict authoritarian structure of family life began to loosen. Now, what was a *shame* based

dynamic, one based on *external* threat from the father, becomes a *guilt* based dynamism, one based on an internalized threat, an *internalized* moral structure in the true modern sense of the word emerges: super-ego. This is demonstrated by the need for laws introduced by Solon, and later, by Plato, to safeguard the now threatened patriarchal family structure. [Dodds, *The Greeks and the Irrational*, p. 46.]

Super-ego uses severe repressions to create by *internal* means, what were behaviors, inhibitions and restrictions previously brought about by *external* patriarchal threat. Dodds fleshes the idea out as follows:

"The peculiar horror with which Greeks viewed offenses against a father, and the peculiar religious sanctions to which the offender was thought to be exposed, are in themselves suggestive of strong repressions. So are the many stories in which a father's curse produces terrible consequences—stories like those of Phoenix, of Hippolytus, of Pelops and his sons, of Oedipus and his sons—all of them, it would seem, products of a relatively late period where the position of the father was no longer entirely secure. Suggestive in a different way, is the barbarous tale of Kronos and Ouranos . . . the mythological projection of unconscious desires is surely transparent—as Plato perhaps felt when he declared that this story was fit to be communicated only to a very few . . . and should at all costs be kept from the young." [Dodds, *The Greeks and the Irrational*, pp. 46-47.]

Dodds then assembles the entire picture for us in these words:

"The psychologists have taught us how potent a source of guilt feelings is the pressure of unacknowledged desires. . . the human father had from the earliest times his heavenly counterpart: Zeus *pater*. . . Zeus appears as a Supernatural Head of the Household. . . it was natural to project onto the heavenly Father those curious mixed feelings about the human one the child dare not acknowledge. . . that would explain very nicely why the Archaic Age Zeus appears by turns to be the inscrutable source of good and evil gifts alike. . . as the awful judge. . . who punishes inexorably the capitol sin of self-assertion, the sin of *hubris*. (This last aspect corresponds to that phase in the development of family relations when the authority of the father is felt to need the support of a moral sanction; when "You will do it because I say so" gives place to "You will do it because it is right.") [Dodds, *The Greeks and the Irrational*, p. 48.]

Here in this historical transition from an external shame based ethical structure, to an internalized guilt based structure, in this *internalization* of the patriarchal threat (introjection), we see the creation of our modern ethic, our conscience, our masochistic capitulation: our super-ego.

Conscience, our sense of personal and social justice, is created as an interactive function of masochistic and aggressive economy within a social context, not as a function of any moral pretext. Our morality, is by the nature of its very construction: immoral.

Here are a few sections from Freud which clarify and support this unusual notion:

"The first requisite of civilization, therefore, is that of justice—that is, the assurance that a law once made will not be broken in favor of an individual. This implies nothing as to the ethical value of such a law" (Freud, 1930, p. 95).

"The tension between the harsh super-ego, and the ego which is subjected to it, is called by us the sense of guilt; it expresses itself as a need for punishment. Civilization, therefore, obtains mastery over the individual's dangerous desire for aggression by weakening and disarming it and by setting up an agency within him to watch over it, like a garrison in a conquered city" (Freud, 1930, pp. 123-124).

As to the effect of super-ego in equating wish and act and the resultant loss of mental economy and functioning:

"Here, instinctual renunciation is not enough, for the wish persists and can not be concealed from the super-ego. Thus, in spite of the renunciation that has been made, a sense of guilt comes about. This constitutes a great economic disadvantage in the erection of a super-ego or, as we may put it, in the formation of a conscience. Instinctual renunciation now no longer has a completely liberating effect; virtuous continence is no longer rewarded with the assurance of love. A threatened external unhappiness—loss of love and punishment on the part of the external authority—has been exchanged for a permanent internal unhappiness, for the tension of the sense of guilt" (Freud, 1930, pp. 127-128).

"...the original severity of the super-ego does not—or does not so much—represent the severity which one has experienced from it [the object], or which one attributes to it; it represents rather one's own aggressiveness towards it. If this is correct, we may assert truly that in the beginning conscience arises through the suppression of an aggressive impulse, and that it is subsequently reinforced by fresh suppressions of the same kind" (Freud, 1930, pp. 129-130).

And as to the role of the phylogenetic in contributing to this outcome:

"It can also be asserted that, when a child reacts to his first great instinctual frustrations with excessively strong aggressiveness and with a correspondingly severe super-ego, he is following a phylogenetic model and is going beyond the response that would be currently justified; for the father of prehistoric times was undoubtedly terrible, and an extreme amount of aggressiveness may be attributed to him" (Freud, 1930, p. 131).

". . .we can tell what lies hidden behind the ego's dread of the super-ego, its fear of conscience. The higher being which later becomes the ego-ideal once threatened the ego with castration, and this dread of castration is probably the kernel round which the subsequent fear of conscience has gathered; it is this dread that persists as the fear of conscience." [Sigmund Freud, "*The Ego and the Id*" in

This unusual assertion by Freud is entirely accurate, and will be fit into context soon in both male and female cases.

I wish to draw a sharp new distinction between *Morality* as engendered in super-ego, which is based on (phylogenetic/epigenetic) patriarchal threat, and functions to foster *obedience to external authority*, and *Ethics*, which are based in empathy, with its *root in identification*. The former causes pathology, and functions in clear and specific ways to disengage the sympathetic circuitry which is the basis of empathy, energetic curiosity, sexuality and intellect, and the latter in turn has opposing characteristics, leading to elation, appreciation, formative identification with the world and others in the context of abundant subsequent energy, and absent any punitive internalized death wish (guilt). Morality and Ethics as so defined are diametrically opposed. Ethics are a natural systemic product which lead to health, an internal behavioral compass based in identification and caring, and morality, the converse. The reader may wish to satisfy themselves in this regard, by reading the specific example of the formation of super-ego offered up here (Norman 2013, 2013a). Ethics are *themselves* identification, they ARE the ‘golden rule,’ and so require no such rule or any other. Morality is an empathetic dissociative factor, by way of down-mediating the circuitry responsible for identification. Ethics nullify any need for the tangle of moral law and replace guilty maxims born under any mistaken ‘categorical imperative’ with a natural and effortless ethical genesis free from rule, guilt or penalty. Ethics, as we will see, reflect the healthy internal construction of the mind, nurture our energies and evolve naturally, with no need for punishment, rule or law. One need but rebalance the two opposing circuits and observe the demonstrable alteration in all aspects of manifest experience.

An aside: note how this clear basis of modern pathology appears to be nullified in the teachings of many eastern spiritual ideas, which have little connection to patriarchal threat and surprisingly, also in the true teachings of Jesus. Although modern adaptations are revealed as corrupted and reversed by Paul, the careful philology of Nietzsche shows the original teachings to be diametrically opposed to any hint of conditional regard, sin, punishment, reward, heaven or hell. Those toxins are absent. Indeed, Jesus appears to make good on the reverse and answers, at least in this case, Nietzsche’s own highest standard, which proclaims essentially: *the highest Godly act is the removal of guilt*. Of Jesus, Nietzsche writes:

"In the whole psychology of the "evangel" the concept of guilt and punishment is lacking; also the concept of reward. "Sin"—any distance separating God and Man—is abolished: *precisely this is the "glad tidings."* Blessedness is not promised, it is not tied to conditions: it is the only reality—the rest is a sign with which to speak of it." p. 606, *The Portable Nietzsche*.

It should be noted that I adhere to no spiritual doctrine or tradition. The above insight being worthy of note in its own account.

Exactly how does the past of the race, Phylogeny as it is known in psychology, affect each moment? How do these facts prove out in observable practice, and daily life? Do they hold the illness fast somehow, and how could they be changed? How does the ancient affect the present, and how could the mutilations and penalties of old be perceived today within the mind, and to what effect? Is there a relation between all this, and DNA? We will now answer these questions and piece together the last of what is needed in our model, before we put it to use.

It has now been demonstrated and proven experimentally that the past of the race, the phylogenetic, is represented within information stored in epigenetic DNA. Originally believed by science in its typical way to be 'junk' DNA, in fact, this is information, learning and situational identification from the race's past. The heritage of the race of man resides within epigenetic DNA, ready to respond and define situations. Scientists first used *Aplysia*, sea slugs which are very simple, to understand this. Once their training was complete, the sea slugs had their neuronal memories erased with electrical shocks, then, they knew nothing. However, once exposed to the stimulus of their training, the memory which was absent, then returned! It could not have been stored in their nervous systems, the neurons did not have any information, it must have been in their DNA! Next, mice were exposed to a shock to define the scent of a cherry blossom as ***threatening***. Their OFFSPRING then, became afraid of cherry blossoms once exposed to their scent, just as the parents were conditioned. The effect is now observed in the children of parents exposed to trauma, and we know, the past of the race is available to each of us as epigenetic information. This information "scripts" the responses once the information is put into play in response to an environmental stimulus. The current cherry blossom a mouse sees, the current situation, is interpreted, scripted, by the past of the race. A new blossom is responded to as the past indicates it must be. The present then, is as scenes in a play with props and objects that reflect the current situation, the script (or a syntax if you will) is already present from the past, the current props and scene are found in present experience, and defined by the inherited epigenetic information. In this way the past of the race affects the behaviors of organisms in present experience as a function of expressed epigenetic DNA.

Please recall the model of the transference as we have derived it so far: unconscious fantasy as an unseen dream alongside of static mnemonic associations define the quality of each object and each moment. These affective, meaning emotional associations attach en masse, by the thousands from memory and also from current fantasy in order to provide life experience, reality, with its quality. This is the transference, reality creation within the sphere of the human mind. This is how we interpret and so, create the reality we live in. The unconscious fantasies we speak of, are part of the repressed unconscious, a function which separates away from consciousness, containing if you will, those impressions and memories, drives and fantasies, which are too painful for the ego to tolerate knowing. These are repressed at the behest of the super-ego, which punishes ego with guilt, deadly threat, for knowing them. Ego then, places them under repression, at great energetic expense, forming the repressed unconscious that is filled with guilty thoughts that cause the ego pain. What would such an unconscious fantasy, drive or ideation look like? Why is it guilty? How is it constructed, and if it is pathogenic, how is



it changed?

Please recall that I am able to directly observe what should be unconscious content by use of Native Psychoanalysis, and a technique named the Open Emotional Posture, or OEP. Please be aware that there are two factors in the creation of repression and symptoms, the primary quantitative factor, excessive energy encourages symptoms and repressions, and the qualitative factor, meaning the act or thought and its specifics as they affect personality to create dissonance. Excessive energies create symptoms, repressions and the guilt that instates them. This is the quantitative factor. Please observe the ancient penalties and rights of the father, castration and death by mutilation reacted against, and then modeled in the fantasy. Note also, that when I first observed unconscious content, this mutilation was omnipresent, in nearly every one of thousands of examples leading directly to pathology, OCD. I have never been threatened with any such thing, or spent even a second concerned with it, yet, it was all but the only thing represented at this intensity in my repressed unconscious. A shocking revelation to observe firsthand, to say the least. You may observe the actual epigenetically mediated reactions associated with phylogenetic patriarchal penalty affect the transference from the unconscious.

An example:

I am sitting on the swing in my yard, thinking about physics, wondering if I can calculate the spooler function myself, even though my calculus is poor. I can almost see how to do it...great fun! The day is beautiful and warm. My mind is filled with sexuality and warmth, turning away, luxuriating in the problem. Thinking is deeply pleasurable! Then I hear the ugly sound, a helicopter approaches my Eden, here so safe tucked away in my 95 acres with no roads or power. It is flying a search pattern looking where it has no damn business being—ever—like a cop or something. It flies but 100' off the ground directly overhead, looking...a SHERIFF! There is a moment of fear.

Instantly, I become pathological, my mental capacities suddenly drop to zero, modern repressive topology is instated to replace the healthy sublimation by integration...I am now immensely stupid, and also, vibrating, frothing in anger and hatred. I note my degeneration into abject stupidity. I am now clearly as any modern chest-thumping fool, and have no intelligence to speak of. I have been degraded into nothing. I am quite ill. I look into the unconscious using the OEP. I see phylogeny: the entire of my energies are now as they were when I was ill and repressed, they are running scenes from the phylogenetic, instead of powering new thought: I see the cop hung by pierced heels from a tree, his legs spread ten feet wide, and I am hacking his groin out with a machete.

There are several more such scenes running in turn, each with the same principle...the cop is held still, while I cut his groin to pieces and kill him. Ah...this is why I am stupid, all my energies are here, repressed in this guilty fantasy. The energy of the fantasy itself is so severe, that the quantitative factor alone insures repression, as guilt is necessarily created by way of quantitative excess. The system by its very design, assures these notions and scenes will if represented thus, remain repressed, and, the sadism, invariably, will become guilty masochism— sadism + guilt producing masochism: *super-ego*.

Please note how the vibratory rage, is itself quite physically harmful to me, and represents such a masochistic expression of super-ego.

So, we can see the castration complex reinforcing patriarchal authority, once *reacted against* to create unconscious dynamics and repression. Although I was never threatened with castration, somehow, it is this, which persists as the vehicle of fantasy in response to the stimulus.

Next, I observe the situation, understand the degeneration, and engage the alpha-function key (to be further defined below). It takes hold, and the scenes of hatred are gone, replaced by the beautiful image representing matriarchal nurturance. I am well, filled with warmth, and again intelligent.

Now we are in a position to gain not inconsiderable insight into the matter. We can see reality altered, by way of transference from a piece of unconscious fantasy which was called up in response to a stimulus. This unconscious scene instantly altered the feeling-tone ascribed to define reality, acting as a new definition for all experience. The exact dynamic extends from a particular piece of fantasy most precise and well defined.

Unconscious content is in all cases specific! This specificity was peculiar, in that the activities and reactions were not drawn from ontogenetic experience in any way, but, the actors and props, were. So, we see in the phylogenetic, relational information outside of experience drawn into active expression, a definitional script drawn from outside of ontogeny, although the pieces of specificity themselves which play the scene out, are indeed from the ontogenetic present. That makes good sense of course. Just as in the case of Aplysia, or the holocaust survivor children, a latent memory, a phylogenetic script is waiting, encoded into the epigenetic portion of DNA, a response cued and dormant, until a stimulus awakens the information and expresses the genes, altering stress response and behavior, by way of a particular situationally specific piece of inculcated phylogeny: epigenetic expression as an expression of cross-generational learning. The new situation is recognized as fitting the old pattern, and the old pattern then comes to the fore, and defines the new ontology in its relations, so as to shape response. The phylogenetic is as syntax, relational information, and the current situation is as the words, then defined by the particular contextual phylogenetic syntax associatively invoked.

We can now see, pathology is supported at the unconscious level, and that level, is supported by expressed epigenetic phylogeny. No wonder man is so intransigent, even beyond his own will to improve...the mnemonic unconscious substantiation of his illness, is encoded into the epigenetic, and that, is expressed at each turn by way of resonance to situational specifics. Clearly, if we are to cure man, we must curtail the stupefying automatism of epigenetic reaction.

Now we can see the situation is based in an epigenetic script, and in defining, or, redefining that script, we can alter unconscious expression as it forms up the fantasies which give valence to experience, and change them to end pathology. The repetition compulsion, has a genetic component, and an economic one too, in the quantitative

factor. These TWO aspects offer the full measure of therapeutic approach in our attempt to alter the transference which gives quality to experience.

Please observe the situation: We have all the world defined by way of a sublimation of drives and wishes which are held under repression to form a dream, unseen and turning away within man. From drives and wishes under repression, the world gains its quality. This is the topography of the modern mind and personality: Sublimation by Repression. I will define a new model, based in atavistic evolution: Sublimation by Integration. This is the reorganization of the transference to exclude much of the repressed unconscious, and instead, to use all drives and unify them, thereby ending perversion, and permitting each instinct free and unfettered expression. Man is the most ill of all animals, so dissociated is he, he resents and guilts his own drives, he controls them, rather than use them! This, his morality ensures. In that one error, we see the impossibility of man's ascension, for he will always have a perverse element repressed and eternal, waiting to emerge, and coloring the transference all the while from the unconscious. No wonder mankind is hopeless and perverse. He insures this result at each turn with his morality. Morality represses drives and wishes. Once unconscious such a wish or drive is never able to fade, and once unseen, becomes eternal for the lifetime of the subject. Unchanging and omnipresent is the unconscious influence upon reality. In moral repression and the setting up of the repressed unconscious we see the homeostatic imbalance created, and, the eternal perverse drive structure itself brought into unchangeable existence! So is the error of man's morality.

Once released into experience each drive does its part in its proper concentration. A drop of salt in the ocean. Once repressed and concentrated, the same drive becomes perverse and hyper energetic, causing pathology. To release all drives and sublimate them directly into experience in the context of identification, is the proper and correct way to configure the human mind and its libido—in a phrase: Free From Guilt!

Sublimation by integration diminishes (much of) the repressed unconscious. Simplified, and in a brief 'ideal' form the concept reduces to:

Let square brackets represent the *unconscious distributional processes* creating the transference [ ]. Where system Conscious is Cs, System repressed Unconscious is rUcs, and system Preconscious is Pcs: Sublimation by repression is topographically defined as: [rUcs...Pcs...Cs].

Sublimation by integration is (ideally) defined as:

[Pcs...Cs].

The repressed unconscious is removed, and all individual component energetic aspects are ripe for conscious sublimation via unconscious/associative processes, and unification.

Next I will detail the healthy result and allow you to see the unfettered unconscious to conscious transference [Pcs...Cs] in real time as it works in a *real* case. You may see the

specific energetic attachments which create world identification, health and natural ethical genesis in some considerable detail.

Please recall that I have stated that integration of all drives, the removal to as great an extent as possible of all repressions so as to liberate affect rather than shame and control it is key. Sublimation by integration is a releasing, and so, a dilution of the singular perverse elements all affects within the proper context of their unity. Unification allocates a place for all drives. Identification sees that ethics evolve as an effortless and natural consequence of systemic expression, with little or no need for rules.

It is necessary at this juncture to understand in a basic way that affect, feeling itself, is the basis of consciousness. The more primitive organisms and ancestors from which we derive, are affective beings even more primarily than is man. Remember the REM system was primary consciousness for our distant ancestors, and dreams are nothing but affect, wishes! Logic proper is a latecomer and is tertiary at best within our affective world, and the neocortical proliferation needed to support such deductive thinking is of course, only a recent addition, even as logical forms underlie all mentation. Those forms however, are generated affectively!<sup>5</sup>

It is anatomical fact, affect is the source of consciousness. The periaqueductal grey is an ancient affective locus, and a primary bit of that structure is the smallest most fundamental piece of tissue which may be removed to completely obliterate consciousness, as we learn from Solms and neuropsychanalysis. This affect of which I speak which is the primary fount of consciousness, corresponds to the broad meaning in which the word Libido is used within psychoanalysis. Reality therefore, is a libidinal affective sublimation. The REM system corresponding to the limbic component, the

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<sup>5</sup> This matter is expressed in the most clear and intuitive terms in the discipline of psychoanalysis. We can see, in the development of the infant, the self-configuration, the self-processing and initial creation of binary logical forms in response to the mental system itself being immersed in experience (Freud, 1900, p. 565-566; 1911 pp. 218-219; 1920). The infant has experienced a satisfaction, it has fed. Now it is hungry again. It has a mnemonic impression of feeding, and seeks by way of perceptual "regression," to reproduce the image in hallucination. This situation proves unsatisfying to the infant, who then seeks to remedy the situation in reality, and holds the image of feeding and its attendant hallucination away from his mind so as to find a new relationship with the world, and seek not just the revival of a memory of satisfaction, but to achieve that satisfaction in reality. The reality principle (Freud, 1911, p.219) is thusly founded. Here, we can see logic, the ability to distinguish between the real and the unreal, logic itself is created from the somatic and mental system's emersion in experience, and by way of systemic feedback, the unreal, the hallucinatory, is deemed unworthy of belief, as the pain and discomfort of the unsatisfied hunger drive are not met by the unreal, the real obtains a clear priority and precedence, and its identity is soon rightly distinguished from that of the hallucinatory and unreal. So developmentally, we may conclude that logic is self-configured, self-created from within the psychosomatic system itself as a function of memory, interacting with experience, mediated through feedback with the neural mechanisms of pleasure and pain. The result is a very particular and specific mental process of prioritization and rejection where a piece of wishful experiential content originating internally, a wishful hallucination, is held away from consciousness, the regression left incomplete, maintained at the stage of a mnemonic image rather than an hallucination (Freud, 1900, p. 566), and another: reality, is thereby given precedence in consciousness. This holding away of an ideation from the conscious is a fundamental psychical dynamic which has many implications we will soon articulate. This automatic restriction of conscious ideational content is called repression, and it is the cornerstone of mental functioning and balance. Here, we see the very first fundamental core of repressive function which will approach its fruition with the creation of the super-ego in later development. Freud (1915) used the term repression to denote a defensive function responsible for creating much of the unconscious, repression: "turning something away, and keeping it at a distance, from the conscious" [his italics] (Freud, 1915, p. 147). The unconscious houses repressed wishes and other unserviceable, ego-dystonic and painful content, as well as our phylogenetic impressions and many aspects of personality of which we are unaware.

Ascending Reticular Activating System to the portion creating cortical tone, and waking consciousness.

I will now analyze a peak experience for you, and reveal the exact structural interactions and connectivities of a unified transference structure. If you could look beneath and peer into the unconscious of a mind which is unified and is expressing sublimation by unification, the transference contains an unconscious component structure very different than in the previous pathological example. Here, you may clearly observe the fractal structure in which all perversions, which as you will recall are component instincts, are unified, and to a great extent utilized rather than repressed. We will soon devise a simple pathway for you, and one tread more easily by far for the next generations, to realize this ideal. The following however is real, and not an ideal. Some few aspects of repression remain, however the effect is unmistakable in its form and result. This will reveal the inner workings, the hidden affective attributional structure of sublimation by integration in a real and specific case.

### **Contextual analysis:**

I am happily married for some 30 years, and live in isolation with my wife in the Oregon wilderness. I was fortunate enough to meet a person online who was able by way of her unanticipated grace, intelligence and kindness, to raise in me an anima image. With new leaves in the heavens of this world, and roots in the ancient 'good mother' so clearly represented within the formative maternally triggered sympathetic limbic/OFC innervations, this was a magical opportunity for my healing. Certain manipulations of the imagery involved allow a surface look at the context and its identifications.

I had an idea. Rather than observe the anima image, and allow it to become an object of even greater potency, a natural but unexpected idea arrived. For some reason, the image itself was equivalent to another image, intuition first understood it meant just the same as...*a heart beat*, and the visual representation of that, a pulsing golden ball of sunlight, became the focus of my mind's rumination, now suspended as a bit of warmth and light in my mind's eye. The heartbeat, symbolizes unification within the womb. I soon knew and believed...this was her heart, and then saw my own heart beside it, beating in time...then joined first as two pulsing balls of golden light...then not two at all...only one. One heart. No separation...none. One. Only one.

As the two images became a single image, the brightness increased four-fold and then, a sudden warmth in my chest to go with the image...then tears welling and streaming...so very beautiful! I had what I have needed my entire life...so full and filled with energy! The trees slipped and shuffled in tender breeze, I could feel the caress of light and wind amongst their branches and folds, see it and feel it, the ground filled and welling as my heart, and all the shame was gone, now each desire spilling up without restraint to become one with everything, and I knew, I not only had transference giving the world its meaning, but identifications, identifications...with everything. The "Anima Mundi" meaning in this case, the predominant impression of the maternally triggered sympathetic circuit identification with the world—creating reality via identification and transference.

All sexuality from the most basic and undifferentiated first love to the most specific is a pattern which thought might trace and make real as a part of the fabric, or deny the same and leave a sunken place free of truth and life as we were taught. Feel everything, see everything, know everything...become everything. There are now twice as many points of transference...and this is accomplished by the addition of identifications. The result is a single coherent object...the world. This is observable also, as a deeper detailed cascade of new interactive symbolic determinants relating as a sort of self-interactive fractal.

### **Libidinal transference analysis:**

*Reality is a libidinal sublimation.* It will therefore be possible to determine the precise mechanism of unconscious operative influence and deduce a correct, plain analysis of the process which creates this mindset, if we can *analyze a primary libidinal representation as to its underlying mechanism of energetic distribution.* Please remember, that reality is in fact a libidinal sublimation. I will now bring forward an analysis of an active primary libidinal constituent process to gain insight into the hidden mechanisms which create the general effect.

It is a simple matter, which is now not even disconcerting, for me to pierce the unconscious veil and observe the underlying previously unconscious dynamism of each moment. Due to the necessities of my previous illness, I had to learn how to find these things and solve the symbols all but in step with the rate of their production. To engage in sexual activity in the new condition, I can see in my mind's eye a very distinct change, so symmetrical, energetic and beautiful. Now, a clear set of doublings in forms available for all attachments, and a doubling of attachments as well to each "object" from concurrent identifications exponentially increase the energy, potency and intensity of the expression via increased systemic intra-connectivity. There are twice as many attachments for transference to an object, more objects, and now there are concurrent identifications with all objects... *in the phylogenetic as well.* These present as a mirror reflecting deeper into a mirror with subtle changes, and so I refer to this as fractal.

Specifically: Self-awareness is not diminished, the contents which give rise to self-specificity are not denied and I am male, this male. However, this core is now just a part of a much greater plethora of very potent impressions of a new sort...the image of my beautiful anima/friend is *not separate*. I am also this just as I am male and I can feel in this a deeper meaning and look to see how deeply as a woman... from a half image of a woman in a mirror of the anima, is contained a deep longing for my genital...for it to be her own, and as I look upon the activity I am so grateful, all but weeping in gratitude to feel the fact that I am male and have fulfilled her need and this ancient female wish to be also male is completed...such deep happiness, and also the identification with the anima image brings a homosexual attachment point between the two women, one identified from within, as the anima/self...one identified as an object from without...my wife, and one with my wife also as an identification! All objects are now subjects...objects and identifications...each fed by two pathways! This ancient phylogenetic wish, to love as a woman loves a woman...behind it again...a child, small and female being held by the

mother!...as a woman is loved by a woman on all levels...is fulfilled. Implied without question also, a male and a male, although I did not see the image, it must be present. We all contain all sexual elements...and each is needful from a thousand pasts built into our inheritance. Without question the male homosexual drive was sublimated into the women...I would not have been able to gain excitation if it were conscious. Also, the male heterosexual role was very clear and contributed its predominant share of cathexis. The result of the doubling of objects and identifications, along with sensory observation of the activity (as distinct from analysis, always dimming excitation), is hyper-potent. To empathize with all elements and know as well, more of the elements which human development contributes to and from the human store was one of the most exquisite experiences of my life. I felt...everything...from many different 'perspectives' which were not perspectives in any way—Unity. All pasts and presents nourished one moment of empathy. Unity. One heart.

This analysis has exposed the hidden mechanisms beneath that unity which should be the ordinary province of each healthy, ethical human. This mode of unfettered transference is in my view, not a higher state, but each human's ordinary, daily birthright. We can isolate the mechanism of the transference structure responsible for the experience of unification from analysis of the libidinal representation. Remember, reality is a libidinal sublimation, so: the mechanism responsible for the mythological archetypal presentation of the experience of 'oneness' in general is that of concurrent identifications and object transferences from all libidinal components spanning ontogeny, clear from the first impressions in the womb (remember the heart image) to those of the component instincts and their mature representations in eventual unity—and—extending the same structure of concurrent identification and object, to include the complete bisexual phylogenetic representation in each person, IN THE CONTEXT OF OBSERVATION. To condense:

(Phylogenetic and Ontogenetic) Object + Identification in the context of Observation yields Unity.

$$\text{Obv}[p/\text{ontO} + \text{I}] = \text{U}$$

That is the formula for our wish fulfillment, place and purpose in happiness on this planet!

Self is, and is not denied in any way! Self is now also part of a single object...as object and subject both. So many wishes are filled and all of life is full...a wonder of pure gratitude! Here, is love of fate. *Gratitude is the wish to repay the feeling that each moment is filled with its own parcel of pleasure and happiness...* did you know that? Oh my friend, it is true! We are filled, filled each second, filled with a quantum of pleasure, and so...we are grateful for everything! Love of fate...of even...*this*! Gratitude! Empathy knows this thing best. Self is separate and distinct... omni-objective reality denies no object. Self: complete, not denying sexuality or the 'pain of the world' to be avoided...never! Gratitude.

Health accepts...and is grateful. Now I look at the world and *am* the world. This *is*



ethics. I could never hurt or exploit a part of myself. I feel the rippling wind in the trees, the shadows play upon my skin, and she is within me. Each stroke of my heart is her heart, now and forever, a unity golden and pulsing with light and sunny warmth, spilling out as a brook of starlight might nourish the bloom of this day. My wife a blessed sweetness, the trees nod and sprinkle the air with new scents of green and lavender, the day warm so close to winter. How full is my heart, one heart, this world is my skin, my breath is its wind, and we know one simple truth of all things. For I have learned there is a thing we should all have and bring near, to never let go of the fact and the pulse—of one heart.

What are referred to as “peak experiences” should be the daily province of each healthy human. The race under the current configuration of sublimation by repression is that ill.

How does one free one’s self from the strictured labyrinth of one’s guilt? This is not an easy question to solve, and for many the answer lies beyond their grasp. The future holds within it the verse sung by those yet unborn. For us, there is a pathway laden with thorns and beauty, for them, a future of other than struggle. Next, I will discuss the ego and its functional modification so as to place Eros, and *not* Thanatos (death) as the main transference component by way of integration and transformation.

Patriarchal threat has cast the lot of man: submission, pain, obedience, death, depravation and war. The very fabric of each moment has been made empty, and anxious. The ego has been forced to repress a great many drives, and each of these contains energy, and so, energy is consumed in their repression. The resultant mental economy of the modern man is diminished thereby, his intelligence and feeling both diminished in a single stroke. Under repression his perverse drives never change, lessen or transform, and so, always assure immorality as the necessary result of his morality, which seeks to control and tame his instincts, rather than use them. In their containment, his drives must remain perverse, and will always seek to emerge and be released. To control is to sicken, and create the modern human, always waiting to rupture and express his repressed hatred: the human bomb. Morality creates the conditions for immorality itself, and sickness. The very conditions for the mechanism of production for neurotic symptoms, the return of the repressed, are set up by morality in its primary role as a repressive agent of guilty control. Neurosis is created by morality and its repressions and most all humans now have a low grade neurosis, many of course are in worse shape than that. Morality is designed to make you sick and keep you sick! Penalty and guilt creates repressions, and illness as a consequence when those repressed contents of sufficient energy return to consciousness.

". . . to ‘improve’ men: this above all was called morality. . . To call the taming of an animal its ‘improvement’ sounds almost like a joke to our ears. Who ever knows what goes on in menageries doubts that the beasts are ‘improved’ there. They are weakened, they are made less harmful, and through the depressive effect of fear, through pain, through wounds, and through hunger they become sickly beasts. It is no different with the tame man..." Friedrich Nietzsche, *Twilight of the Idols*.

So it is.

The patriarchal threat is not only of castration. Please recall for females, the threat Dodds spoke of is primary, to be abandoned and to die with no care. The ancient father's rights include this, and not only castration. Hence the oft expressed female primal fear of being abandoned with no care. Masochistic submission, sadism and dominance, these examples of the death instinct and patriarchy may be replaced with Eros. The human animal may flourish again ... as long ago before the bottle neck in history which created the patriarchal situation, there may be hope in an Atavistic Evolution.<sup>6</sup>

### **The ego as experiential template and epigenetic unconscious basis substitution**

Genes in epigenetic DNA are expressed in response to environmental cues. The pathology will be reengaged and the transference ruined again through exposure to the sickness of patriarchy as it has infected this world. You may simply bring the Alpha Function Key image (defined below) up in the mind and substitute healthy maternal expression and connection for the sick obedience to patriarchy and idiotic violence within you. The genetic basis of the unconscious part of the transference may be substituted thus, exchanging ill for healthy epigenetic expression in this way, to assure you health in this ill and degenerate world of the warring father. The unconscious is based in epigenetic expression, and so, may be adjusted to change the heart and nature of man.

The ego, the DMN is as an experiential template. By that I mean, ego instates repressions and so, allocates the valence, the feeling-tone of experience. By bringing the Alpha Function Key image (defined below) of safety and nurturance, transformation and health to mind, the image and its meaning are raised up in the structure, and so, have greater influence upon the transference as it is expressed in ontology. The world will change as the image becomes more and more predominant in your thoughts. Identifications stemming from unity will themselves be ethical guides, and you will no longer need to restrict feeling in any way in order to naturally move toward the good. The nature of man is itself good, as he feels what all things and peoples feel, directly. The golden rule is not needed, the categorical imperative is unnecessary and entirely rude! External stricture is repellant! A healthy human needs no strictures or moral rules at all—he feels what the world feels, the earth and its peoples and the creatures upon this earth, each twig and leaf is an extension of a healthy person, and so, he IS the golden rule, for he IS others! No external measure is needed. Ethics are a basis function within man which need but be revealed, and no means of secondary validation is required. Those

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<sup>6</sup> Freud's theories [see Freud's *A Phylogenetic Fantasy*] postulate a sort of bottleneck in history, perhaps around the ice age, where the pathology began and groups of our very distant ancestors under patriarchal domination were common. The impressions of ancient penalty and sickness are easily available to see and do not come from present experience, but are phylogenetic and probably epigenetic. Before that bottleneck, things were different. Just as before the later age of super-ego formation the child of 6-14 months had conscious access to the native impression of identification, and later knows nothing of it, so also in human phylogeny the earlier fact is now hidden and unconscious. Pierce the veil, and one can *find this impression*. Once this ontogenetic impression is raised up in the transference structure, health and happiness, caring, sexuality, kindness, satisfaction and gratitude, a feeling of 'fullness,' sublimation, interest and abundant energy replace pathology. Within both ontogeny and phylogeny: Hope for mankind, is an atavistic evolution.

entire ideas of external validation and judgement, conditional regard and guilt are themselves: *disease*. Punishment dissociates empathetic dynamics. Unity expresses them. Morality is immoral. Ethics are endemic. We need but expose the systemic component which has been concealed and broken by patriarchy, then, mankind may be transformed.

Let us briefly pause to examine the fundamental and permanent wound caused by patriarchy as inculcated into religious structure, and observe the way in which all hope and any possibility of advancement or happiness is destroyed thus. Then, we may look a bit more deeply and see a particular case of the formation of super-ego. Once we have examined these things, we may complete our model, and begin to change the broken impossibility which is man.

*The Death of Religion and the Rebirth of Spirit* by Joseph Pearce is a book which shows in very simple and plain terms the damage caused by the diseased wound which is patriarchy, and, how this single perverse submission has destroyed all hope for mankind. Observe how any possible hope for a good life is destroyed in the young, and a homeostatic imbalance instated which can only be relieved by some nonexistent imaginary domineering male spirit, insuring the child will grow up to be unable to think, unable to experience a moment of happiness or independent thought, and most of all, once made stupid and dull in this way, they will obey any male instantly, no matter how foolish the command may be. They are once and again thoroughly ‘broken.’ Submission. This is the masochistic result. The human made masochistic thus, can not think and can not resist, he submits, becomes weak and limp...forever unhappy unless under the conditional dominion of some supposedly superior force, which is in fact a simple imbecile! Submit to an imbecile and do as you are told, give up the hope for any independent thought and obey, no matter how foolish the command, be broken to my will, submit! This is the command of patriarchy, the word of the imbecile.

*The Death of Religion and the Rebirth of Spirit* by Joseph Pearce p. 163:

“A fundamentalist Christian, a seemingly bright woman with a PhD., explained to me at length that it was our duty as adults to break the will of infant-children, teaching them to obey in order that they, having then no will of their own, could be open to God’s will and be obedient to him. If we fail to do this, she said seriously, and leave the child willful, both the child’s soul and the adults’ are imperiled and and we face the risk of hell.”

This breaking of the will is the triggering of the epigenetic impressions underlying super-ego. Once formed, the transference is then imbued with a masochistic wish, a wish for punishment and death. This is the basis of the hopeless condition of man, his masochistic fixation and sadistic identifications, leading to the broken history of man: War, Cruelty, Obedience, and Death. I will show you an example of the formation of this structure which has created the violent, obedient and hopelessly stupid animal that is man. You may observe the initiation of the actual wish which has destroyed mankind throughout history, and observe its triggered creation.

Using the memory retrieval techniques of Native Psychoanalysis (see *Tangible Self*) it was possible for me to locate the following impression, and by way of a technique known as Re-polarization, I was able to change the memory and free myself from its influence upon the transference. This one piece of psychology involving the reliving of the formative super-ego memory many times and through this process creating a new memory, is vital for those who are substantially ill, but, no such painful procedure is needed for the young! For them, there are few thorns upon the pathway of the future. Those readers who are not profoundly unhappy may benefit easily from the ideas in these early chapters which will work quickly, and those others who are more deeply injured, could be helped through the other more invasive techniques within this volume, at far greater expense of pain. The injuries we have been made to bear may be healed, although no such thing is ever easy. Take my hand and know, it can be done.

Super-ego: the formative impression.

What is the breaking of the will? If one were to observe the thoughts of the child, which are not unconscious for him at that time, what would the images be? What is the meaning of a 'masochistic wish for punishment and death'? What is at the heart of super-ego? We know Freud says it is guilt, and that he says that is death, but what does he mean? How does aggression, sadism, turn round into masochism, as Freud says? What goes on within our children, when we do this thing to them?

Here is the memory of super-ego formation derived and solved through Native Psychoanalysis.

My step-father is in a poor mood. I am young, ~ age three to four. I hear the antacid tablet clink on the plate as he removes it from his mouth to shout at me. I am berated for no reason whatsoever. Although I have done nothing, and was most careful to avoid any such reproach, an accusation of chewing improperly with my mouth open is made at a shout, and I burst into tears and run from the table into my room. Now the formation of super-ego begins:

1. I am weeping uncontrollably, and need my mother to comfort me. I am choking and gasping and can not stop crying. I repeatedly shout, "Mommy, mommy, I need you."
2. She does not come to my aid. The feelings of abandonment and loss of love are overwhelming and must be answered and quelled. As no help is forthcoming, the following reactions are set into play:
3. The feelings which are reacted are:
  - a. Mother, I need you.
  - b. Mother, I am hurt.
4. To stop the intolerable anguish, the passive emotional states are reacted into active ones:
  - a. Mother I need you becomes, mother I am dominating you.
  - b. Mother I am hurt, becomes, mother I am hurting you.

5. Once the passive suffering is transformed into active fantasy, and the hurt I was experiencing becomes a fantasy of hurting, of sadism, the tears stop. Now I am fantasizing about hurting my mother, who did not comfort me, and allowed my step-father to abuse me, and, the suffering and weeping stop, now replaced by thoughts of sadism and hate.

6. It is the *economic* factor, the *quantitative* factor which is key (Freud, 1915, p. 181), and once the sadistic thoughts become hyper-energetic, they create a new cognitive dissonance: guilt. A dissonance which would be tolerated asymptotically at a low energy level, becomes pathological once the intensity is increased past a point. The phylogenetic factor enters into play here. When we feel hatred, intense hatred for a loved object, the result of this ambivalence, so very peaked and reactive in its oppositional feelings, is guilt. When we strongly hate that which we love, we become guilty! To add this guilt to the sadistic stream, masochism is then formed. Sadism + Guilt = Masochism (Freud, 1919, pp. 193-194; Norman, 2011, p.116).

7. Here is the imagery symbolizing the guilt: I am howling in agony, my arms sloughing their skin like melt wax, my back hollow but for a necrotic pudding of feces and meat stirred with bones protruding as a crown of lamb sprung from the sunken hollow of my back, guilt and the knowledge that I am not loved, and am evil, and should suffer to know this, just as I am suffering, and so, I should know it: I am evil and unloved.

8. Now the result is the knowledge that I am a rotten person, so very bad, and of so little worth! I am so very sorry, so sorry, so sorry! This child wants but one thing: To accept the guilty definition of himself, he wants but one thing: *To be punished*. [The painful conglomeration of symptoms are in fact, a punishment, a super-ego wish.] In this, we see conscience for what it is: a masochism.

Please remember that no guilty act whatsoever caused this unhealthy conflagration of events, which were born out as a phylogenetic resonance, a preordained masochistic reaction as ripe fruit, a masochism waiting to be harvested, sown long ago by an abusive patriarch, now plucked from the branch to sicken, all as a function of the quantitative excess of feeling, not borne upon any real guilty action!

The above referenced from: [Norman, 2013 Prometheus]; [Norman, 2013 Re-Polarization]. Find those at: [https://www.researchgate.net/profile/Rich\\_Norman/publications](https://www.researchgate.net/profile/Rich_Norman/publications)

Once we break the will of a child and bring him under the sway of guilt and submission, his inner world changes, the circuit allocations and genetic underpinnings within him become perverse and fixated: masochistic. Those images symbolize guilt and death, subjugation and anal penetration symbolized in the hollow back with bones protruding, an overdetermined castration/submission symbol of anal penetration<sup>7</sup>, and the arms with skin falling off as if burned meaning the same again, a symbol of castration. In this, patriarchy has placed the ancient seeds of a violent guilt and punishment within us all,

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<sup>7</sup> Anal penetration by the father unconsciously implies castration as requisite to acceptance of a female role. Overdetermination and associated heightened energy is indicated in the repetition of the bones.

waiting to be harvested in a triggering act of threat and cruelty. Once reactions to the abuse reach a peak, the guilty genetic impressions of deadly violence appear to answer the intensity of thought, script the situation and break the child upon the very rock of ages: phylogeny—the cruelty of the ancient father.

The entire of my unconscious before the change was filled with one thing: scenes of unbelievable violence, violence directly involving castration. The penalty of the father, cutting of the genitals—THIS—was omnipresent in each and every scene out of many thousands. The past of the race lives within us all. This is death, and, this is hope. Before the violence and threat of an abusive patriarchy, we were loved.

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We are now in a position to complete our basic model of the transference, determine why the situation we see exists and offer up a methodology to alter it for the better, and end the fixation which has shaped the history of man.

It should be clear at this point that the transference may be altered from a structure which has at its basis a masochistic and or sadistic and so perverse wish, to one where all elements are allowed free expression and unified. That ideal is just that, an ideal. We will attempt to approach it in a practical way for the adult and then, more closely for the young. In the adult, self-psychoanalysis is indeed possible so as to change the very basis of personality, but that possibility takes great courage and is reliant on the subject being able to look directly at their least desirable aspects, and absorb great pain in so doing. Even in those cases where the subject is perfectly willing to find and deal with the discomfort of unconscious content, said content is by definition hidden, and, this resistance is part of the hallmark of psychoanalytic practice itself. When I first began the *Journal of Unconscious Psychology*, I imagined that others would be easily able to follow my techniques and heal themselves. However, this was not so. A piece of lowered resistance, a piece of hysteria is needed and many cases, particularly OCD cases, even where some useful hysteria is evident, have too much repression shielding the content, and the faster technique sometimes does not work. SSRI withdraw however, leaves permanent damage converting an illness of most any sort to hysteria, and this is why my techniques worked in my case. The way you may overcome this and use my techniques in those resistant cases will be available after my death, in the *Black Papers* to be published at that time. Even so, I have devised a technique which permits one to utilize the unconscious drives and unify them, without knowing the particulars of their constituency. This avoidance of such terrible pain, of course, comes with limitations and those subjects who are in severe pain, will need sterner measures. Some of those are included at the end of this book. Having said that, I am entirely pleased to offer up a technique that will help many.

We will first clarify a few points and condense the transference in our simple model, and then put it to use.

### **Condensation of transference:**

Conscious experience is given its quality and hence its definition apart from taxonomy by way of static affective associative distributions which attach onto objects and situations, and, by way of unconscious fantasy which acts as an unseen dream giving experience its quality, meaning, its feeling-tone. This unconscious fantasy may be fixated and regressed, meaning it is unchanging and related to a perverse formative stage of development that is sadomasochistic and a representative of the death instinct as it is in mankind, or, it can be an expression of our drives in a unified structure inclusive of identifications with the past of the race, and the external world in toto. The transference may be modified to ameliorate pathology. The ego represented in DMN functions as an experiential template which has been experimentally demonstrated to be malleable under the influence of meditative practice, and, the unconscious itself is scripted by the phylogenetic expressed from epigenetic DNA which can be changed by genetic basis substitution, one expression suppressed, and another expressed to change pathology into health. Lastly, alpha function, transformative capacity to alter the dream beneath reality may be manually engaged (see below), to transform basis elements in the transference dream.

The unconscious houses nothing but pain. The ego suffers to know of any of these contents. However, those contents in the main, are NOT painful in and of themselves. They are instead, paired as reaction formations. Please recall the earlier example given, of a child playing with his feces. He finds this pleasurable. The pleasurable drive becomes unbearable and is then repressed only after shame is added by the parent, presented as the affect of disgust. "No! That is Disgusting!" Then, when the child thinks of playing with its feces, instead of pleasure the opposite notion is now in consciousness, disgust. This substitution of a paired opposite in consciousness for a drive, is called reaction formation. We can see that reaction formation sets up a great deal of the repressed unconscious. This will be important in a later context regarding the raising of children, in whom we do not wish to produce a repressed unconscious and the neuroses implied by it. The idea is important now, as it shows that the energies in the unconscious are painful one and all to the ego, but, in and of themselves they are in fact pleasurable in the main. This must be the case, as a great deal of the repressed unconscious is formed by reaction formation and that reverses the valence of conscious drive elements by pairing them with shame and guilt in order to repress them. Those drives themselves are energy, pleasure and happiness once unified within the context of all other drives. A perversion, an infantile component drive element is a building block, and once rightly added to the edifice of personality, its purpose may be served in a non perverse way. A drop of salt in the ocean, so is each drive, however, a mound of salt extracted and concentrated from the watery volume of the sea may be so potent, that it becomes poisonous. So it is with unification, perversion and repression.

With this in mind, we will use the painful signature of the unconscious elements to access them, and then release the painful elements from reaction formation directly into experience, where they may add their pleasurable affects and energetic contributions



directly to perception by way of transformative integration. The unconscious is paradox. Within each pain, our pleasure lies hidden.

First we will learn how to engage the transformative circuitry manually.

### **The Alpha Function Key:**

Alpha function is a basic function of healthy transformative symbolism as discovered by Bion, associated closely with dreaming, and dreaming as you know underlies all of experience and not just REM sleep. Schore found what is clearly by my interpretation the circuitry responsible. This sympathetic dopaminergic and parallel peptide (endorphin) circuitry is innervated, meaning formed, in the first 18 months of life.

This basic circuitry distributes energy and transforms it. In order to create the attendant epigenetic substitution exchanging Eros for Death in the transference, assuring health by way of establishing connection to transformative capacity and energetic distributions in the context of formative nurturance, the following meditative exercise, called the alpha function key, must be utilized keeping in mind, ego, the agent of repression is affected, DMN is affected, through meditative practice. We will use meditation then, to alter the structure of the Default Mode Network, which is Ego, and change the transference.

One can not possibly locate the triggering impression of nurturance from so long ago, and now, the impression of one's mother after a lifetime of experience is far different, and will not trigger the initial image triggering circuit formation. We must use the language of the mind, that of dreams: *symbolism*, in order to trigger the feelings associated with the image, and bring the image to the surface, where it will affect the transference. Once engaged, the circuitry may also then be applied to transform specific pieces of unconscious content, and unify perverse elements into a transformed unity. In intersubjective psychology alpha function is used in what I firmly believe to be a haphazard and unfocused way. Alpha function is a vital and real anatomically based concept, but, it must be directly applied to specific pieces of content to have any real effect.

The key image which follows will symbolize the alpha function formative impression, and provide you with a sense of peace and connection—and—permit you to transform libidinal components into a unity with no restrictions.

To begin, simply imagine the image, and enter into it as if into a dream. This simple meditation performed for 30 minutes or more will begin to return to you what cruelty and the past have stolen. This is a symbolism of the events, the reciprocal exchange of gaze and glance which initiated neuroendocrine changes to form the sympathetic limbic/OFC circuit, in the primary impression of empathy.

*"Please relax, hear, the water, and listen to my voice. There is a meadow, within the forest, surrounded by trees, stirring, a distant breeze. The day is still and quiet. Listen*

*to the shining brook, spilling itself, over smooth rock and sand, listen, as it splashes, so near the meadow.*

*You are dreaming, in the meadow, reclining, in a still bed of folded grass and thick green moss. The day is sweet and warm. The breeze is a caress. The sound of birdsong, and clear, silver water, laughing and trickling, wrap themselves around you, and enfold you. The wooded valley holds you, in the cup of tender morning light, spilling her heart of golden warmth upon you.*

*The sun is pouring down upon your face, shining and warm, golden and loving is this light, a light you are folded into, and have created, shining, pouring back up into the arch of heaven, spilling up from your glad face, and again down to fill you, the trees nodding as you dream them, the sky golden and warm as you have poured it—and back around—for it has dreamt you...now as the world, of the world, nourished and warmed, the circle complete, a round of golden warmth and light, spilling into the world and returning again, unto you, and again, you unto it...and all the world is eternal, safe, nourished and nourishing, a circle of happiness, pouring down and returning, warm and sweet, the circle glowing, life spilled round into warmth—and golden light.*

*And the sun does spill her heart of warmth and golden honied sweetness upon you, and from the open breast of your happiness, so safe and glowing, you return and love, this world, which has nourished you. Into the arch of heaven, your eye does turn, and cast your light aloft, pouring upward to fill the sky, and find, you are the sky, and this earth. In gratitude the sun does pour her heart tenderly back upon you, and return unto you, the warmth you have given, to hold and nourish your spirit, and gently cup you, within the giving heart which pours...and holds you, as warmth—and golden light."*

One of the most pressing difficulties I faced was in attempting to deduce how one might maintain the change within the constant impact of the world's degradation, as it re-triggers the pathological epigenetic impressions. The answer is actually quite simple. Each evening one uses the above meditation, which one also keeps in mind continuously all day as a sort of undertone to one's thinking. I pair the image with a song, and hum it beneath my thoughts, and as will be seen, that image will serve many other functions within such daily activation. As one meditates upon the alpha function key each evening, the meditative focus will soon trigger substitutive expression of the healthy maternal epigenetic impression, in substitute for the pathological epigenetic expression previously triggered within unconscious processes. One may maintain their health thus, by utilizing this idea of epigenetic unconscious basis substitution.

Each day, you will awake refreshed with the circuit balance improved between the sympathetic circuit and parasympathetic. The meditation is itself security, permission to the mother and the identifications that implies. It is this vital and basic permission which patriarchy has refused.

Next, we will learn a simple technique to make an automatic habit of accessing and using unconscious energies. Then, we may speak of a few things, and assemble the parts together.

## The OEP

The Open Emotional Posture (OEP) is a reversing of the repressive habit which is itself the way neuroses are set up. The return of the repressed forms symptoms, so, we will defeat neurosis in several ways, each of which contribute to the goal of eliminating the symptomatic foundation of repression, which of course as you are aware, is based in ego structure. The OEP will be a tool used to train ego to distribute energies in a new way, and alter its structure from one of repressive gate keeper, to that of holding the door to the repressed open.

See *The Tangible Self* for more detail:

General OEP instructions:

To establish the open emotional posture, first, the subject must find within themselves, a painful memory or thought. The closer to a real repressed thought the better, so the idea chosen must be deeply disturbing and sad, painful, so much so, that it is almost impossible to tolerate. This is akin to an unconscious ideation, although of course, much less painful. Allow the memory to freely enter the mind without resistance, and then, do not resist the feelings in any way, but instead, learn the habit of opening up to the pain, rather than resisting it. This will create the necessary conditions, and a piece of hysteria will emerge—*tears. That is the key.* If no weeping can be brought forth, the OEP has not been established. True pain, just as in every single unconscious ideation, is essential. The unconscious contains nothing but pain and suffering, so pain is the light we follow to the hidden depths. Soon we will change the state of affairs, but for now, know it: pain is the way toward the depths. Eg. As you think of the death, or the injury, the sorrow of failure, the suffering so great it can not be withstood, you now know, you will not resist but will become again, and will allow this suffering to emerge without restraint. Become open and unresisting. This and this alone—*is strength!* Soon, the tears will flow as water, the pain released and flowing down your shuddering cheeks, the salt and sorrow as drops of light flowing over your parched world, as rain and salt wept from a burst cloud, weeping in purity and light, never to resist again—Now, allow the pain to increase and increase, never resisting in any way—Release—everything! *To withhold, is cowardice!*

Soon, after the flood, the pain will spend itself, the contractions allowed to come, never resisted, and then, the rain will slowly drain away, as mist and dew is our pain once spent. So allow it all, release this one pain and...*never resist again. Remain open, in just this emotional posture*, never resisting any feeling—ever! Allow all the world to spill out from within you and know it: emotion, affect, libido, is the energetic source of all thought.

One must take a sort of mental photograph of the emotional posture achieved in not resisting pain. That emotional posture is the key to the access of unconscious energies, health and pleasure. Beneath our pain, our pleasure lies hidden. Higher thought is powered by these lower repressed energies, which once permitted to sublimate directly into experience, permit one's ascension and pave the way toward a new and vital habit: the habit of always remaining open to all feeling, and that of using all energies directly, without restraint. Feeling is itself ethics. The connection to all things will bring you clear information, pleasure and pain in abundance that will guide you without fail toward the good. Once identifications are in place, the appetites one experiences are those of an active ethical appetite, libido (feeling, sexuality, caring) and identification are the basis of ethics. Feel everything. Resist nothing. Everything is yours. Only one thing is sure, only one thing is not a lie, you may feel—everything. It is this connection to the world and earth, to the mother, which you deserve most. No one may ever take this thing from you again.

Concerning the OEP: The necessity of locating a painful memory and not resisting it is required only in so much as is initially needed to gain a clear mental image of the emotional posture of remaining open to all feeling. One need but use it for perhaps a few months until the feeling of remaining open is learned, and may be recreated exactly, sans pain. Pain will guide you to the depths, but once you understand and can replicate the emotional posture you may dispense with the painful inner stimulus. The feeling of becoming and remaining open, only that is required. Happiness needs no pain to find her once you know the way. Resist—nothing. Affect is consciousness. Use everything.

The alpha function circuitry is analogous to an oxygen scrubber in a spacecraft. It takes unserviceable energies which are toxic, and transforms them into usable libido which can be integrated within healthy personality and used as energetic fuel. One can utilize and transform perverse drive elements and memories, and directly use the somatic content, meaning the bodily impressions themselves, to power experience and reclaim the energies in health, allowing them to be utilized and their dissonant capacities reduced. Sexual abuses create drive structures, and if the abuses were if not overly violent the bodily impressions may be directly utilized to power perception, and through mid-level processes they may be re-dreamt, used to enrich experience and made nontoxic. The full measure of one's drives may serve one. Less abusive treatment may be reclaimed. Many may easily make use of these ideas and access their unconscious energies directly through transformative unification. These techniques will help many, but not all. Severe sexual trauma can leave scars which require techniques not stated here. Often, a standard psychoanalysis supplemented with other techniques may be needed in such cases. That having been said, many will find utility in what follows.

Once one becomes adept with the OEP, and the state is sufficiently well structured within the subject to permit it to be utilized for long stretches of hours in daily experience, and, the subject has gained the ability to keep the alpha function key engaged for those same durations, the following becomes possible.

In order to transform the valence of unconscious content without observing it and allow its energies to be transformed within a unified perceptual expression, simply proceed as follows:

1. Spend 30 minutes in quiet meditation upon the alpha function key.
2. Engage the OEP.
3. Reinvigorate the alpha function image by bringing it directly to mind.
4. Remain open and unresisting of your tears and happiness.
5. While maintaining the image as a background in the mind's eye (and ear should you have paired it with a song<sup>8</sup>) look out to the world, now filled with feeling, and resist nothing. Tears are a part of libido, a part of happiness and sadness alike, a warm tone and color in the palette of life's affective riches. Allow the world to flow out from within you and spill itself back within to fill your eye and heart.

Variations of the alpha function meditation include but are not limited to:

Utilization of controlled breathing in 10 and 30 second timings for inhalation and exhalation. Biofeedback devices indicating heart rate variability are helpful in finding each individual's rhythms.

Secondary symbolisms with the identical meaning may be derived.

Those with sexual trauma who have access to the bodily impressions of the source experiences may proceed as above, with the following adjustments and cautions:

1. Spend 30 minutes in quiet meditation upon the alpha function key.
2. Engage the OEP.
3. Reinvigorate the alpha function image by bringing it directly to mind.
4. Allow the somatic sensations of sexuality to propagate directly into your mind and body without restraint or observation.
5. Closely observe the internal alpha function image. It will become brighter in time with the energetic timings of the somatic impressions.
6. Look out to the world and behold—the libido is now fused into a unified reality, and you may freely use the drive and damage that is within you as a power source for

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<sup>8</sup> One simply imagines a beautiful melody with the image in mind through hours of meditation. The pairing is thus created by a process known as Hebbian Learning.

perception and other sublimation and freely express its transformed, cleansed sexual energies. *However—*

7. Be cautious, look inward often to the image. Excessive excitation and brightness will lead to a painful collapse of the transformation and create symptoms. Terminate the OEP before the image becomes too bright. Some considerable amount of care will need be exercised to avoid painful symptoms created by the collapsed circuit from excessive energies. In a few weeks, enough energy, known properly as *cathexis*, will be spent, so that this caution may be left aside and the energies then used to power a host of burgeoning new mental abilities and energetic sublimations which will become available including most of all, the sublimations which are experience and perception themselves.

Again: Severe cases will need to go the full painful rout and handle the unconscious content directly, dig it out with therapy and perhaps a construction. Other methods will be disclosed to alter that situation after my death.

You will soon find something most unexpected. Affect, feeling, the source of consciousness itself within humans, fuels not only the poetry and fullness of each moment, but the wheel of art and intellect begins to turn of its own accord and all the world becomes—*interesting*. A fascination is she. Life is a fascination too warm and tantalizing to resist! All the world is a libidinal sublimation, and from within the warmth of the poet's eye, a new "I" does spring, and fascination makes play of what were heavy worlds, now no longer forbidden. Science begins to glow and purr with her intricate tricks, perhaps you might catch her, irresistible is she! What worlds call out for you to build them? The questions of happiness, the questions of the creator are now your wishes, your wishes—to know.

For we adults, the road to change is difficult. We have been taught the perfect art of self-destruction and now we must unlearn a deeply entrenched and genetically supported lesson which is cut into the bedrock of our psyche. However, children have not yet had the illnesses triggered, and may be taught the correct lessons of ethics and connection. The pathological basis beneath mankind is his morality, so deeply rooted in violence to be submitted to, reacted against and modeled, in turn. Mankind is immoral, and must always remain so due to unconscious processes for one reason: his morality. Once preserved under repression his wishes become eternal, his immoral necessity held fast by his morality. We will instate the basis of ethics into the young, and allow them to grow with great tenderness and feeling, in a world of caring and tender subtlety, always nurturing connection to all things, and in equal measure encouraging a profound and silly laughing disrespect for authority which simply does not understand the meaning of guilt. Guilt is itself the first sin. How perfect is life, unfettered and light, thoughts slipping over sun and smooth stone, the sparked brook of happiness, the wellspring of higher thought is light and free. Guilt, is stupid idiocy, the mark of the obedient, the dull, the hopeless and grey, and the imbecile himself! It is guilt which has made man funny, worthless and weak, angry and broken, unable, submissive, yielding and sad. Self disgrace! Man's inhumanity to man, as a permanent self-parasitism. How unbelievable and wrong! You are worthy of everything. Your children are the light heart of hope. They are the good.

That which feels in tenderness. That which laughs, and in perfect light and innocence, sips upon all delicate worlds, and so nourishes them. Creation is happiness, the province of play, so are all ascending perfect worlds.

Please recall that children are to be raised in such a way as to minimize the repressed unconscious. It is the repressed unconscious, created in large part by reaction formations, that curtails both empathy and energetic distributions leading to happiness and intelligence. The dull ape which is man is a guilty hunched over shadow of himself, brooding and dull, he lacks the confidence of his own thoughts, always lurching and checking, looking to be sure he is right. If instead of his guilt and insecurity, his rage so deeply chained and fed, what if his heart could be light—?—each blade of grass a part of himself, tender and easy is the complete soul, at last ripe, full in tears and warmth, ready to feel.

We raise our children with myths and stories, stories of savage penalty and sadistic reprisal to encourage them to do as we say. God threatens judgement, German fairy tales are filled with pain and threat, and the Koran is filled, as a homespun Baptist preacher's throaty shouting lectures, with penalty, fire and flame and all the usual threats! There are stern rules even in Christianity, which had many of its tenets altered from the word of its noble teacher by Paul to be inverted and false, leaving threat and measure before the door of a mythical heaven, in place of any real glad tidings in the present. This myth-making, so filled with hell and penalty is pathological in and of itself. I propose, human connection can be fostered with a new myth, a myth of empathetic connection rather than threat, for our children. The result of this infusion of moral threat...think of The Twelve Tables of Rome, so vile and sadistic, all the way to our completely ineffective death penalty and know...morality does not function to create ethical behavior...threat is a dissociative element! Do you know a boy who was raised with severe beatings? Do they respect authority? No, they do not. They fear nothing, and perhaps may spend a lot of time in prison, and are filled with hatred. Threat is a failure...! A new myth is required.

The religious texts contain truth, and are filled with violence and patriarchal threat. To reach a child in kindness and discuss matters with him is effective if that child has been raised with sensitivity, empathetic understanding and caring. I suggest, that a parent who is aware of the source of modern pathology, can restrain themselves in their urge to punish their child and by force of will curtail their own natural violence and hatred, rather than vent it upon their offspring in insane fits of anger, guilty bunk or beatings. If so, and violent, guilty penalties are thereby avoided, a foundation of connectivity can be fostered with a new myth of identification, and ethics may emerge in place of the poison of morality. Religions often foster submission. I wish to replace this goal of submission, with one of connection. Let us keep the truth within these texts, be rid of the sick moral bluster, and replace moral threat with ethic's fount: empathy via identification. I have observed in all cases when I am betrayed or stolen from, a lack of compassion and caring is demonstrably present. Threat means nothing! Identification is the pathway to ethics:

Imagine a fine piece of learning from the Koran. I paraphrase:



"Any man who overturns a single palm tree will be punished, burned in flame, and boiled alive."

Good message, is it not? Yes it is...*exactly right!* But the penalty is very ill. Morality creates sickness— an internal, eternal, arm wrestling match. Let us replace the pathogenic morality, with ethics and see what happens:

"Come my child and look upon the palm, her leaves caressed by the breeze which sweetly has caressed you, and so, as you she does flow and flutter, feel and live, the warm breath of summer, folding its hands through her leaves and crown, as I caress your hair, and stroke your cheek, so does the light and wind adorn her and love her...as I love you. The warm sun spills upon her green crown and upon your skin, and fills all the world with a cloak of light and warmth, which is the day's treasure this world lavishes upon you. Can you see her leaves filled with happiness, swimming in summer sun, so glad and full, as you my child are full here beneath her branches? Each leaf, as your fingers and hands, swimming in thick wind, filling your eye. For she does love you, and she is as you...your hands and fingers are her leaves...did you know that?...for it is true. Her trunk, bends and sways in the wind and sun, as you bend down and lower your head to drink from the silver spring which flows beneath her, and so does she bend as you dip your head into pure waters, and quench your dry mouth from her silver sheltered spring. For she does hold her branches to shelter you, and hide the shining spring from the heated sun, so it is cool for you. So does she love you. Can you feel her crown and leaves as they stretch toward the heavens as you did this morning, so happy to meet the first rays of heaven cast down to enfold you? Yes my child, for you are as I, flesh and bone, bark and marrow, fingers, hands, swaying trunk and leaves, are you not? And so you may yet remember the golden feeling as she holds you in her soft shadow, her trunk and bark, as your waist and skin, so firm and strong, so tender and right, swaying in shifting wind and golden sun...and so are we all, nourished together in the breath of summer sun and wind. For we are but she and she us, together and of one heart, tender and bright, worthy and perfect, each as the next...not above or below, but the same. And this is why we are here, to be together and nourish each other. Caring and sweet is the truth that we are one, here under the eye of this noontime sun, spilling out and nourishing us both, here, gently held under the crown of her cool shadow—so perfect and kind is this world. Look upon the sight and know: in this, we are lucky."

Let ethics replace morality, and threat be forgotten. In warmth and connection each child may be nurtured, to feel. Each creature of this earth, is of his flesh and the tender side of every hill, is but his shoulder and side. In this, one who feels, loves themselves and the world—can not harm. The essence of man, is of the good. Tender is his heart, and the pain he feels runs as tears unloosed from the heaviest torn cloud. How impossible it is to harm the tender things, for they are but my flesh. All which judges you, is a lie. Release and be free. The good, is the province of feeling.

If it is possible, children should be taught the skill of meditation and learn the alpha function key and image. It must be a matter of reward for them to learn it. You see, the world is filled with sickness, and it is sure to trigger the deep illness which resides within

their DNA's epigenetic information. The past of the race, so filled with illness, can easily be brought to the fore. It is therefore imperative that:

1. Patriarchal authority, mad rage and guilty threat must never be permitted a hint of existence, to avoid triggering expression of the pathogenic genes in the first years of life so punitive super-ego never forms.
2. Identifications must be encouraged, so as to offer the proper substitute for the degeneracy of morality, in a burgeoning developing natural ethics. This core of connection which feels the pain and pleasure of the world in great sensitivity is endemic, self-adjusting and situationally adaptive. Rules fail in all cases for the lack of this endemic ethical "truth function."
3. The skill of meditation must be learned very early, and encouraged as reward. Each evening, it must become indispensable, a perfect and beautiful habit must be created, warm and filled with safety and light. In this way, the child will be able to return the state of their epigenetic expression to one of health on a daily basis, and sustain an ascending world even in the onslaught of sickness, greed, obedience, emptiness, threat and patriarchy.

## **Autism: evolutionary threat and prophylactic determinant analysis**

Please see *The Answer: Roadmap for a New Humanity* for referenced citations below (free versions and hard copy linked below this article).

### **C-Elegans, the basic motor-self and evolutionary connectivity.**

To observe the C-Elegans as represented in recent 3-D video recordings articulating calcium channel activity of a free ranging specimen (Nguyen et al., 2015) has provided us a rare opportunity to examine its neural connectomics in active expression. Application of our techniques of mathematical multifractal analysis revealed the entire system to be multifractal (Conte, et al. 2016). This primitive animal possessing 302 neurons so deeply akin to the Cambrian 300 neuronal mass delineation, displays only basic somatically grounded reflex motor behaviors such as avoidance of environmental impingement by way of truncal flexures and bends, egg laying and the like. Here then, we see a basic life form, entirely reflex in its somatic attempts to interact with its world, a world of somatic necessity and reflex expression of instinctual desire, the instinctual somatic reflex to avoid stimulus that impinges negatively, or positively engage with food stuffs or the like. Here we see unconscious explorative and orienting behaviors, the instinctual reflex motor basis of more complex expression evidenced in later life forms. The entire affair is multifractal.

Simple life forms such as *Caenorhabditis elegans* containing populations of ~300 neurons are demonstrated to have inhabited the Cambrian period (Hameroff, 1998), and so, we may observe something akin to the light from a distant star in *Caenorhabditis elegans*, which has preserved for us, an ancient simplified systemic architecture. Important quantum theories propose that this neuronal mass represents a particular and specific threshold for conscious functioning, where the neuronal system has established sufficient microtubules to account for rudimentary conscious self-direction, allocating experiential quanta to be derived in less than a minute's time (Hameroff and Penrose, 2014, p. 66). This primitive rough-grained consciousness then, may be understood as the simplest form which might yield new insight into the origins of our more complex human system. Here in this revolutionary new imaging technique, we may at last find opened, a window into the beginnings of both self and soma (Nguyen et al., 2015).

In consideration of the proposed conscious quanta, the majority of the behaviors we see in the video captured, must be somatic reflexive environmental interactive adaptations: unconscious explorative and orienting behaviors. See the web link below.

Neuroscience News, Dec. 31 2015: 3D Footage Links Neurons With Motion and Behavior:

<http://neurosciencenews.com/motion-behavior-neuroimaging-neurons-3327/>

Rudimentary consciousness then, appears to be somatic, and primarily unconscious. This unusual insight, finds deep parallel in what evolutionary biology and psychology have

derived to be the roots of our mammalian consciousness.

It has long been known that unconscious content may be interpretively accessed, and unconscious processes observed in REM dreams (Freud, 1900). We can find in REM dreaming a return to what was once a rudimentary affective primary consciousness in our distant ancestors (Panksepp, 1998, pp. 133-135; Norman, 2015*d*). In REM we see intrinsically sourced basic upper motor system activation associated with: pyramidal tract neurons, cerebellar red nucleus, ventro-lateral thalamus, and most pontine gigantocellular field (FTG) neurons, the last being similar to activation patterns observed in waking animals (Satinoff and Teitelbaum, 1983; Stickgold et al., 2001). It is possible to trace the mammalian historical record of evolutionary development as it stretches backward toward its earliest origins (Panksepp 1998, 2012). Basic bodily orienting responses are sourced in the ancient connective somatic juncture of the superior colliculi and the Peri Aqueductal Grey (PAG) alongside the adjacent mesencephalic locomotor region, **a basic affective motor-self** designed to provide *rapid bodily response* to sensory indication of actual or possible somatic impingements (Panksepp, 1998, p. 312). This author [R.N.] has deduced that the manifest complexity of later unconscious, hence conscious and psycho-ontological operative presentation, is in fact, of somatic origin, and may well have epigenetic underpinnings (Norman, 2015*c*).

Evolution has selectively allocated systemic functions in later more complex organisms such as humans to highly specialized cell groups, each consisting of neuronal clusters well in excess of the 302 neurons which populate *Caenorhabditis elegans*. In humans: the suprachiasmatic nuclei synchronize circadian rhythmic functioning, and act as specific melatonin binding sites. Melatonin is produced from 5-HT in the pineal gland via a two step enzymatic process (Panksepp, 1998, p.130; Gazzaniga, 2009). Exploratory behaviors are encouraged by a dopaminergically modulated SEEKING system (Panksepp, 1998, pp. 144-163), extending from medial forebrain bundle-lateral hypothalamic circuitry, up to the nucleus accumbens to the medial prefrontal cortex via the mesolimbic and mesocortical dopamine pathways. Energetic needs and resultant food consumption are assessed in the ventromedial hypothalamus (ibid, p. 175). Panic responses are mediated through the midbrain PAG (ibid. p. 267). This level of specificity and complexity, is itself, evolutionary adaptation drawn from previous more simplistic somatic presentations (Panksepp, 2012). I propose evolution is a quantum cognitive physio-interactive emergent phenomenon which creates niche diversity of initial commonality. Cognitive teleology by quantum process. If this is so, we should observe said basis commonality at all levels. Do we? If so, we may deduce the active principle.

Highly detailed empirically supported mathematical models derived from Time-Dependent Density Functional Theory indicate that life may well have evolved from photosynthetic prebiotic kernel systems in the Isua Greenstone Belt in Greenland some 3.7–3.85 billion years past (Tamulis et al., 2016). This common ancestry has branched into many individuated examples of evolutionary specificity, which can be observed to share fundamental commonalities, and homologies (Panksepp, 1998; 2012). So great is the commonality of evolutionary genetic origin that fruit flies and mice may tell us of human Parkinson's "Pink 1" genetic mutations influencing mitochondrial functioning, and

primitive *Aplysia* have revealed the foundational epigenetic basis of memory, which persists and may be recalled by stimulus when neuronal connectivity has been disrupted (Chen et al., 2014; Morais et al., 2009; Clark et al., 2006; Yun et al., 2014). Neuronal activity affects gene expression (Panksepp, 1998 p. 93; Watanabe et al., 1994; Zhu et al., 1995). Epigenetic memory extends across generations in mice, *C-Elegans* and humans (Greer et al., 2014; Dias & Ressler, 2014; Yehuda et al., 2015). Through demonstration of extensive resultant primary-source inter-specie systemic commonality across divergent evolutionary presentation, it is possible to deduce automatic reflexive unconscious responses, archetypal and phylogenetic representations, adaptations and unconsciously instantiated human learning, may be somatically and epigenetically sourced (Norman, 2015, 2015a, b, c). The obvious commonality between emotive/affective bio-systemic expression amongst other animals and man has long been noted [see Darwin, 1872: *The Expression of Emotions in Man and Animals*]. Brain circuits mediating *panic* in the guinea pig, rat, primate, chicken and cat are highly conserved, and share origins near where physical pain may be generated by electrical stimulation of the midbrain PAG (Panksepp, 1998, p. 267-268, Panksepp et al., 1980; De Lanerolle & Lang, 1988; Jurgens & Ploog, 1988; Robinson, 1967). Play, or "Ludic" circuitry is demonstrated in humans and rats, the latter exhibiting something closely akin to laughter, and basic empathy (Panksepp, 1998 pp. 280-299; Panksepp & Panksepp, 2013). Rage system circuitry running from the medial amygdaloid areas downward via the stria terminalis to the medial hypothalamus then the midbrain PAG, and rage system neurochemistry, are conserved to a great degree across mammals (Panksepp, 1998 pp. 190-196; Miczek, 1987; Miczek et al., 1994). Fear circuitry stimulated from the lateral and central amygdala, anterior and medial hypothalamus and midbrain PAG is also commonly attributed across divergent mammalian organisms (Panksepp, 1998 pp. 207-214; Panksepp, 1990; Davis et al., 1994). Nearly identical chemistry is evidenced across species, such as seen in the similarly structured reptilian peptide vasotocin, the piscine peptide mesotocin, and human vasopressin and oxytocin, which produce sexual response in amphibians, fish and humans respectively (Panksepp, 1998, pp. 230-231).

Commonality is established. Now we may correctly analyze the basis of teleology and wish.

Within that evolutionary context, we can see the fundamental somatic basis of wish in more complex life, as it affects evolution in the simple *C-elegans*. Think of the behavioral limit and scope of *C-Elegans*: *somatic* response is what we see, response to achieve escape or approach, ***the basis of wish is affective motor response***, the process reflex, and so, *unconscious*, the basis of wish may be found in this reflex motor system as it interacts with the environment. "*Motor-wish*" is therefore, *the necessary interactive basis of differentiated self*. Survival itself within the environment is based in this proposition of individuated response which clearly established a separation between self and the environment. Motor wish is then, the basis of self, and teleology as it influences probability outcomes and evolution.

We can now see the evolutionary connectivity between all living things, and the basis of mentation and teleology, in wish. Darwin's ideas are brilliant and useful, but, the

evidence requires the addition of mentation to account for the sudden burst of evolutionary diversity in the Cambrian period, and, the quantum theory offered by Penrose and Hameroff allows us mathematics to understand a probable mechanism.

To examine the best experiments, which are those of Dean Radin, experiments which have passed rigorous inspection and verification, we can observe the effects of mentally distributed information as wishes upon probability outcomes in physical systems: Luck! This is our better human future. Here is the real basis of the efficacy of prayer and other spiritual notions which are in fact, simply the interactivities between consciousness, its source and expression, affect and wishes, and those of physical processes and their outcomes. In these experiments we see wishes at work, and the “will,” practice, is of no use and decreases effects. Think of how a wish works. Take the sexual act. Once its energies are expended, it needs time to redevelop cathexis, energy must be reaccumulated. The pattern of initial increased success coming from a fond wish to be one with the distant experimental device, a double slit quantum apparatus or a random number or event generator was clear: mentation, wishes, affect the probability outcomes of random number and event generators which become organized to a small but measurable degree, they affect also, physical quantum systems. Thought, influences events in the world. Wish, is luck!

The basis of evolutionary teleology (by which I mean the effects of ‘intention’ (purpose) upon the evolution of physical and biological system state outcomes and somatic morphology) is based in *motor-wish*, in bodily affective expressions as is made clear in C-elegans. Those expressions at our higher human level of evolutionary development are mediated by affective empathetic identifications. It is this fact which justifies the qualifier “higher.” *The evolution of mankind is dependent upon his affective circuitry being properly allocated and defined, within an empathetic affective context.*

Autistic pathology affects the proper delineation of affective and expressive/communicative pathways, and hence due to its astronomical proliferation constitutes one of the greatest evolutionary threats to our species.

As a psychological symptom or dream symbol, such pathology is created by the simultaneity of many determinant factors leading to full blown pathology. If the main pathological determinant can be identified pathology may be curtailed.

One can deduce the deadly dispersion of nano-particulate aluminum in illegal geoengineering as one factor in creating autism spectrum disorder (ASD), Alzheimer’s disease, Parkinson’s disease, and attention deficit hyperactivity disorder (ADHD) .

See:

Bondi, S.C. Prolonged exposure to low levels of aluminum leads to changes associated with brain aging and neurodegeneration. *Toxicology* **2014**, *315*, 1–7.

Good, P.F.; Perl, D.P.; Bierer, L.M.; Schmeidler, J. Selective accumulation of aluminum

and iron in the neurofibrillar tangles of alzheimer's disease: A laser microprobe (lamma) studt. *Ann. Nuerol.* **1992**, *31*, 286–292.

Prasunpriya, N. Aluminum: Impacts and disease. *Environ. Res.* **2002**, *82*, 101–115.

Rondeau, V.; Jacqmin-Gadda, H.; Commenges, D.; Helmer, C.; Dartigues, J.-F. Aluminium and silica in drinking water and the risk of alzheimer's disease or cognitive decline: Findings from 15-year follow-up of the paquid cohort. *Am. J. Epidemiol.* **2009**, *169*, 489–496.

Yokel, R.A.; Rhineheimer, S.S.; Sharma, P.; Elmore, D.; McNamara, P.J. Entry, half-life and desferrioxamine-accelerated clearance of brain aluminum after a single (26) al exposure. *Toxicol. Sci.* **2001**, *64*, 77–82.

One can deduce the active effects of pulsed non-ionizing radiation as well, which acts to interfere with neuronal pruning via induced cellular calcium concentration anomalies.

See:

Goldsworthy papers such as:

The Biological Effects of Weak Electromagnetic Fields Problems and Solutions, Andrew Goldsworthy

Obviously, the vaccines themselves as all know, are loaded with toxins. However, it appears the main culprit was brought into play on the back of false science, which has never been corrected! The Tylenol now given to children after vaccinations instead of the safely administered aspirin which was used previously seems to be the single most influential determinant. Remove this factor, and the pathology is markedly reduced! This has been long known yet, the crime is never attended.

**Good P, Did acetaminophen provoke the autism epidemic?**

*Altern Med Rev.* 2009 Dec;14(4):364-72.

<https://www.ncbi.nlm.nih.gov/pubmed/20030462>

The results from observations in Cuba, where vaccination is used, but, Tylenol is not were very clear, and, those comments from a superior doctor, have been removed from PubMed! The Cuban information is clear: No autism is present if the Tylenol is avoided. It is not associated with the vaccines used.

I have located the information which was removed. It is found in another form here on this blog:



<https://corticalchauvinism.com/2014/11/10/acetaminophen-tylenol-and-the-autism-epidemic/>

“The implications of this evidence are obvious – and staggering. All children in Cuba are vaccinated, especially against measles. Yet our autism rate is almost 300 times theirs – most of it regressive autism about 18 months of age. We give Tylenol freely; Cuba requires a prescription because Tylenol is limited by embargo. But perhaps Cuba uses a single measles vaccine; some think the triple measles-mumps-rubella vaccine (MMR) is the problem. A measles vaccine was introduced into Cuba in 1971 (Galindo et al. 1998) – the MMR introduced in 1986 (Reed & Galindo 2007). If the MMR hasn’t provoked an epidemic of autism in Cuba since 1986, why would it do so in the U.S.?”

We may deduce:

One should, naturally, avoid exposing young children to environmental toxins, pulsed non-ionizing radiations and geoengineering fallout. However: Should you consult honestly with your physician, and strictly avoid the administration of Tylenol throughout childhood, the odds of that child contracting autism appear relatively low.

Hard copy of *The Answer*.

[https://www.amazon.com/Answer-Roadmap-New-Humanity/dp/0984569391/ref=sr\\_1\\_1?s=books&ie=UTF8&qid=1516156592&sr=1-1&keywords=the+answer+roadmap+for+a+new+humanity+norman](https://www.amazon.com/Answer-Roadmap-New-Humanity/dp/0984569391/ref=sr_1_1?s=books&ie=UTF8&qid=1516156592&sr=1-1&keywords=the+answer+roadmap+for+a+new+humanity+norman)

Free version of The Answer:

[https://www.researchgate.net/publication/321533169\\_answer\\_Final\\_hard\\_copy](https://www.researchgate.net/publication/321533169_answer_Final_hard_copy)

My friend and coauthor Jeremy Dunning-Davies, retired senior lecturer in mathematics and physics at Hull university England, has written a simple introduction to the pioneering work of Santilli. You may see in simple language the essence of these new methods of energy production. These clean burning fuels made from waste chemicals and sewage, are available now!



# ***Some New Ideas in Physical Science.***

## ***Introduction***

In a previous book, *Beyond the Veil*, we discussed the work and eventual demise of Royal Rife and his ground-breaking work on cancer – work which has seemingly disappeared into the abyss containing most effort that challenges perceived conventional wisdom. Royal Rife had been deeply interested in microscopy and it was this that led him to his studies on cancer. Other scientists have not remained exclusively in one field of study but have spread their net much wider and attempted to contribute to a variety of major problems. One such is Ruggero Santilli, but even his energies have been influenced by one huge issue facing mankind and, in his case, that has been the search for new, cleaner fuels to help in the solution of the World's energy requirements.

For just over a century now, science has almost complacently drifted along in a assumed belief that Einstein's relativity theories, together with quantum mechanics, offered the true means of solving all the remaining theoretical problems of science. Put this way, many would throw up their hands in horror. However, that is the situation the world of science has been facing for some time. For years, undergraduates have been told of the complacent attitude existing at the end of the nineteenth century when, the story goes, many eminent

scientists believed all the theoretical tools necessary to solve all the world's scientific problems were known; it was simply a matter of time before all the answers were found. This sort of sentiment was, and is, often used as a prelude to introducing the theories of relativity and quantum mechanics in university undergraduate courses. The story also served to ridicule the scientific establishment in place at the end of that century. It might be thought that a lesson would have been learnt from this story, but no. At the end of the twentieth century, eminent scientists once again vociferously proclaimed the same position as that so falsely claimed at the end of the previous century. It seems that eminent scientists, like so many other people, can be tempted very easily into making rather foolish claims in order to gain a little short-term, high profile publicity, or might it be more properly called notoriety? This is possibly a lesson the non-scientific public should learn. However eminent a scientist may be and in whatever field of science, he is still human and, as such, is prone to human frailties and mistakes like everyone else. It is often claimed the public, through the media, places individuals – be they sportsmen, politicians, philanthropists or scientists – on pedestals, only to destroy them if they err. There may be some truth in this assertion but surely, therefore, it is sensible not to allow oneself to be placed on such a pedestal in the first place? The rewards may be great, but the fall is so much greater!

In the present case, however, what of these claims concerning the theories of relativity and quantum mechanics? As has been claimed on many occasions over the years, there are grave qualms over the theories

of relativity harboured by many people, but what of quantum mechanics? There have been worries expressed almost from the very beginning of the subject. Frequently, these have revolved around the role of the observer and over whether or not quantum mechanics is an objective theory. One man who has considered these points at length is Karl Popper, probably one of the best known philosophers of science. Although he has written on the topics at length, his book *Quantum Theory and the Schism in Physics*<sup>\*</sup> proves an excellent source of his views. He expresses the view that the observer, or, as he prefers to call him, the experimentalist, plays exactly the same role in quantum mechanics as he does in classical physics; that is, he is there to test the theory. This, of course, is totally contrary to the so-called Copenhagen Interpretation, which provides the normally accepted position. This alternative view basically claims that “objective reality has evaporated” and “quantum mechanics does not represent particles, but rather our knowledge, our observations, or our consciousness, of particles”.<sup>†</sup> As Popper points out, there have been a great many very eminent physicists who, over the years, have switched allegiance from the pro-Copenhagen camp. He cites among these Louis de Broglie and his former pupil Jean-Pierre Vigier, Alfred Landé and, in some ways most importantly, David Bohm. Bohm, himself an acknowledged and deeply respected thinker, wrote a book on quantum theory, which was published in 1951<sup>‡</sup>,

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<sup>\*</sup> K. R. Popper, 1982, *Quantum Theory and the Schism in Physics* (Hutchinson, London)

<sup>†</sup> W. Heisenberg, 1958, *Daedalus*, 87, 95

<sup>‡</sup> D. Bohm, 1951, *Quantum Theory*, (Prentice-Hall Inc., New Jersey)

in which he presented the Copenhagen point of view in minute detail. Later, apparently under Einstein's influence, he arrived at a theory "whose logical consistency proved the falsity of the constantly repeated dogma that the quantum theory is 'complete' in the sense that it must prove incompatible with any more detailed theory"<sup>\*</sup>. It was this very question of whether or not quantum mechanics is 'complete' which formed the basis of the intellectual struggle between Einstein and Bohr. Einstein said 'No'; Bohr claimed 'Yes'. The whole problem is discussed in great detail by Popper and, for those interested, there can be no better reference than the book by Popper mentioned already.

However, where does Popper fit into anything to do with Hadronic Mechanics? Quite simply, the answer lies in the fact that it was in his 1982 book<sup>†</sup> that he drew attention to the thoughts and ideas of Ruggero Santilli. In the 'Introductory Comments' to his book, Popper reflects on, amongst other things, Chadwick's neutron. He notes that it could be viewed and indeed was interpreted originally as being composed of a proton and an electron. However, again as he notes, orthodox quantum mechanics offered no viable explanation for such a composition. Hence, in time, it became accepted as a new particle. Popper then notes that, around his (Popper's) time of writing, Santilli had produced an article in which the "first structure model of the neutron" was being revived by "resolving the technical difficulties which had led, historically, to the

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<sup>\*</sup> D. Bohm, 1966, *Reviews of Modern Physics*, 38, 453

<sup>†</sup> K. R. Popper, 1982, *Quantum Theory and the Schism in Physics* (Hutchinson, London)

<sup>‡</sup> *Ibid*

abandonment of the model”\*. It is noted that Santilli felt the difficulties were all associated with the assumption that quantum mechanics applied within the neutron and disappeared when a generalised mechanics is used. Later, at the end of section IV of his ‘Introductory Comments’, Popper makes the following assertion:

“I should like to say that he (Santilli) – one who belongs to a new generation - seems to me to move on a different path. Far be it from me to belittle the giants who founded quantum mechanics under the leadership of Planck, Einstein, Bohr, Born, Heisenberg, de Broglie, Schrödinger, and Dirac. Santilli too makes it very clear how greatly he appreciates the work of these men. But in his approach he distinguishes the region of the arena of incontrovertible applicability of quantum mechanics (he calls it atomic mechanics) from *nuclear mechanics* and *hadronics*, and his most fascinating arguments in support of the view that quantum mechanics should not, without new tests, be regarded as valid in nuclear and hadronic mechanics, seem to me to augur a return to sanity: to that realism and objectivism for which Einstein stood, and which had been abandoned by those two very great physicists, Heisenberg and Bohr”.

Obviously, these comments of Popper will not be too well-received by some but, at the very least, they provide much food for thought and, considering his own well-deserved reputation, should convince people to assess Santilli’s contributions with open minds.

As stated above, in more recent times, one man who has worried about the extent of the claims for these theories, both relativity and quantum mechanics, is

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\* R. M. Santilli, 1981, Foundations of Physics, 11, 383



Ruggero Santilli. He has devoted his life to studying them and attempting to extend the theories to cover situations to which they were not, in their usually accepted forms, truly applicable. The fact that they are, at the very least, not applicable in certain cases is something which is hidden from the public and from most students and Santilli's investigations have placed him squarely in opposition to the 'godfathers' of 'conventional wisdom'. All this has put him at a grave disadvantage in the scientific world.

However, as already noted, he has dedicated his life to examining the bases of relativity and quantum mechanics, feeling both theories to be incomplete. His investigations have led, in recent years, to possibilities for new clean energies and it is this which is now so important to consider, especially at this time when the world is so troubled by the depletion of energy stocks and worried about possible environmental effects of the energy sources presently being utilised so widely. This whole problem of future energy supplies is probably far more serious than usually imagined. Present demand is increasing but, when countries such as China, the Indian sub-continent and those of Africa come on line fully and require as much energy as the countries of the present west, that demand will escalate enormously. Given the present state of orthodox fundamental knowledge, the only realistic solution to this problem is presented by nuclear power. For a number of reasons, to many, this is not an acceptable option. Alternatives such as solar power, wind power, geothermal energy, wave energy, and others are all put forward but, in truth, these in total would come nowhere near satisfying the probable future demands for energy. No; as has been pointed out on

several occasions<sup>\*</sup>, the only realistic answer at the world's disposal at present is nuclear power. However, nuclear power is felt to pose two major problems and both are concerned with safety. The safety of the actual power stations is, not unreasonably, a tremendous worry for many. This is accentuated by incidents such as the Three Mile Island problem in the U.S.A. and, more recently, the disaster at Chernobyl. However, it is only the latter case that proved a true disaster; the first was fundamentally contained by the safety systems in place. There is little doubt that, provided adequate funds are made available, nuclear power plants can be made extremely safe, although, as with all man-made structures, no-one can guarantee complete safety of anything and, whether those in authority like to admit it or not, genuine accidents will, and do, occur. Therefore, there can be no room for complacency but, if a sensible number of safety measures is incorporated into the plant, nuclear power stations should be safe. The disposal of nuclear waste, however, is another matter, as has been highlighted by all the problems being faced in the U.S.A. over its proposed storage facility in Nevada. This brings the story back to Santilli for another outcome of his work has been the emergence of a possibility for the safe disposal of nuclear waste in-house; by which is meant, the safe disposal of the waste without any need for transportation. Even now the idea is still only at the theoretical stage, partially due to

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<sup>\*</sup> G. H. A. Cole, 1996, in *Entropy and Entropy Generation*, ed. J.S.Shiner; Kluwer Acad, Pub., Netherlands.  
V. Castellano, R. F. Evans and J. Dunning- Davies, *Nuclear Power and the World's Energy Requirements*, arXiv:physics 0406046

opposition from outside but, as Santilli has been requesting for some time now, the biggest requirement is the performance of about three experiments to see if the theory actually works in practice. Such experiments would not be cheap to perform but, considering the enormous sums spent on some elementary particle work, the cost would certainly not be too great and, if successful, the ensuing benefit for mankind would truly be out of all proportion to that cost!

Most will ask at this point why these experiments haven't been performed. This is a difficult, if not impossible, question to answer, but it may be noted that, on the one hand, the theory behind all this does not conform to 'conventional wisdom' and does, in fact, raise questions about the range of validity (at least) of the widely accepted theories of relativity and quantum mechanics, while, on the other hand, the theory has led already to the production of the new clean fuel, 'magnegas'! Hence, although the theory may be abstruse, may contain elements which some feel unacceptable, and may conflict with 'conventional wisdom', nevertheless something concrete has been produced which can be, and has been, used. In other words, the theory definitely appears to have had a readily identifiable success already. On the other hand, enormous profits are being made by people in the business of disposing of nuclear waste using the current somewhat crude and unsatisfactory methods. So the question arises as to whether, in some sense, 'conventional wisdom' and 'big business' have combined to prevent the performance of these experiments which, if successful, could have such a dramatic effect on both.

While the details of magnegas and its production are readily available via the internet (at [www.magnegas.com](http://www.magnegas.com) or [www.i-b-r.org](http://www.i-b-r.org)) and may be read about in Santilli's book the *Foundations of Hadronic Chemistry*<sup>\*</sup>, it is worth noting that it was in 1998 that Santilli first built a so-called hadronic reactor of molecular type – something also known as a PlasmaArcFlow reactor. Such reactors make use of a submerged DC electric arc to achieve the recycling of nonradioactive liquid waste into a clean combustible gas called 'magnegas'. The process involved also produces heat, which may be used via exchangers, and some solid precipitates. These reactors provide an ideal means of disposing of most kinds of liquid waste – sewage, oil waste, other contaminated liquids and so on, - but may be used to process fresh or salt water also if necessary. In the above- mentioned book, Santilli comments that the best liquid for use in these reactors is crude oil, which may be processed into an extremely clean combustible gas at a fraction of the cost of normal refinery processing. However, the use of crude oil would hardly be beneficial in the present circumstances.

As is described in detail by Santilli<sup>†</sup>, the said reactors operate by liquids flowing through a submerged DC arc with at least one consumable carbon electrode. The arc decomposes both the liquid molecules and the carbon electrode into a plasma at approximately 3,500°K. This plasma is composed predominantly of hydrogen, oxygen and carbon atoms. The plasma is moved away from the arc as soon as it is formed and the

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<sup>\*</sup> R. M. Santilli, 2001, *Foundations of Hadronic Chemistry* (Kluwer Academic Publishers, Dordrecht)

<sup>†</sup> Ibid

reactor controls the recombination into 'magnegas', which bubbles to the surface where it is collected. Due to the known affinity of carbon and oxygen, oxygen may be removed from the plasma which results in combustible carbon monoxide. The removal, in turn, of this carbon monoxide, as soon as it is formed, then prevents its oxidation into carbon dioxide and so reduces the carbon dioxide content of the gas dramatically. The hydrogen essentially recombines into hydrogen molecules, although there are other products also.

The use of an underwater arc is, of course, nothing new but, in other apparatus, the resulting carbon dioxide content of the emerging product is unacceptable environmentally. This is one of the bigger points in favour of this new technology. Again, the large glow normally created in underwater arcs is due to the recombination, following separation, of hydrogen and oxygen into water. This, of course, helps account for the low efficiency of the said underwater arcs. The new reactors, however, display a dramatic increase in efficiency due, at least in part, to the removal of hydrogen and oxygen from the arc immediately following their creation, thus preventing recombination into water. This hugely increased efficiency is a major plus for these new reactors and results in the production of a combustible gas at a price which is genuinely competitive with the cost of fossil fuels. When this overall cost is considered, it must be remembered that it will be arrived at after any income derived from the recycling of liquid waste and the utilisation of the heat produced has been taken into account.

‘Magnegas’ is largely unknown in many parts of the world and so, having introduced it as above, it is worth realising that it has been subject to extensive testing. The results are impressive! A Ferrari 308 GTSi and two Honda Civics have been converted to use ‘magnegas’. One of these vehicles has been the subject of the above-mentioned testing. It has been found that ‘magnegas’ exhaust surpasses all the usual safety requirements without the use of a catalytic converter; emits no harmful carbon monoxide, carcinogenic or other toxic substances in the exhaust; reduces carbon dioxide emission due to petrol combustion by roughly 40%; and actually emits some breathable oxygen. This final fact is highly unusual since most fuels act to deplete the oxygen in the atmosphere; this one enhances it! However, not only is this final fact unusual, it is possibly highly important since, if the world continues with its present activities, what effect will oxygen depletion of the atmosphere have eventually? With all the talk of the dangerous environmental effects of present energy policies, oxygen depletion of the atmosphere is one rarely, if ever, mentioned. A further point of possible interest to motorists with a passion for performance cars, is that use of ‘magnegas’ as fuel doesn’t seem to affect performance adversely, - at least not by much. In fact, a ‘magnegas’ fuelled Ferrari was privately raced successfully against conventionally fuelled Ferraris.

To conclude this introduction, it seems intriguing to ponder on the possible reaction of academics to this work and its resultant partial justification at least via use of one end-product in the above mentioned test. The basis for all the work is an unshakable belief that

quantum mechanics as normally practised is not complete and, therefore, it is necessary to introduce hadronic mechanics as a covering theory, or extension, to account for phenomena not describable by that accepted theory. That being the case, it would surprise many if the overall academic judgement was not one of condemnation since it often appears that accepted conventional wisdom must be protected at all costs.

### ***Hadronic Mechanics.***

The book of Santilli's discussed earlier was published in 2001 and was produced to provide a possible explanation for a number of problems which had persisted for many years in the general area of quantum chemistry. After a century of research, despite a great many successes, a number of basic issues remained unresolved by orthodox quantum chemistry. Among these were:

- (i) the lack of an exact representation of molecular data when derived from first principles, with deviations of the theory from experimental data on binding energies of the order of 2%;
- (ii) the inability to permit accurate thermochemical calculations, since 2% is missing in the representation of the binding energies, corresponding to about fifty times the typical energy releases of thermochemical reactions, such as that in the formation of the water molecule;

- (iii) the absence of an attractive valence force sufficiently strong to explain the strength of molecular bonds existing in nature;
- (iv) the inability to restrict valence bonds to electron pairs only, thus essentially implying the prediction of molecules with arbitrary numbers of constituents;
- (v) the incorrect prediction that all molecules are paramagnetic.

Obviously, the origins of Santilli's work go back much further and the applications are already much wider than is implied by the words 'hadronic chemistry'. The list of books, apart from other publications, is impressive and contains mention of virtually all his contributions to various areas of science. However, whether he is considering a problem in astrophysics or biology, as he himself says, he approaches it as a mathematical physicist. Also, he took as his starting point a seemingly unshakeable belief in the idea that science, in general, doesn't admit complete and final theories, and could not progress without the introduction of some new mathematics. One immediate example illustrating this is provided by Newtonian mechanics, which had been so successful for so long, finding itself being regarded as a special limiting case of relativistic mechanics towards the beginning of the last century. Also, Einstein's general theory of relativity brought to the fore in the world of physics new mathematical methods. This new mathematics involved tensors and was reliant on earlier work by such as Riemann, Ricci and Bianchi. Hence, the huge change in physics at the beginning of the twentieth century was



accompanied by new mathematics being introduced and used in physics and a well-established theory clearly being seen to be approximate and not final. Accordingly, Santilli turned his attention to producing new mathematics in order to deal with these new problems. To do this, he turned to the work of Marius Sophus Lie for some of his inspiration. After much intellectual effort, Santilli proposed so-called hadronic mechanics which is basically an image of quantum mechanics formulated via several completely new forms of mathematics, termed by him iso-, geno-, and hyper-mathematics, with so-called isoduals for antimatter. The corresponding iso-, geno-, and hyper-mechanics are then found to represent single-valued reversible, single-valued irreversible, and multi-valued irreversible systems respectively. Fundamentally, hadronic mechanics preserves all the usual laws and principles of orthodox quantum mechanics but represents what might be termed a completion of that subject, as seemingly required by the well-known argument of Einstein, Podolsky and Rosen (*The Physical Review*, **47**, 1935, 777). It is strongly suspected by many that Santilli's hadronic mechanics genuinely achieves this objective. However, the whole truth will be known only after the wider scientific community has examined the veritable mountain of material with an open mind. Iso-mechanics is fundamentally a non-unitary theory but is reversible; geno-mechanics preserves this property of non-unitarity but introduces ideas of irreversibility; hyper-mathematics goes even further and, while preserving non-unitarity and irreversibility, introduces multi-valuedness which increases the number of degrees of freedom open to the investigator and thus permits the

study of far more complicated structures than was allowed previously.

It is not intended to discuss the precise details of any of these new forms of mathematics or, indeed, mechanics here but, suffice it to say, that a major difference between the forms of mathematics proposed by Santilli and the form with which everyone is so familiar, is that Santilli proposed using something other than the usual 'one' as the unit for his mathematics. For example, in the simplest form used for investigating anti-matter, the unit is  $-1$ , instead of  $1$ . A very simple introduction to the use of this particular case is furnished by the examination of the associated thermodynamics as discussed in *Thermodynamics of Antimatter via Santilli's Isodualities* (Found. Phys. Lett, 1999, **12**, 593-599). In other forms, the structure proves more complicated. This immediately indicates that the new theories should be capable of discussing more complex systems of nature than was possible for classical and quantum mechanics since those theories only had real and complex numbers at their disposal. This limit placed by orthodox mathematics on mechanics, both classical and quantum, might be felt to be responsible, at least in part, for such theories having to make such suppositions as all particles being point-like.

At this point, it might be remembered that mathematics has long been termed the language of physics, but, with the principles of physics extending into so many regions of science these days, it might be termed the language of science more appropriately. That being the case, it is not too surprising if major changes, or even extensions, have to be introduced into our

mathematical preconceptions when it comes to dealing with totally new situations.

To say that some of these situations are totally new might be thought something of an understatement, given some of the areas to which the new mathematics has been applied successfully. However, before considering that, it might prove beneficial to consider some reservations of current knowledge expressed by leading scientists of earlier years. Santilli himself admits to a lasting impression being left on him by several of these. In his book *Nuclear Physics* (University of Chicago Press, 1950), Fermi states on page 111 that “there are doubts as to whether the usual concepts of geometry hold for such small regions of space (those of nuclear forces)”. This is, by itself, an extremely powerful statement by one of the leading scientific figures of his age but is it well-known, do people pay it due attention? The answer to both those questions is probably ‘No’. It is of further interest that the dedication of Santilli’s book *Elements of Hadronic Mechanics*, Vol. 1, (Naukova Dumka Pub., Kiev, 1995), is to the memory of Enrico Fermi “*because of his inspiring doubts on the exact validity of quantum mechanics for the nuclear structure.*” Santilli also alludes to a statement included in Blatt and Weisskopf’s book *Theoretical Nuclear Physics* (John Wiley, 1963) in which they speculate on page 31 on the possibility “that the intrinsic magnetism of a nucleon is different when it is in close proximity to another nucleon”. In fact, this statement acted as a major spur to Santilli who claims to have produced a complete theory of total nuclear magnetic moments via his so-called hadronic generalisation of quantum mechanics. Whether or not he has achieved this is for

the scientific community as a whole to decide but, until his work is read with open minds and properly digested, no final verdict can be sensibly announced. This indicates, once again, the urgent need for a totally open-minded examination of Santilli's work. A third, possibly rather obvious, source of inspiration was provided by the very well-known article by Einstein, Podolsky and Rosen which appeared in the journal *The Physical Review* (volume 47, page 777) in 1935. This article voiced concerns about quantum mechanics and it is worth realising that, until the day he died, Einstein continued to harbour real doubts concerning the lack of deterministic character of quantum mechanics. This again raises the question of how the scientific community, in general, regards Einstein. To many in the general public it is probably felt that he is still revered as the greatest scientist of the twentieth century. If that is the case though, it seems surprising that so many of his views and beliefs seem to be misrepresented or even, on some occasions, seemingly conveniently forgotten. By referring back to his writings of the early years of the last century, it soon becomes apparent that here was a man who wrote very precisely and with great clarity. A good example of this is provided by his writings on Brownian Motion, now collected into a small book, *Investigations on the Theory of the Brownian Movement* (Dover, 1956). The writing in this small volume could well serve as an object lesson to all writers of science. Nevertheless, as commented on earlier when discussing black holes (for example), there are several occasions where his views are kept well-hidden and have been kept so for many years. It is not without significance to note that it is some of the truly 'big' names of twentieth

century science who were voicing these qualms about the total validity of quantum mechanics over many years of the last century. These were also people who, it is well-known, were highly articulate. There was, and is, no reason to doubt what they were saying or about the grave doubts they were harbouring. In many ways the scenario is a repeat of that facing relativity in the earlier years, at least, of the last century. It is a sobering thought that, by this time, some may be wondering how science has managed to progress as far as it has, and with so much success. The added thought, however, has to be how much farther mankind might have progressed if unhampered by 'conventional wisdom' and all its attendant trimmings.

Another spur to Santilli's investigations was provided by the realisation that most of contemporary physics is concerned with the examination of systems subject to conservative fields of force; that is, subject to forces which are derivable from potentials. A good everyday example is provided by the gravitational field which so markedly affects our everyday lives. This is the example with which so many are familiar from school and which forms the basis for the introduction to the ideas of kinetic and, more importantly in the present context, potential energies. If the motion of an object held at arm's length before being released to fall to the floor is considered, it is seen to gather speed until it strikes the floor. At the instant before it actually strikes the floor, it is at zero distance above the floor but is moving at its highest speed during the entire motion. At that point, all its energy is said to be kinetic; that is, all its energy is due to its motion. However, at the initial moment of release, the object is not moving and so, has no kinetic

energy. All its energy is due to its height, its position, above the floor. This energy is said to be potential energy; it is the energy which the object possesses because of its position and which gives it the potential for movement. This potential energy is purely due to the presence of the gravitational field, whose action pulls the object towards the centre of the earth or, in this case, towards the floor. This gravitational field is one of those force fields said to be conservative because potentials are associated with them. The vast majority of the basic mechanics taught in schools and universities is done so under this restriction. Only rarely are situations for which there is no potential energy discussed. In a way this is not unreasonable since so much that affects us directly is governed by conservative fields of force. Newton's mechanics incorporating conservative fields of force are found to describe accurately both very small systems and very large systems. These days, problems of astronomy are considered at a variety of levels by everyone in his own home via well-established television programmes such as *The Sky at Night* and, since planetary motion is thought to be governed by a conservative field of force, this serves to reinforce the notion of such fields being all important, so that the possibility of non-conservative fields is often forgotten or even ignored. However, when the original writings of such as Lagrange and Hamilton on the analytical approach to mechanics are examined, no such restriction is apparent. This is certainly not clear in the vast majority of undergraduate courses on Analytical Mechanics, as the whole area is commonly called. Restriction to conservative fields of force occurs at a very early stage. Of course, in fairness, to the

undergraduate this does not seem at all unreasonable; whether it be the mathematician or the physicist, the majority of actual situations met will be concerned with conservative fields of force. To a large extent, the same excuse for absence of consideration of more general situations from undergraduate lectures is valid but, in reality, attention to this restriction should be drawn. In Pure Mathematics lectures no-one would contemplate drawing back from making *all* restrictions placed by a theorem crystal clear. This must be the correct approach, even though, in most cases, those restrictions will not affect the practising physicist. However, as has been pointed out on numerous occasions, when dealing with problems of the physical world, the alert physicist should find himself warned by the physics of the situation to be careful that mathematical restrictions on the use or applicability of a result may be coming into play. A perfect example to illustrate precisely what is meant by this is provided by the phenomenon of phase transitions. In the case of water, for example, it is obvious that something very unusual is happening when ice changes into liquid water and when that liquid water turns into steam. In both cases, it is observed that, at particular temperatures, as heat is added to the system, the structure of the substance changes but the temperature remains fixed. This is contrary to what is normally believed to happen when heat is added to a system. Hence, at these two temperatures of  $0^{\circ}\text{C}$  and  $100^{\circ}\text{C}$  for water, something very unusual is happening physically. This should alert the physicist to be wary of what is happening physically but, in some ways more importantly, to be wary of whether or not mathematical expressions remain valid. This is another good example

of the use of mathematics as the language of physics; here the applicability of mathematics is ruled by the physics of the situation – not the other way around!

To return specifically to Santilli's contributions, it is remarkable to note to how many different outstanding problems he has turned his attention with this new approach and, apparently, with so much success. As mentioned, one of his earliest worries concerned the range of applicability of quantum mechanics. Having noted the comments and concerns of some truly notable scientists of the early part of the last century, he devised so-called Hadronic Mechanics and succeeded in explaining a wide variety of otherwise unexplainable phenomena. These are catalogued in detail in his book *Foundations of Hadronic Chemistry* but it is worth noting, and speculating on, some of them here; one in particular being particularly relevant to something which has preceded it, but more of that example later. As noted on page 35 of his book, explaining the experimental data on the Bose-Einstein correlation in proton - anti-proton annihilation at both high and low energy provided experimental verification of hadronic mechanics in particle physics. Such experimental data may be represented by traditional quantum mechanics only after the introduction of arbitrary parameters which seem to have no physical origin. However, hadronic mechanics is easily able to explain things because it proves capable of dealing with the off-diagonal terms appearing in expectation values. This latter property is not allowed in orthodox quantum mechanics because, for a quantity to be observable, its expectation value must be diagonal in form. This, of course, introduces mathematical terms into the discussion which, ideally,



should be avoided but, suffice it to say, that the phenomenon may not be explained by orthodox quantum mechanics because it is too restricted as a theory. Another experimental verification, in the sense of the previous example, has been provided by the ability of the new theory to explain data concerning the anomalous behaviour of the mean-life of the kaon with energy. This has been examined successfully over various energy ranges and is important because, as with the example of the Bose-Einstein correlation, it establishes the existence of effects in the interior of kaons which are nonlinear, non-local and, most importantly, non-potential (that is, non-conservative).

As Santilli has stated categorically on several occasions but, possibly most clearly at the beginning of section 3 of his article in the *Journal of New Energy* (1999, 4, page 106), he has always thought of physical particles as being particles which may be defined rigorously in our spacetime. He points out that hadronic mechanics was conceived and developed in order to identify the constituents of all unstable hadrons with genuine physical particles. Has he succeeded? Time will tell, but the positive evidence is there for all to see and is mounting. As has been seen already, any discussion of this topic inevitably seems to introduce mathematical ideas and notation at some point. Again as stated already, this is unfortunate but doesn't detract from an appreciation of the picture emerging and might serve as a spur for professionals to investigate the detail further in order to reach a truly informed opinion of the work.

From the point of view of physics, it seems that Santilli obtained inspiration from early ideas of Rutherford. It was in 1920 (*Proc. Roy. Soc. A*, 1920, 97,

374) that Rutherford postulated the existence of a new particle, which was, in essence a 'compressed hydrogen atom'; that is, it was composed of an electron compressed entirely within the proton. This he called a neutron. Presumably Rutherford thought that, when a hydrogen atom is compressed, for example, in the core of a star, the high pressures involved could result in it being reduced in size to that of a proton, with an electrically neutral particle emerging finally. Twelve years later, Chadwick (*Proc. Roy. Soc. A*, 1932, **136**, 692) established the existence of the neutron experimentally. However, Rutherford's original conception of this particle was dismissed by many of the founders of quantum mechanics for a variety of seemingly good reasons at the time: - the model would require a positive binding energy; both constituents possess spin  $\frac{1}{2}$  and so, the resulting particle would not be permitted to have spin  $\frac{1}{2}$  by normal quantum mechanics; orthodox quantum mechanics would also not allow the correct magnetic moment to follow in this model. Hence, the rejection of Rutherford's model of a neutron and this heralded a change in the direction of physics' research. Up to that time, physics had been based on the notion that the constituents of so-called bound states have to be capable of being isolated and identified in laboratories. The rejection of Rutherford's conception appears to have altered this view. This then was a spur for Santilli and, having devised the new mathematics referred to earlier, he first succeeded in producing a consistent model of the meson,  $\pi^0$ , as a bound state of an electron and a positron. This model is not possible in conventional quantum mechanics for a number of reasons, one of which concerns binding

energy. Quantum bound states possess negative binding energies and this implies a total mass less than the sum of the constituent masses. For a  $\pi^0$  meson, this would imply a rest energy appreciably less than its actual rest energy of 135Mev. This problem, as are all others, is resolved by hadronic mechanics or, at least, that is the claim with all the evidence clearly available for examination by those with a mind to do so. The model Santilli proposes does, in fact, explain all the characteristics of the said particle – zero spin, electrically neutral, null magnetic moment, a rest energy of 135Mev, a mean-life of approximately  $10^{-16}$ sec., a charge radius of about 1fm (that is,  $10^{-15}$ m), decay according to

$$\pi^0 \rightarrow e^+ + e^-$$

and this model of the smallest of hadrons has now been extended successfully to all mesons. Further, although the theory does not view quarks as actual physical particles, but rather as mathematical objects with a composite structure, this new model for hadrons does prove compatible with the current quark theories, always assuming that quarks have a composite structure. For those interested, further details of this model may be found in a variety of publications but especially in volume 4 of the *Journal of New Energy*, as mentioned earlier. In fact this reference is a veritable goldmine of information on this general topic of hadronic mechanics and its consequences both for physics itself and even, one might venture to suggest, for mankind as a whole through its consideration of the possibilities offered by the theory for alternative new clean energies.

However, what could conceivably turn out to be Santilli's most important achievement was his success in using the new hadronic mechanics to resurrect the Rutherford model for the structure of the neutron successfully. This model recognises a neutron as being composed of a bound state of a proton and an electron at a distance of 1fm; that is, at a distance of  $10^{-15}$  m. As mentioned earlier, such a model is prohibited by conventional quantum mechanics, so, if Santilli's ideas are valid, what are the consequences for physics? The answer is, quite simply, enormous! The abandonment of the original approach to the structure of physical particles will have had a profound and far-reaching effect on research in the area of particle physics obviously. However, it is the possible ecological implications which are staggering and of so much direct relevance to absolutely everyone. The orthodox approach has conceivably prevented the study of the neutron as a major source of clean energy and actually seems to have obstructed the study of new forms of clean nuclear energy. These are now being studied via hadronic mechanics, as is the associated problem of the safe disposal of the nuclear waste presently causing so much trouble.

The main characteristics of the neutron, such as its having a rest energy of 939.6MeV, a mean-life of 916 secs., spin  $\frac{1}{2}$ , and a charge radius of  $0.8 \times 10^{-13}$  cm., were all explained in a model of the neutron devised by Santilli using hadronic mechanics in 1990 (*Hadronic J.* **13**, 513). This was a non-relativistic treatment, but a relativistic treatment soon followed and appeared in 1993 (*JJINR Comm.* E4-93-352). The crucial point about this is that the model was precisely that proposed

by Rutherford so many years earlier. Using hadronic mechanics, Santilli was able to derive all the properties of the neutron when it was viewed as being composed of an electron totally compressed inside a proton. This model, remember, had been abandoned because this structure was inexplicable using orthodox quantum mechanics. However, the fact that the Rutherford model may be explained using this new technique cannot, in itself, be regarded as justification for the new hadronic approach. The real justification is provided by the fact that there appears to be experimental verification of the structure in that experimental verification of the synthesis of neutrons from protons and electrons seems to have been achieved in the 1980's by a group in Brazil under C. Borghi, although the results were published only in 1993 (*J.Nucl.Phys. (Russian)* **56**,147). Although this is exciting, it is by no means conclusive evidence and that is precisely why caution is exercised when reporting and discussing this development. However, the possible ramifications are so important that it is vital for this experiment to be repeated several times independently so that a genuine conclusion may be reached which may be accepted by all in the scientific community.

The ramifications alluded to concern the possibility of utilising these new theoretical ideas to produce new clean energies for mankind. Basically, many of these new energies are characterised by processes in the interior of hadrons, rather than in nuclei or atoms. It might be noted that energy is required if unstable hadrons are to be synthesised from physical particles; in the case of the neutron, 0.80MeV is required to synthesise it from protons and electrons. However, as

Santilli points out (*Journal of New Energy*, 1999, 4), “once created, unstable hadrons become a large reservoir of energy, which is released in their decay”. Some of these proposed new energies, therefore, are produced by using mechanisms capable of stimulating the decay of unstable hadrons, or by simply using the energy produced in their natural decay. In this article, he goes on to describe the way in which energy could conceivably be produced via stimulated neutron decay. He also draws attention to the quantity of energy involved, pointing out that the electron emitted in neutron decay would possess energy roughly 100,000 times more than that of electrons hitting a computer screen. Again, it is noted that this mechanism is possible only if the neutron is composed of the physical particles, the proton and the electron. The main ideas behind the proposal are that the neutron does actually decay spontaneously. Also, its mean-life is not fixed but depends on local conditions; for example, if it’s a constituent of some unstable nuclei, the mean-life is a few seconds; in a vacuum, it’s more of the order of fifteen minutes; in other unstable nuclei, it’s even longer; and in natural, light, stable nuclei, it’s infinite. However, the neutron itself is naturally unstable and so it is felt it should be possible to stimulate its decay and hence control its mean-life. The actual proposal suggests testing this possibility through the use of photons with the resonating frequency of 1.204Mev, plus the additional threshold energy required to satisfy conservation requirements of

$$\gamma + n \rightarrow p^+ + e^- + \nu.$$

Here the figure of 1.204Mev for the resonating frequency is another consequence of the hadronic model

of the neutron adopted. It has been found, by studying nuclei, that most nuclei do not permit reactions such as that represented by the above equation due to violation of conservation laws. However, some do and it is these which offer the possibility of a new form of usable energy, termed by Santilli *hadronic energy*. In his book, Santilli chooses, as a representative example, Molybdenum ( $_{42}\text{Mo}^{100}$ ) but also draws attention to the fact that other natural, light elements, such zinc ( $_{30}\text{Zn}^{70}$ ), possess the required prerequisites. Most of this is still in need of experimental verification. It seems that, if successful, these tests would offer a prize too valuable to be ignored. It is to be hoped, therefore, that the necessary experiments will be performed in the near future, so that existing doubts may be cleared up, one way or the other.

A further important reason for having the predictions of hadronic mechanics fully and openly tested is provided by the rapid accumulation of highly radioactive nuclear waste around the world. This is proving a major problem for many countries. The U.S.A. has been seen to have a major problem of disposal and also to have an additional problem posed by those opposed to the current method for attempting to achieve that disposal. Britain, on the other hand, while facing problems concerning disposal of its own nuclear waste, faces additional protests from those opposed to its business of helping in the disposal of nuclear waste from other countries. In both instances, and in others, people are extremely worried by the perceived threat posed by the actual disposal method as well as that posed by the transportation of that waste across country. All of these worries have been

exacerbated by the rapidly growing terrorism threat facing so much of the world. There can be no doubt that a great many people, some with scientific knowledge, some without such knowledge, harbour genuine worries. There can be no doubt though that those worries, and indeed fears, are not unjustified. The above discussion surrounding the composition of the neutron obviously offers the possibility of a resolution of the difficulties and concerns. These essentially reborn ideas concerning the structure of the neutron, if valid, offer the possibility of recycling nuclear waste by way of stimulating its decay in such a way as to reduce the extremely long lifetimes to hours or, at worst, days. It is envisaged that this could be achieved by the use of relatively light equipment and that the nuclear power plants could achieve this within their own boundaries, thus eliminating the need for transportation of these highly dangerous materials. If the idea works, although jobs in the industry presently formed around the disposal of nuclear waste would vanish, many new jobs in a much safer nuclear waste disposal industry would appear. The new industry might be expected to grow for the development, production and sale of the new equipment, since it would be a vital requirement for nuclear power plants across the world.

The basic idea revolves around the fact that the nuclei concerned are large and naturally unstable. One idea is to expose the highly radioactive nuclear waste to an intense, coherent flow of photons with the required resonating frequency. It is felt that this may be achieved via a synchrotron of about three metres diameter; - a size which could be accommodated in nuclear power plants. A typical example is provided by uranium



( ${}_{92}\text{U}^{238}$ ) which has a life-time of the order of  $10^9$  years. A double stimulated transmutation of this element could change it into Plutonium ( ${}_{94}\text{Pu}^{238}$ ). Again, this is an unstable quantity and has harmful emissions as well, but its life-time is a mere 86 days and it could well be retained under suitable shields for that period of time.! The advantage of this stimulated transmutation is immediately evident. Will it work? The theory certainly suggests that it should, but only experimentation will give the actual answer to that question. Possibly the bigger, more relevant, question to ask at this time is whether or not the scientific community and national governments are prepared to finance the experiments necessary to test this thesis?

At this moment in time, it is worth realising that the cost of carrying out the proposed experiments would probably be of the order of a few hundred thousand pounds. This sounds a lot of money, and indeed it is but it is still a small amount when compared with the millions, even billions, of pounds being spent on purely academic projects in the field of cosmology for example. If money was spent checking out Santilli's theories, the worst that could happen would be negative results; in which case a few hundred thousand pounds would have been wasted, but yet again, knowledge would have been gained. Negative knowledge may be, but knowledge nevertheless. If successful though, mankind's energy worries would recede into the background, at least for the immediate future, and nuclear power would become a much safer option. Also, with the problem of the disposal of nuclear waste dealt with so that the genuine worries of so many would be assuaged.

However, the scientific establishment tends to regard orthodox quantum mechanics as a sacrosanct part of 'conventional wisdom', so it must be thought doubtful that it will sanction work which directly challenges that 'foundation stone of modern science'. The positions of national governments are far more difficult to assess. They will consult scientific advisers who will be members of the scientific establishment, so the line of their advice is probably predictable. They will be under pressure from a wide variety of areas of 'big business' but, no doubt, the most vociferous will be those wreaking profits from the present highly questionable methods of nuclear waste disposal. They will also, though, be under pressure from members of their electorates. If news of this possibility of there being a truly safe, in-house method of disposing of nuclear waste did become fully public, then it is probably this final factor that would weigh most strongly with national governments since, at the end of the day when all the political manoeuvring and gesturing has been discarded, it is the thought of votes at the next election which would end up being of paramount importance. Can the possibility of the existence of such a prize really be ignored any longer?

The success in describing the above mentioned model for the neutron using this new hadronic mechanics opened the way to view afresh models for other systems, in particular the deuteron. Here an unresolved problem had lain around for years; that was the inability of conventional quantum mechanics to explain the value of one for the spin of the deuteron. The deuteron was felt to be composed of two particles, each having spin a half and the basic axioms of quantum

mechanics would imply, therefore, a spin value of zero for the ground state of such a system. The new hadronic mechanics clears up this problem also. Following on from the reduction of the neutron to an hadronic bound state of a proton and an electron, the deuteron is viewed as a three-body situation comprising two protons and one electron – or, more accurately in Santilli's language, two iso-protons and one iso-electron. This model is able to represent accurately all the characteristics of the deuteron, including its spin. This success led Santilli to extend the notion to all nuclei. The result was to produce a new hadronic structure model of nuclei in terms of combinations of iso-protons and iso-electrons, which reduces to the usual model involving protons and electrons as a first approximation. This all seems at first sight to be merely another huge amount of almost unintelligible theory which will have little or no effect as far as the ordinary person is concerned. Amazingly, that is not the case. If this theory does turn out to be correct, the implications for society are immense because it could result in a number of new forms of clean energy for mankind's use; forms which are not possible with the old proton – neutron model. It does appear, therefore, that this is an area worthy of further open-minded investigation simply because the possible prize at the end is so attractive and, indeed, necessary considering the massive environmental problems and energy demands facing our world at the moment.

## ***Further Applications.***

So far, the applications discussed have been associated with elementary particles. It has been seen that, from this area alone, many benefits for mankind as a whole could accrue, if the predictions of the theory prove both accurate and achievable in practice. However, although a major factor in inspiring the researches which have led to these was the concern about energy resources, other fields may benefit from the development of these new mathematical techniques also. An unresolved problem facing astrophysics is the assertion by Halton Arp that some quasars are physically linked with galaxies which appear to possess completely different redshifts. This assertion is based on, and supported by, a substantial body of observational evidence. Arp himself has offered an explanation, which revolves around the actual meaning, or interpretation, of the observed redshifts for objects. He suggests that the redshift possesses two components and only one of these is the so-called Doppler shift; the other being an intrinsic component. The present official position is to discount the interpretation of Arp's observations that the quasars and galaxies are linked physically and to continue to interpret the different redshift values as meaning that the quasars and associated galaxies are at totally different distances from the earth and are moving at totally different speeds relative to us. This, of course, is to interpret it simply as a Doppler type shift, is in line with 'conventional wisdom' and agrees with the accepted Einsteinian treatment of cosmological redshift. In 1991, using his

new mathematics, Santilli suggested another explanation, (see *Isotopic Generalization of Galilei and Einstein's Relativities*, vols. I & II, Hadronic Press, 1991). His suggestion amounted to the difference being accounted for by a slowing down of the speed of light within the chromospheres of the quasars. It should be realised that these chromospheres are thought to be extremely large and the suggested effect is very similar to the slowing down of the speed of light within our own atmosphere. The result of this suggested slowing down would be for the light to leave the quasars – or more correctly, the quasar chromospheres – already redshifted. As far as the individual stars of the galaxy are concerned, they are effectively isolated in space and are thought to have dramatically smaller chromospheres. Hence, for the stars of the galaxy, the effect alluded to here will not exist. The end result is that, for physically connected quasars and galaxies having exactly the same expansion speed, the light from each will reach us here on earth with dramatically different redshift values. The reason advanced for the new theory being more suitable for explaining this effect is that traditional theory assumes everything both isotropic and homogeneous. It is thought, however, that chromospheres are both anisotropic and inhomogeneous. Hence, the need for utilising Santilli's iso-mathematics and related results to explain these observational results originally highlighted by Arp. A further consequence is, of course, that redshift is not necessarily a measure of the expansion of the universe. This thought is not one to be accepted too readily by current adherents to 'conventional wisdom'. However, in the *Journal of New Energy*, volume 4, evidence

supporting this claim is presented clearly on page 103, where it is noted also that another verification offered within astrophysics for this new theory is provided by the quantitative – numerical representation of the internal red and blue shift of quasars. Basically, it seems that the cosmological redshift for each individual quasar is not constant but actually depends on the frequency of the light with an internal redshift for the infrared part of the spectrum and an internal blue shift for the ultraviolet part. These mean an increase and a decrease respectively of the cosmological redshift for these parts of the spectrum and are, of course, totally incompatible with special relativity since they imply different speeds of light for different frequencies in the interiors of quasar chromospheres. This behaviour is, however, predicted exactly by Santilli's modified theory. The studies associated with this topic also indicate that one contribution towards the red-sky viewed on occasions at both sunrise and sunset is isotropic in origin. The idea is that the anisotropic, inhomogeneous structure of the earth's atmosphere provides an additional contribution to the redshift at sunset since, then, the earth's rotation simulates motion away from the source. It is thought, therefore, that the larger redshift observed at sunset, as opposed to sunrise, is due to the rotation of the earth.

Again, when biological structures are investigated, it soon becomes clear that one of the biggest differences between those and the more usual physical systems is their non-conservative character. This latter thought is becoming more and more important in the present day as biology becomes more and more dependent on mathematics and theoretical physics in its development in some directions. At present, one of the biggest areas

where this occurs is possibly in the theory behind evolution, where thermodynamics is playing an increasingly important role. Indeed, the Second Law of Thermodynamics really is appearing to look as if it may be one of those laws of nature whose influence pervades most, if not all, areas of science. However, as far as Santilli's work is concerned, the power and range of applicability of his new mathematics is apparent when the problem of the growth of sea-shells is considered\*. As he himself points out, it emerges that Euclidean geometry, with which most are so familiar, is insufficient for a consistent representation of the actual growth of sea-shells; the possible shapes of sea-shells are represented perfectly well by Euclidean geometry with no need for any extension into broader theories, but the generalised methods, introduced by Santilli, become vitally important when a detailed examination of the growth in time of these sea-shells is required. One major problem is that the growth of sea-shells is definitely non-conservative and also irreversible. However, the problem was eventually solved by Illert and Santilli† using the new iso-euclidean geometry as developed by Santilli, although the use of the alternative geno-euclidean geometry might have proved more appropriate in some ways since it might allow for a deeper axiomatisation of irreversibility. Obviously, studies such as those alluded to here are in the early stages of applying this new mathematical structure to biological problems. It remains to be seen how widely

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\* ] R. M. Santilli, 1996, *Isotopic, Genotopic and Hyperstructural Methods in Theoretical Biology*, (Naukova Dumka Pub., Kiev)

† C. Illert and R. M. Santilli, 1995, *Foundations of Theoretical Conchology*, (Hadronic Press, Florida)

this new mathematics will be used but, initially, the results of applying it to a wide range of problems are good and so it is to be hoped that mere 'conventional wisdom' will not hinder its future use in even more fields.





### **The Blade of Light:**

The future of mankind is dependent upon Truth. This is an archive of suppressed science, *truth*, which holds within its province the end of pollution, human want and subjugation. Some of the following is available as functional science and developed technology that is ready for use without delay, and other ideas are rightly aimed at pathways that have been suppressed, which might be fruitfully developed as specified to regain the lost knowledge and free the race of man from want, internal unhappiness, shortage, disease and pollution.

The existent world governmental structures are bent upon the continued suppression of this factual information, as it will free us from dependence upon them. I present the forbidden information here. In this, all peoples of the world may have that which is their right and due: A Future. Read below, and know:

The age of human want and misery—Has Ended.

The following is presented for informational purposes only, and is not to be construed as medical advice.

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My overall analysis and vision for the human race, solutions in the psychological, physical and medical sciences as well as criminal analysis and initial solutions concerning geoengineering:

Free:

[The Answer: Roadmap for a New Humanity](#), Richard Lawrence Norman

Hard Copy (On Amazon):

[https://www.amazon.com/Answer-Roadmap-New-Humanity/dp/0984569391/ref=sr\\_1\\_1?s=books&ie=UTF8&qid=1516156592&sr=1-1&keywords=the+answer+roadmap+for+a+new+humanity+norman](https://www.amazon.com/Answer-Roadmap-New-Humanity/dp/0984569391/ref=sr_1_1?s=books&ie=UTF8&qid=1516156592&sr=1-1&keywords=the+answer+roadmap+for+a+new+humanity+norman)

A condensation concerning geoengineering:

[Geoengineering: an unacknowledged source of ozone damage, metallic pollution and neurodegeneration](#)

A beautiful book of verse and photography all will enjoy: [The Last Fall](#)

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Suppressed science of Benveniste: approach to pharmacology based on informational allocations within aqueous systems (cheap non-toxic drug effects). ETA to functional deployment of an internet based network to provide inexpensive drug information to replace toxic drugs worldwide: (if funded) as little as two to five years. Read below and note: the same effects of a drug are produced by the information associated with its molecular structure, without the presence of the chemical agent from which the information was derived. Implication: Cheap, nontoxic, electromagnetic drug information will replace expensive toxic drugs.

Evidence of effects below:

Quantum Information Medicine: Bit as It—The Future Direction of Medical Science: Antimicrobial and Other Potential Nontoxic Treatments, R. Norman, J. Dunning-Davies, J. Heredia-Rojas, A. Foletti, 2016. July 2016 World Journal of Neuroscience. 6(6):193-207 DOI: 10.4236/wjns.2016.63024

The informational magneccule: the role of aqueous coherence and information in biological dynamics and morphology, R. Norman and J. Dunning-Davies, 2017. As published in the American Journal of Modern Physics Special Issue: Issue III: Foundations of Hadronic Chemistry.

See also, references within articles above.

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The Science of Ruggero Santilli. Magneccular fuels, hadronic fuels and hadronic chemistry.

It is my opinion that Dr. Ruggero Santilli has contributed more to the future of mankind than any other man in our age. You have likely not heard of him, or, perhaps you have heard the lies spread to suppress this science. I present to you, the functional hope of the race of man...clean burning magneccular fuels created from waste chemicals and sewage. Cheap, and clean burning, with the energetic qualities of gasoline, the fuel actually produces oxygen in the exhaust products remaining after combustion. The Earth need never have a filthy oil well poked into her tender side again! **This science is developed, and presently available.** The age of pollution and want, is over!

For information regarding R. M. Santilli's Magneccular fuels and science, see:

Fuels with Magneccular structure, R. M. Santilli:

Santilli's Hadronic science and chemistry, also could allow for new energy sources with no radiations or pollution at the atomic and particle levels of physical structure. Also, stimulated neutron decay could not only create energy, but also might hold the key to the end of nuclear waste itself.

For information concerning Santilli's Hadronic Chemistry and associated approaches to clean energy and other vital topics, see:

Foundations of Hadronic Chemistry, R. M. Santilli.

Free:

<http://www.santilli-foundation.org/docs/Santilli-113.pdf>

Hard Copy:

<https://www.springer.com/us/book/9781402000874>

The above science is based on the CORRECT neutron structure, that of an electron bound within a proton, not that of quarks! This error within physics is demonstrable, and must be corrected to free mankind of his dependence on oil, coal, and the resultant filthy pollution.

For information concerning the correct internal Neutron structure and implications, see Foundations of Hadronic Chemistry (above) and the following, available at:

[https://www.researchgate.net/profile/Rich\\_Norman/publications](https://www.researchgate.net/profile/Rich_Norman/publications)

Hadronic paradigm reassessed: neutroid and neutron synthesis from an arc of current in Hydrogen gas R. Norman and J. Dunning-Davies, 2017, Hadronic Journal 40, 119-148.

Richard Norman, Anil A. Bhalekar, Simone Beghella Bartoli, Brian Buckley, Jeremy Dunning-Davies, Jan Rak, Ruggero M. Santilli. Experimental Confirmation of the Synthesis of Neutrons and Neutroids from a Hydrogen Gas. American Journal of Modern Physics. Special Issue: Issue III: Foundations of Hadronic Chemistry. Vol. 6, No. 4-1, 2017, pp. 85-104. doi: 10.11648/j.ajmp.s.2017060401.18  
[https://www.researchgate.net/publication/320193061\\_Experimental\\_Confirmation\\_of\\_the\\_Synthesis\\_of\\_Neutrons\\_and\\_Neutroids\\_from\\_a\\_Hydrogen\\_Gas](https://www.researchgate.net/publication/320193061_Experimental_Confirmation_of_the_Synthesis_of_Neutrons_and_Neutroids_from_a_Hydrogen_Gas)

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The physical sciences are riddled with errors and suppressions designed to limit our race. The following, should have been completed many decades ago. Deadly suppression. This was held by the CIA in secret for many years, presumably gleaned from the work of Tesla, and once released, was released with errors. Correct them, and the dream of Tesla seems within reach, alongside of important corrections to neutrino theory. To complete the theoretical work, one step remains: a stable dis-equilibrated vortical atomic surface must be modeled. How little work need be done to create the dream of Tesla! Cheap, unlimited, clean power!

For new solution to Maxwell's equations leading to the end of human want, free power, and the repair of neutrino theory: Energy and matter creation: The Poynting Vortex (Hadronic Journal, pre-print) Norman, Dunning-Davies, March 2018 DOI 10.13140/RG.2.2.21002.16329

[https://www.researchgate.net/publication/323839758\\_Energy\\_and\\_matter\\_creation\\_The\\_Poynting\\_Vortex\\_Hadronic\\_Journal](https://www.researchgate.net/publication/323839758_Energy_and_matter_creation_The_Poynting_Vortex_Hadronic_Journal)

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The medical sciences are sustained upon a river of blood money. Diseases which can be cured and long have been, such as cancer, sustain this 'healing industry.' Many within the system are unaware of the toll of dead bodies and suffering which flows as cash beneath the corpse-raft of medicine. Here are my recommendations concerning two vital avenues of approach: 1. Frequency specific destruction of (pleomorphic) cell (pre-cursor types) to be re-developed from the science of Rife and, 2. **functional immediate use of specified cannabis preparations to treat and cure diseases, including cancers (with further scientific study encouraged to further refine current functional techniques).** Implications: 1. Diseases of many types may be cheaply cured without drugs in the near future and, 2. Diseases of many types may be cheaply cured using these exact cannabis preparations, now.

For information concerning Rife and cancer, and how to best approach re-derivation of the suppressed cures, see:

1. An open letter regarding Cancer. R. Norman, J. Dunning-Davies.  
[https://www.researchgate.net/publication/308780755\\_An\\_Open\\_Letter\\_Regarding\\_Cancer](https://www.researchgate.net/publication/308780755_An_Open_Letter_Regarding_Cancer)

2. Information concerning the treatment and cheap cure of many diseases including cancers, using the incredible storehouse of evolutionary pharmacopeia available from Cannabis, see:

Future's Mirror, Norman, Standing Dead publications, O'Brien Or. 2017.

Free version (download this data set, reference version please):

[https://www.researchgate.net/publication/318913120\\_Reference\\_version\\_v2\\_Future's\\_Mirror\\_the\\_endocannabinoid\\_system\\_in\\_human\\_pathology](https://www.researchgate.net/publication/318913120_Reference_version_v2_Future's_Mirror_the_endocannabinoid_system_in_human_pathology)

Hard copy on Amazon:

[https://www.amazon.com/dp/1975945271/ref=sr\\_1\\_5?s=books&ie=UTF8&qid=1507899703&sr=1-5&refinements=p\\_27%3ARichard+Norman](https://www.amazon.com/dp/1975945271/ref=sr_1_5?s=books&ie=UTF8&qid=1507899703&sr=1-5&refinements=p_27%3ARichard+Norman)

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Books with proper analysis and future directions offered for the sciences:

Beyond the Veil, Dunning-Davies, Norman.

Truth in Paradigm, Dunning-Davies, Norman.

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Blade of Light, Condensation: <https://youtu.be/36Q21PIrVJs>

Hello my friends. I have good news for you. The age of human want and misery, has ended. I have located the science which will free humanity from its misery, and constant descent into war. These solutions extend from the genetic unconscious basis within the human mind outward, to include solutions to the practical problems of clean energy and pollution. I invite you watch the video introduction to these ideas, entitled The Gathering: Our Human Future so you may share with me the gentle shades of our new world. Please do read The Answer: Roadmap for a New Humanity, for the detailed solutions. You should know, it is true: The age of human want and misery, is over.

However, there are forces that wish to prevent these many advances, such as inexpensive treatments for diseases including cancer, and the production of clean burning, inexpensive fuel that will end our dependence upon oil. These same organizations and governments are now changing the weather of our planet, and are doing so in a way that is toxic and dangerous, while they allow radiation to bathe the earth's surface. It seems, that no matter which politician is elected in whatever country, that nothing changes, division and anger, discontent and rage grow louder and louder, and the tender Earth itself is clearly under assault. We see: Darkness. Massive and wrong, imposing its will upon all living things.

Look in to my eyes, and know, it need not be so. The pollution and shortage, can and will swiftly end, the contamination spread upon the tender earth must be halted, and her sickly grey sky poured above us as a liquid jewel, once again arching and blue.

The only possible answer to darkness, is light. I have found the suppressed science, the cures to disease and other science from brilliant men whose work has been wrongly hidden and kept down, to the detriment of our race. I have found analysis of the exact poisons and military devices used to harm the earth, and the weapons which have been concealed beneath the misinformation the public is told concerning the climate. Now, the science must be made available, and advanced, and all must know: This is your right! A Future. A future free from contamination, pollution, shortage and deception. Free, from darkness.

All this deception has taken place under the cover of secrecy and suppression. This, will

end, and our future, will begin.

It is light, which will end darkness. Let what was hidden, be known!

I have established: The Blade of Light. The blade of light has two parts, information and support. At this address: you will find the suppressed information. I have collected it all. You may see what is available, and what pathways have been blocked. This information, must and will be made available to all members of humanity. Then, the suppression will end, and our new day will begin. I can not do this alone. You must help me. I require your support. The beast we face is massive. I have informed each member of the Senate with a complete analysis, and now they must be held to account. Many ads must be run, many books printed and made available, and science requires advancement. The Blade of Light is a publicly open fund, with all expenditures openly disclosed, and no profit for me. None. Each penny will serve the dissemination of information to end human want and subjugation. You have my word. No profit. Only light.

Let us expose each secret kept, and begin our worthy future. I can not do it alone. Please help me build, the Blade of Light.

Thank you.

**The Blade of Light** free information  
Future Truth

[thebladeoflight.com](http://thebladeoflight.com)

<https://squa62.wixsite.com/bladeoflight>

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**The Blade of Light: A Publicly Open Fund**  
Create the Future

<https://www.gofundme.com/the-blade-of-light>

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**The Gathering: Our Human Future**

<https://youtu.be/F-ACZ8dJcX8>